IEEE P802.11  
Wireless LANs

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| A-MSDU section | | | | |
| Date: 2011-07-18 | | | | |
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Abstract

This document provides resolution for the comments listed below

Comments are from: 11-11-0907-0x-00ac-lb178-comments-tgac-d1-0.xlsx

Comments refer to: Draft P802.11ac\_D1.0.pdf

**Comments**

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| 2292 | 75.32 | 9.11 | ambiguous reference - | change "its" to "the recipient's" | AGREE IN PRINCIPLE | MAC |
| 2293 | 75.43 | 9.11 | ambiguous reference - whose capability element? | change "element" to "element of the recipient" | AGREE IN PRINCIPLE | MAC |
| 3060 | 75.44 | 9.11 | Is A-MSDU support mandatory for 'Single MPDU'?. 11n states "Support for the reception of an A-MSDU, where the A-MSDU is carried in a QoS data MPDU with Ack Policy (#10128)equal to Normal Ack and the A-MSDU is not aggregated within an A-MPDU, is andatory for an HT STA" | change to: "Support for the reception of an A-MSDU, where the A-MSDU is carried in a QoS data MPDU with Ack Policy (#10128)equal to Normal Ack and the A-MSDU is not aggregated within an A-MPDU or is sent as part of a Single MPDU frame, is mandatory for an HT STA" | AGREE IN PRINCIPLE | MAC |
| 3063 | 75.28 | 9.11 | specify to which capability the sentence is referred to: "A STA shall not transmit an A-MSDU in a HT PPDU to a STA that exceeds its maximum A-MSDU length capability." | A STA shall not transmit an A-MSDU in a HT PPDU to a STA that exceeds its maximum A-MSDU length capability, indicated in the HT Capability element | AGREE IN PRINCIPLE | MAC |

**Discussion**

Added the reference to the Capabilities element most recently received from the recipient STA.

Added a sentence clarifying that reception of an A-MSDU is mandatory for a VHT STA in case it is carried in a VHT Single MPDU

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| 3349 | 75.28 | 9.11 |  |  | What happens if a VHT STA wants to retransmit an A-MSDU previously sent in a VHT PPDU using an HT PPDU, but this A-MSDU exceeds the max A-MSDU size? | Clarify | AGREE IN PRINCIPLE | MAC |

**Discussion**

In that case the A-MSDU cannot be transmitted; this limitation is already present in the text though the description of the maximum supported A-MSDU and MPDU lengths; A NOTE is added to further clarify

Instructions to the editor

**9.11 A-MSDU operation**

***Modify the section as follows:***

***L36 P75 of 11acD1.0***

A STA shall not transmit to a STA an A-MSDU in a HT PPDU that exceeds the maximum A-MSDU length

indicated in the Maximum A-MSDU Length field of the HT Capabilities element most recently received from the recipient STA.

A VHT STA that sets the Maximum MPDU Length in the VHT Capabilities element to indicate 3895 octets

shall set the Maximum A-MSDU Length in the HT Capabilities element to indicate 3839 octets. A VHT STA

that sets the Maximum MPDU Length in the VHT Capabilities element to indicate 7991 octets or 11 454 octets

shall set the Maximum A-MSDU Length in the HT Capabilities element to indicate 7935 octets.

A STA shall not transmit to a STA an MPDU in a VHT format PPDU that exceeds the maximum MPDU

length capability indicated in the VHT Capability element most recently received from the recipient STA.

NOTE—An A-MSDU that meets the A-MSDU length limit for transmission in a VHT PPDU might exceed the A-MSDU length limit for an HT PPDU and thus cannot be retransmitted in an HT PPDU.

***Modify the paragraph starting at PAG 862 L10 of REVmbD9.1***

Support for the reception of an A-MSDU, where the A-MSDU is carried in a QoS data MPDU with Ack Policy

(#10128)equal to Normal Ack is mandatory in the following cases

-- for an HT or VHT STA if the A-MSDU is not aggregated within an A-MPDU,

-- for a VHT STA if the A-MSDU is sent as a VHT Single MPDU.