IEEE P802.11  
Wireless LANs

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| LB187-4699-4910-4919 | | | | |
| Date: 2012-05-16 | | | | |
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|  |  |  |  |  |

Abstract

Proposed resolutions to LB187 CIDs 4699, 4910 and 4919

# Revision notes:

**REV1:**

CID 4699 – adjusted MMPDU max value from 2356 to 2304 and changed discsussion to reflect this value

**REV0:**

**CID 4699:**

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| --- | --- | --- | --- | --- | --- | --- |
| 4699 | Mark Rison | 37.44 | 8.3.3.1 | This paragraph duplicates information in other places and may be wrong (I can't work out how you get 2356) | Delete the paragraph | Revise - Tgac editor to make changes shown under the heading CID 4699 within document 11-12-0693r0 which generally agree with the sentiment expressed by the commenter. |

**Discussion:**

Generally agree with commenter.

Regarding the value 2356 octets. Apparently, the undefined term “management MPDU” refers to a “management frame”, and MMPDU refers to the “body” of a “management MPDU.” Given this, the limit for MMPDU should be 2304.

Proposed text changes:

***TGac editor, please make changes to portions of subclause “8.3.3.1 Format of management frames*” *of 802.11 TGac draft 2.1 as shown:***

* Format of management frames

Change the 1st paragraph as follows:

The format of a management frame is defined in Figure 8-34. The Frame Control, Duration, Address 1, Address 2, Address 3, and Sequence Control fields are present in all management frame subtypes. ~~The~~ In an MMPDU carried in one or more non-VHT PPDU(s)(#4529) the maximum unencrypted MMPDU size~~, excluding the MAC header and FCS, is 2304 octets~~ is specified in Table 8-0a (Maximum DU sizes (in octets) and durations (in microseconds) per PPDU format)(#4473). In an MMPDU carried in one or more PPDU(s),(#4529) all of which are VHT PPDU(s), the maximum unencrypted MMPDU size is the maximum MPDU size supported by the recipient(s) less the shortest management frame MAC header and FCS. In an MMPDU carried in one or more PPDU(s), none of which are VHT PPDU(s), the maximum unencrypted MMPDU size is 2304 octets.

Insert the following as the second paragraph (after the notes):

**CID 4910:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 4910 | Matthew Fischer | 34.36 | 8.3.1.9 | The highest indicated modulation and stream combinations result in phy rates that will reduce throughput efficiency to exceedingly low levels if the maximum block ack window size is not allowed to increase beyond the existing 64 | Increase the maximum allowed MPDUs in the Block Ack frame to 256 by creating a new form of Block Ack. | Reject – commenter has not shown a benefit of the proposed change that would warrant its acceptance. |

**Discussion:**

**CID 4919:**

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| --- | --- | --- | --- | --- | --- | --- |
| 4919 | Matthew Fischer | 107.26 | 9.12.6 | Is there a restriction against setting the EOF bit in the MPDU delimiter for non-VHT frames? If so, where is it? | Add a prohibition against setting the EOF bit in the MPDU delimiter for non-VHT frames. | Reject - 8.6.1 A-MPDU format already describes the MPDU delimiter EOF subfield as being set to 0 in non-VHT PPDUs |

**References:**