IEEE P802.11  
Wireless LANs

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| LB231 CID Resolutions | | | | |
| Date: 2018-05-07 | | | | |
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Abstract

Proposed resolutions to LB231 CIDs 1120, 1203, 1207, 1272, 1386, and 2279.

Comments from LB231 -

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| **CID** | **Commenter** | **Clause** | **Comment** | **Proposed Change** |
| 1120 | Oren Kedem | 9.4.2.250 | The Maximum PHY Rate subfield contains the maximum PHY data rate, in units of 100 Mbps, that the STA supports in receive mode, over all supported channel bandwidths and number of spatial streams"    there is no usage for this field | Consider to remove field from Core capability |

Resolution: Reject

Discussion: Implementations may have rate limitations, for example due to a data bus that place an upper limit on total PHY rate regardless of MCS.

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| 1203 | Adrian Stephens | 9.4.2.250.1 | "non-AP or non-PCP EDMG STA"    This is inherently ambiguous as it combines (or) and (and) operations and there is no clear operator precedence. In this case, is the non-AP STA also an EDMG STA?  I suspect it is also incorrect, because AP and PCP EDMG STAs also transmit this element. | Replace all such use with the expanded term "non-AP EDMG STA or non-PCP EDMG STA". |

Resolution: Revise

Discussion: Text is ambiguous and should be changed throughout 802.11ay. It is true that AP EDMG STAs and PCP EDMG STAs transmit this element, however these STAs also declare they are EDMG STAs through the DMG Parameters field that is transmitted in Beacons.

*Instruct the Editor to make a global change in the 802.11ay draft from* "non-AP or non-PCP EDMG STA" *to* "non-AP EDMG STA or non-PCP EDMG STA"

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| 1207 | Adrian Stephens | 9.4.2.250.4 | "PHY Capability field" - this is an over-general field name, as it is specific to EDMG STAs | Insert "EDMG" in the name of the field. Ditto for all the subfields of the EDMG capabilities element. |

Resolution: Accept

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| 1272 | Yan Xin | 9.4.2.250.2 | DL MU-MIMO is indicated for data trasnmission when MU-MIMO Supported subfield in Beamforming Capability filed is set to one. It is not clear why UL MU-MIMO Supported subfield is defined. UL MU-MIMO phase is optionally a part of MU-MIMO beamforming. | clarify the definition of UL MU-MIMO Supported |

Resolution: Reject

Discussion: The current text is clear. The UL MU-MIMO bit indicates support for an optional feature.

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| 1386 | Assaf Kasher | 9.4.2.250.1 | The TRN parameters should be moved to the beamforming capabilities field | Move the TRN parameters to the Beamforming capability |

Resolution: Reject

Discussion: All devices will employ TRN, so the TRN capabilities should remain in the core capabilities.

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| 2234 | Li-Hsiang Sun | 9.4.2.250.3 | Value of the subfield should be the combined total number of RX and TX antennas of an EDMG STA minus 1 | change to the value of the Number of DMG Antenna subfield plus 1 defines ... |

Resolution: Accept

*Instruct the Editor to modify Section 9.4.2.250 as in the accepted and revised comments above.*