IEEE P802.11
Wireless LANs

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| LB231 Commnet Resoution I |
| Date: 2017-10-16 |
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Abstract

This document suggests resolution for CIDs 1124, 1165, 1240, 1293, 1300, 1336, 1347, 1348, 1472, 1481

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| 1124 | 9.4.2.258 | Figure 55 title is wrong, should be EDMG Partial Sector Level Sweep and not "EDMG Training Field Schedule element format" | Replace to "EDMG Partial Sector Level Sweep" |

Proposal: **Reject**

Discussion:

Figure 55 title is actually “**FAA Authentication element format** “. It is not in 9.4.2.258. The titles of the figures in 9.4.2.258 are correct. The comment is incorrect.

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| 1165 | 206.31 | 31 | The editor's note states that this para is incomplete, and I have to trust the editor's opinion. | Make it completerer. |

Proposal: Reject

Discussion:

The editor notes says:

***“Editor Note: specification above is incomplete. Need to specify the which STA (initiator or responder)***  ***the field applies. Also, there is incomplete specification of how the other fields in the element are used and tie breaker rules”***

However, for each field, it is said who is the device that sent the field, and whos is using it. For the time fields, in 9.4.2.258 it is clearly specified that only the initiator sets the time fields and that they are reserved when sent by the responder.

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| 1240 | 158.05 | 10.38.6.3 | "Alternatively, an EDMG responder" -- it is unclear how much of the preceding text this is an alternative to. It also creates a conflict with that text. | Restructure into a list showing the two alternative behaviors with a guard on the second alternative "EDMG responder only". |

Proposal: **Revise**

***TGay Editor: Modify the text in P1058L4-7 as follows:***

the BRP setup subphase. For all BRP-RX packets except the last one, the responder shall also set the MID Extension field to 1.

An EDMG responder, responding to an EDMG initiator, may choose to use a single PPDU for training during the MID phase by setting the TXVECTOR parameter EDMG\_TRN\_LEN to a value greater than zero and the parameter RX\_TRN\_PER\_TX\_TRN to a value equal to the value of the L-RX subfield transmitted during

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| 1293 | 232.01 | 30.2.2 | Information needed to generate BRP channel measurement Report is missing (such tap measurements | submission will be provided |

Proposal: **Revise**

**TGay Editor: add the following line to table 27 (TX RX vector)**

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| CHANNEL\_MEASUREMENT | FORMAT is EDMG | Channel measurement, including taps real and imaginary parts, based on meassurements performed on received TRN field. | N | Y |

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| 1300 | 232.02 | 30.2.3 |  |  | PHY configuration should also define configuration of Transmit antennas, trasnmit chains, Rx antennas and Rx chains | submission will be provided |

Proposed Resolution: Revised

***TGay Editor: Add the following text after P233L13***

The PHYCONFIG\_VECTOR carried in a PHY-CONFIG.request primitive for an EDMG PHY contains a set of up to RX\_CHAIN\_ID\_ASSIGNMENT parameters, each take values from the set {DMG\_ANT1, DMG\_ANT2, DMG\_ANT3, DMG\_ANT4, DMG\_ANT5, DMG\_ANT6, DMG\_ANT7, DMG\_ANT8}

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| 1336 | 158.10 | 10.38.6.3.3 | "TX sector, the initiator shall perform RX AWV training. In the feedback, the initiator shall send the index of the TX sector within the TRN field rather than the sector ID, where the first TX sector has index 0." - The nomenclature have changed | Replace "the initiator shall send the index of the TX sector within the TRN field rather than the sector ID" with "the initiator shall set the BS\_FBCK and BS-FBCK MSB fields to the AWV index of the sectro rathen than the sector ID" |

Proposed Resolution: **Accept**

***TGay Editor: Modify the text in P158L10 as follows*:**

the initiator shall set the BA\_FBCK and BS-FBCK MSB fields to the AWV index rather than the sector ID, where the first TX sector has index 0.

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| 1347 | 231.01 | 30.2.2 | EXAPANSSION\_MAT is not an enumerated type. It can take one of 3 forms but it is not an enumerated type | Replace with "one of the following:" |

Propoased Resolution: **Revised**

Irrelevant by resolution to CID 1348

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| 1348 | 231.01 | 30.2.2 | IT is not clear why anything besides SV matrices (in RX) and SV matrices in (TX) should go through the PHY service interface. The calculation (when needed) should happen at the MAC | Remove unencessary parts from the interface |

Proposed Resolution: **Revised**

Discussion: The expansion MAT should be simply the expansion matrices. The way it is generated by the MAC is not relevant

***TGay Editor: replace the EXPENSION\_MAT and EXPANSION\_MAT\_TYPE rows in table 27 with the following:***

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| --- | --- | --- | --- | --- |
| EXPANSION\_MAT | FORMAT is EDMG | Set of matrixes to be used for spatial Expansion by the transmitter | Y | N |

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| 1472 | 104.26 | 10.3.2.3.11 | TXTIME(Short SSW) is not defined anywhere. | Define TXTIME(Short SSW). |

Proposed Resolution: **Reject**

Discusiion: This format (TXTIME(Frame Type)) is used a lot in the baseline, no definition per frame type is needed. The SSSW frame does not any special treatment in terms of TXTIME calculation.

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| 1481 | 146.31 | 10.38.2.2.1 | Is it allowed to mix different packet types in an ISS (i.e. SSW and Short SSW)? | If allowed, add an explanation of when SSW and short SSW would be mixed. |

Proposed Resolution: **Revise**

***TGay Editor: Modify the text in P146L35 as follows:***

If the initiator begins an ISS with the transmission of a Short SSW packet, it shall use the Short SSW packet for all subsequent transmissions during the ISS. No Short SSW packet may be used in a sector sweep unless the first packet in the sector sweep was Short SSW packet. A responder never begins an ISS.