IEEE P802.11  
Wireless LANs

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| TGac SB 01 Comment Resolution-osama2 | | | | |
| Date: 2013-05-13 | | | | |
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Abstract

This submission includes proposed resolution to CIDs, 10149, 10165, 10173, and 10183.

10173

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| CID | Page | Clause | Comment | Proposed Resolution | Resolution |
| 10149 | 36.19 | 8.2.4.5.4 | From what is written in 8.6.1 of 802.11-2012, one can say that a single A-MPDU subframe within an A-MPDU is allowed from 802.11n. And an implicit BAR can be used. Why does a VHT single MPDU ban from using an implicit BAR? This special case seems to make things complicated rather then having benefits. | Delete VHT single MPDUs throughout the draft. Or explain enough reason. | Rejected: AVHT PPDU always transport frames in A-MPDU format. It is necessary to define a compatible format when a single MPDU is transmitted. The use of A-MPDU format was mandated in VHT since the MPDU Delimiter includes information that is not available anywhere else in the VHT PPDU header |

Discussion:

By definition a VHT Single MPDU contains a single MPDU which can be acknowledged by the use of normal ACK, the use of implicit BAR isn’t needed in this case. Since VHT PPDU always carries frames in A-MPDU format, it is necessary to define a compatible format when a single MPDU is transmitted. The use of A-MPDU format was mandated in VHT since the MPDU Delimiter includes information that is not available anywhere else in the VHT PPDU header.

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| 10165 | 122.50 | 9.2.6 | If one wants to use fragmentation, do it without using an A-MPDU format. Or are there enough benefits over defining this special case for an VHT single MPDU? | Delete VHT single MPDUs throughout the draft. Or explain enough reason. | Rejected: AVHT PPDU always transport frames in A-MPDU format. It is necessary to define a compatible format when a single MPDU is transmitted. The use of A-MPDU format was mandated in VHT since the MPDU Delimiter includes information that is not available anywhere else in the VHT PPDU header |

Discussion:

Since VHT PPDU always carries frames in A-MPDU format, it is necessary to define a compatible format when a single MPDU is transmitted. The use of A-MPDU format was mandated in VHT since the MPDU Delimiter includes information that is not available anywhere else in the VHT PPDU header.

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| 10173 |  | 9.7.6 | Why not change the rules applied to a VHT single MPDU to a more wider case with an A-MPDU containing a single A-MPDU subframe? | Change "that does not contain a VHT single MPDU" in two places in 9.7.6.1 to "containing multiple A-MPDU subframes". Change "either a VHT single MPDU or not carried in an A-MPDU" in 9.7.6.2, 9.7.6.4, and 9.7.6.5.1 to "not carried in an A-MPDU or carried in an A-MPDU but with a single A-MPDU subframe". | Rejected: The commenter does not provide justification for why the proposed changes are needed and what value do they add |

Discussion:

The commenter does not provide justification for why the proposed changes are needed and what value do they add. The two places where changes are proposed specifies what rules are applicable for control frames carried in A-MPDU (not carrying a VHT single MPDU) and what rules are applicable for control frames carried in a VHT single MPDU. Making the proposed changes will have a different effect other than that intended.

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| 10183 | 145.61 | 9.12.8 | What is the reason for defining this special case within an A-MPDU? Seems to have more defects than merits. | Delete VHT single MPDUs throughout the draft. Or explain enough reason. | Rejected: the commenter need to provide more information related to the defects identified. See also discussion in <this document> |

Discussion:

The commenter didn’t provide sufficient information related to his statement; “Seems to have more defects than merits” for the group to address his concerns. Since VHT PPDU always carries frames in A-MPDU format, it is necessary to define a compatible format when a single MPDU is transmitted. The use of A-MPDU format was mandated in VHT since the MPDU Delimiter includes information that is not available anywhere else in the VHT PPDU header

**References:**