IEEE P802.11Wireless LANs

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| Proposed Resolutions to 11az LB253 CID-5457 |
| Date: 2021-07-08 |
| Author(s): |
| Name | Company | Address | Phone | email |
| Qi Wang | Apple Inc.  |  |  | qi\_wang2@apple.com |
| Tianyu Wu | Apple Inc.  |  |  | tianyu@apple.com |

Abstract

This submission proposes the resolution to 11az LB253 CID-5457.

The page and line numbers for proposed changes refer to those in 11az Draft 3.0 [1].

**Introduction**

This submission proposes the resolution to 11az LB253 CID-5457.

The page and line numbers for proposed changes refer to those in 11az Draft 3.0 [1].

**Comments:**

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| --- | --- | --- | --- | --- | --- |
| CID | Page/Line | Clause | Comment | Proposed change | Resolution |
| 5457 | 153/33 | 11.21.6.4.3.4 | "NOTE--A STA should discard ranging measurements when it detects that the transmit center frequency offset (CFO) between the ISTA and the RSTA exceeds the allowed tolerance from the values specified in 27.3.19.3 and 27.3.15.3. (#3247)" This same note should be included in the clause for Non-TB ranging reporting phase, too, as was done in earlier version f 11az. | Please add the same note to clause 11.21.6.4.4.3 (Non-TB ranging measurment reporting phase). | Revised. Agree with the commenter in principle. However, the note text needs to be revised so that it doesn’t contain the word “should” per the IEEE style guideline. TGaz editors: please incorporate the text changes in: [https://mentor.ieee.org/802.11/dcn/21/11-21-1080-00-00az-proposed -resolution-to -11az-LB253-CID-5457.docx](https://mentor.ieee.org/802.11/dcn/21/11-21-1080-00-00az-proposed%20-resolution-to%20-11az-LB253-CID-5457.docx) |

**Proposed text change (#5457):**

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

…

In TB Ranging, the PHY shall issue the PHY-RXEND.indication primitive with error condition IntegrityCheckError, if the PHY detects the integrity check error in the reception of the corresponding HE Ranging NDP or HE TB Ranging NDP. If the PHY of an RSTA issues a PHY- RXEND.indication primitive with error condition IntegrityCheckError, the RSTA shall set the Invalid Measurement field in the R2I LMR frame carrying the TOA measured from the I2R NDP to 1. Correspondingly, if I2R LMR was negotiated between the ISTA and RSTA and the PHY of the ISTA issues a PHY-RXEND.indication primitive with error condition IntegrityCheckError, the ISTA shall set the Invalid Measurement field in the I2R LMR carrying the TOA measured from the R2I NDP to 1. (#**2501**, #**2500**)

**TGaz Editor: please change the 11az\_D3.0 text, page 153, line 33--35 as follows:**

NOTE -- When a STA detects that the transmit center frequency
 offset (CFO) between the ISTA and the RSTA exceeds the allowed tolerance from the values specified in
 27.3.19.3 and 27.3.15.3, this can be an indication of a security attack. (#**3247**) (#5457)

**Non-TB Ranging Measurement Reporting phase**

**…**

In Non-TB Ranging, the PHY shall issue the PHY-RXEND.indication primitive with error condition IntegrityCheckError, if the PHY detects the integrity check error in the reception of the corresponding HE Ranging NDP. If the PHY of an RSTA issues a PHY-RXEND.indication primitive with error condition IntegrityCheckError, the RSTA shall set the Invalid Measurement field in the R2I LMR frame carrying the TOA measured from the I2R NDP to 1. Similarly, if I2R LMR was negotiated between the ISTA and RSTA and the PHY of an ISTA issues a PHY-RXEND. Indication primitive with error condition IntegrityCheckError, the ISTA shall set the Invalid Measurement field in the I2R LMR carrying the TOA measured from the R2I NDP to 1. (#**2501**,  #**2500**)

**TGaz Editor: please insert the following text immediately after the above paragraphs (i.e., (insert right after line 12 on page 160 of 11az\_D3.0):**

NOTE -- When a STA detects that the transmit center frequency
 offset (CFO) between the ISTA and the RSTA exceeds the allowed tolerance from the values specified in
 27.3.19.3 and 27.3.15.3, this can be an indication of a security attack. (#5457)

**References**

[1] IEEE P802.11az™/D3.0