IEEE P802.11  
Wireless LANs

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| LB253 Passive TB Ranging CR – Part III | | | | |
| Date: 2021-06-30 | | | | |
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Abstract

This document proposes resolutions to TGaz LB253 comments, for the most related to Passive TB Ranging. The changed described here are in relation to [1].

The TGaz LB253 CID addressed in this document are the 5 CIDs:

5283, 5022,

5023, 5024, 5025,

5055, and

5028

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed change** | **Proposed resolution** |
| 5283 | 86.19 | 9.4.2.304 | Inconsistent usage: here we have "two's-complements", whereas else where we have "twos complement". The usage should be consistent. | Inconsistent usage: here we have "two's-complements", whereas else where we have "twos complement". The usage should be consistent. | Rejected.  The correct form is two’s complement. |
| 5022 | 87.16 | 9.4.2.304 | Delete ' in question' from the sentence | As per comment | Revised.    Agree in principal.  TGaz editor, make the changes as shown in document https://mentor.ieee.org/802.11/dcn/21/11-21-1021-01-00az-lb253-passive-tb-ranging-cr-part-iii.docx. |

***TGaz Editor: Change the numbering of Subclause 9.4.2.304 (ISTA Passive TB Ranging Measurement Report element) as follows:***

**9.4.2.304 ISTA Passive TB Ranging Measurement Report element (#2340)**

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The AID12/RSID12 subfield contains the 12 LSBs of the AID, for an associated ISTA, or the 12 LSBs of the RSID, for an unassociated ISTA, of the STA that transmitted the NDP that the timestamp is reported for. When the STA that transmitted the NDP is the RSTA the value zero is reported in the AID12/RSID12 subfield. (#**1518**, #**3045, #5022**)

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed change** | **Proposed resolution** |
| 5023 | 87.21 |  | Change Time Stamp' to Timestamp' as shown in the figure 9-788edz. | As per comment | Revised.  We have more instances of ‘timestamp’ than ‘time stamp’ or ‘time-stamp’.  TGaz editor, change all occurances of ‘time stamp’ and ‘time-stamp’ to ‘timestamp’. |
| 5024 | 89.03 | 9.4.2.304 | delete 'via' from the sentence | As per comment | Rejected.  It seems accurate to use the term ‘via’ here. |
| 5025 | 88.00 | 9.4.2.304 | Modify text 'The Invalid Measurement field is set to 1 to indicate that the timestamp invalid, or set 0 to indicate that the timestamp valid.' to | The Invalid Measurement field is set to 1 to indicate that the timestamp is invalid, or set 0 to indicate that the timestamp is valid | Revised.    Agree in principal.  TGaz editor, make the changes as shown in document https://mentor.ieee.org/802.11/dcn/21/11-21-1021-01-00az-lb253-passive-tb-ranging-cr-part-iii.docx. |

***TGaz Editor: Change the text in Subclause 9.4.2.304 (ISTA Passive TB Ranging Measurement Report element) as follows:***

**9.4.2.304 ISTA Passive TB Ranging Measurement Report element (#2340)**

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An Invalid Measurement field value of 1 indicates that the timestamp is invalid. A value of 0 to indicates that the timestamp is valid. (#**5025**)

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed change** | **Proposed resolution** |
| 5055 | 152.28 |  | Change 'can' to 'may' | As per comment | Revised [Or accept in case we are making no other changes. Then also remove instructions.]  TGaz editor, make the changes as shown in document https://mentor.ieee.org/802.11/dcn/21/11-21-1021-01-00az-lb253-passive-tb-ranging-cr-part-iii.docx. |

***TGaz Editor: Change the text in Subclause 11.21.6.4.3.4 (Reporting phase of TB Ranging measurement) as follows:***

**11.21.6.4.3.4 Reporting phase of TB Ranging measurement (#2158)**

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The feedback type of the I2R and R2I LMRs may (#3713) be either immediate (i.e., from the current availability window) or delayed (i.e., from the last availability window in which the ISTA responded to the TF Ranging Poll frame and the RSTA allocated resources to that ISTA during the measurement sounding phase). The LMR feedback (immediate/delayed) is indicated by the RSTA during the negotiation (see 11.21.6.3.3 Negotiation for TB and Non-TB Ranging measurement exchange).

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed change** | **Proposed resolution** |
| 5028 | 100.26 | 9.6.7.49 | Modify the text 'The R2I NPD Tx Power and I2R NDP Targer RSSI fields are used in the in R2I LMR as part of the Non-TB ranging measurement exchange, 11.21.6.4.4 (Non-TB Ranging measurement exchange); otherwise their values are reserved' to | The R2I NPD Tx Power and I2R NDP Target RSSI fields are used in the in R2I LMR as part of the Non-TB ranging measurement exchange, 11.21.6.4.4 (Non-TB Ranging measurement exchange) when RSTA and ISTA during negotiation set the R2I TX Power and/or the I2R TX Power fields to value 1; otherwise their values are reserved. | Revised.  Re-resolving this CID over the resolution in document https://mentor.ieee.org/802.11/dcn/21/11-21-0929-02-00az-lb253-lmr-frame-cr.doc.  Agree in principle.  TGaz editor, make the changes as shown in document https://mentor.ieee.org/802.11/dcn/21/11-21-1021-01-00az-lb253-passive-tb-ranging-cr-part-iii.docx. |

***TGaz Editor: Change the text in Subclause 9.6.7.49 (Location Measurement Report frame format) as follows:***

**9.6.7.49 Location Measurement Report frame format**

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If negotiated, the R2I NPD Tx Power and I2R NDP Target RSSI fields are used in the in R2I LMR as part of the Non-TB ranging measurement exchange, 11.21.6.4.4 (Non-TB Ranging measurement exchange), otherwise their values are reserved. (#**5028**)

**References:**

**[1] Draft P802.11az\_D3.1**