IEEE P802.11  
Wireless LANs

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| Some SAB1 CR v5 | | | | |
| Date: 2022-01-21 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Assaf Kasher | Qualcomm |  |  | akasher@qti.qualcomm.com |
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Abstract

This document proposes resolution to the following SAB1 CIDs: 7223, 7314, 7322, 7336, 7363, 7364, 7351, 7343

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| 7223 |  |  | 9.3.1.19 | As there are a few cases for the Ranging NDP Announcement frame differentiated by the values of the AID11 subfield, It is better to summarize the values of AID11 subfield, say be a table, in this subclause. | As in comment. | Revise:  TGaz Editor: perform changes specified in <https://mentor.ieee.org/802.11/11-22-598-00-00az-Some-SAB1-CR-v5.doc> |

***TGaz Editor: Insert the following text before P45L18 of D4.1***

The format of the STA Info field in a Ranging NDP Announcement frame depends on the value of the AID11 subfield as defined in Table 1

Table 1 - STA Info Field formats interpretation for different values of AID11

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| AID11 value | Ranging NDP Anouncement type |
| ≤2007 | ? (TB ranging measurement exchange) |
| 2043 | non-TB ranging measurement exchange with secure LTF |
| 2044 | ? |

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| 7314 | 137.07 | 7 | 11.21.6.3.4 | "see Table 9-7 322h23fe (Secure LTF protocol section identifier)." -wrong reference? | Change to "Figure 9-788edm1—Secure LTF subelement format" | Accept |

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| 7322 | 151.14 | 14 | 11.21.6.4.3.2 | "Any ISTA addressed by a User Info field in a TF Ranging Poll frame can request to participate in measurements in this availability window by responding with a CTS-to-self in an SMPDU within an HE TB PPDU (#1336) in its designated RU allocation as identified in the TF Ranging Poll frame;" - we imply that not responding means an ISTA does not request, but in baseline TF the STA does not have a choice if to reply or not, let's spell this out | Add a sentence "Conversely an ISTA shall not send any frame in its designated RU to indicate it will not participate in this availability window." | Accept |

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| 7336 | 79.05 | 5 | 9.4.2.298 | Does "Max number of LTFs" mean maximum number of HE-LTF symbols? Or maximum number of 'some sort of section' (e.g. users)? | Assuming this means the number of HE-LTF symbols, change the first row of Table 9-322h23fc from "Max number of LTFs" to "Maximum total number of HE-LTF symbols" | Accept |

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| 7363 | 156.10 | 10 | 11.21.6.4.3.3 | The phrase "TDMA Multiplexing" is not accurate. Time-division multiple access (TDMA) is a type of channel access. Figure 11-37g has nothing to do with channel access. It should be "time-division multiplexing". | Replace "TDMA Multiplexing" by "time-division multiplexing" | Accept  TGaz Editor, this may happen automatically if 7364 is applied. |
| 7364 | 156.15 | 15 | 11.21.6.4.3.3 | The phrase "TDMA Multiplexing" is not accurate. Time-division multiple access (TDMA) is a type of channel access. Figure 11-37g has nothing to do with channel access. It should be "time-division multiplexing". | Replace "TDMA Multiplexing" by "time-division multiplexing" | Accept |

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| 7351 | 238.17 | 17 | 27.3.18a.1 | "In the pre- 18 HE modulated fields, the number of Tx antennas used shall be no less than the minimum number 19 of Tx antennas used in the HE modulated fields." -didn't we want the maximum? | Clarify if max or min? | Reject  The group has determined that the current text is prefered |

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| 7343 | 235.12 | 12 | 27.3.10 | Mathematical description of signals - is missing a descriptionof He Ranging NDPs, specifically with secure LTF | as per comment | Revise.  From the the point of view of the the formula the only thing that is missing is the zero GI. This can be solved by requiring the time domain window to be 0 at the GI points.  TGaz Editor: perform changes specified in <https://mentor.ieee.org/802.11/11-22-598-00-00az-Some-SAB1-CR-v5.doc> |

***TGaz Editor: change the text in P248L3-5 as follows:***

1. Insert zero power GI and apply windowing: Prepend values of zero of length indicated by the TXVECTOR parameter GI\_TYPE and apply windowing as described in 27.3.10 (Mathematical description of signals). The windowing function shall be zero for withing the time of the zero GI.

**References:**