IEEE P802.11Wireless LANs

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| Proposed Resolutions to some CIDs of 11az SAB2 |
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Abstract

This submission proposes the resolutions to 11az SAB2 CID- 8020, 8058, 8059, 8060, 8061, 8062 and 8063.

The page and line numbers refer to those in 11az Draft 5.0 [1].

**Introduction**

This submission proposes the resolutions to 11az SAB2 CID- 8020, 8058, 8059, 8060, 8061, 8062 and 8063.

The page and line numbers refer to those in 11az Draft 5.0 [1].

**Comments:**

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| CID | Page/Line | Clause | Comment | Proposed change | Resolution |
| 8020 | P136//L15 | 11.21.6.3.4 | "the RSTA shall set the RSTA Assigned R2I Rep to the Max R2I Repetition subfield value in the IFTMR frame which shall be greater than 0," - what if the RSTA doesn't support what is requested? | Change to "the RSTA shall set the RSTA Assigned R2I Rep to a value greater than 0 and no larger than the Max R2I Repetition subfield value in the IFTMR frame" | Reject. An ISTA will request R2I Rep that matches to its security requirement. If for any reason that an ISTA requires a higher number of repetitions, an RSTA shall either match the requested repetition, or reject the ranging request if it is incapable.  |
| 8058 | P51/L6 | 9.3.1.22a.2 | "The value of the I2R Rep subfield is the same in all User Info fields in the Trigger frame. " If multiple Triggers are used, the I2R Rep included in different triggers may be different. Modify the sentence so the requirement is precisely specified. | Modify the sentence to "The value of the I2R Rep subfield is the same in all User Info fields in a single Trigger frame." | Accept.  |
| 8059 | P51/L23 | 9.3.1.22a.3 | "The format of the User Info field in the Secure Sounding Ranging Trigger is defined in Figure 9-64le (User Info field for Secure Sounding subvariant) (#5172)." Please specify that there is a single User Info field in a Secure Sounding Ranging Trigger to be consistent with the secure ranging protocol.  | After the quoted sentence, please add" There is a single User Info field in a Secure Soundng Raning Trigger." | Revised. After the quoted sentence, please add" There is a single User Info field in a Secure Sounding Ranging Trigger frame." |
| 8060 | P52/L19 | 9.3.1.22a | "The Passive Sounding Ranging Trigger frame follows the definition of the Sounding Ranging Trigger frame except that the RA field is always (#2285) set to the broadcast address." Please specify that there is a single User Info field in a Passive Sounding Ranging Trigger to be consistent with the passive ranging protocol. | After the quoted sentence, please add" There is a single User Info field in a Secure Soundng Raning Trigger." | Revised. After the quoted sentence, please add" There is a single User Info field in a Passive Sounding Ranging Trigger frame." |
| 8061 | P59/L4 | 9.4.2.21.10 | "The Antenna Placement And Calibration List field is composed of one or more Antenna Placement And Calibration fields. " the wording "one or more" here is not precise. The number of Antenna Placment Andd Calibration fields shall always be NTx\_Sel. | Modify the sentence to "The Antenna Placement And Calibration List field is composed of NTx\_Sel Antenna Placement And Calibration fields." | Revised. Change the text to: " The Antenna Placement And Calibration List field is composed of NTx\_Sel Antenna Placement And Calibration fields, where NTx\_Sel is greater than or equal to one " |
| 8062 | P135/L34 | 11.21.6.3.4 | "When an ISTA has included the Secure HE-LTF subelement in the Ranging Parameters element in its IFTMR frame and set the value of the Secure HE-LTF Required field to 1, then the RSTA shall include the Secure HE-LTF sublement in the Ranging Parameter element in its IFTM frame and set the value of the Secure HE-LTF Required field to 1 and the value of the Status Indication field to 1 (i.e., Successful) to assign a secure HE-LTF measurement exchange mode with the ISTA; otherwise sends the IFTM frame with the value of the Status Indication field set to 2 (i.e., Request incapable) or 3 (i.e., Request failed) in order to reject the negotiation of the Secure HE-LTF 2 measurement exchange mode. (#5042, #7310)" This text allows an RSTA that has set dot11SecureLTFImplemented to true to indicate it is incapable of setting up a requested secure HE-LTF session, which is incorrect. The correct behavior is, as long as a session setup is successful, the RSTA shall assign a secure HE-LTF session. | Modify the text to: "When an ISTA has included the Secure HE-LTF subelement in the Ranging Parameters element in its IFTMR frame and set the value of the Secure HE-LTF Required field to 1, then the RSTA that has set the value of the Status Indication field to 1 (i.e., Successful) shall include the Secure HE-LTF sublement in the Ranging Parameter element in its IFTM frame and set the value of the Secure HE-LTF Required field to 1 to assign a secure HE-LTF measurement exchange mode with the ISTA". | Revised. Change the text: "When an ISTA has included the Secure HE-LTF subelement in the Ranging Parameters element in its IFTMR frame and set the value of the Secure HE-LTF Required field to 1, then the RSTA that has set the value of the Status Indication field to 1 (i.e., Successful) shall include the Secure HE-LTF subelement in the Ranging Parameter element in its IFTM frame and set the value of the Secure HE-LTF Required field to 1 to assign a secure HE-LTF measurement exchange mode with the ISTA".  |
| 8063 | P138/L18 | 11.21.6.3.4 | "… where the RSTA Assigned R2I Rep and RSTA Assigned I2R 19 Rep specify the number of HE-LTF repetitions in the preamble of the R2I and I2R NDP for this 20 session, respectively. " NDP should be pulral here and other minor improvements are needed. | Modify the text to " ...where the RSTA Assigned R2I Rep and RSTA Assigned I2R Rep are set to the acutal number of HE-LTF repetitions in the preamble of the R2I and I2R NDPs for this session minus one, respectively." | Reject. The current text already indicates for secure ranging, “RSTA Assigned R2I Rep” and “RSTA Assigned I2R Rep” represents the actually number of HE-LTF repetition.  |

**References**

[1] IEEE P802.11az™/D5.0, Draft Standard for information technology – Telecommunications and information exchange between systems Local and metropolitan area networks – Specific requirements, Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications, Amendment 4: Enhancements for positioning