IEEE P802.11  
Wireless LANs

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| 802.11  [802.11az Spec Text for Invalid Measurement Indication in LMR]  (relative to REVmd D0.5) | | | | |
| Date: 2018-07-05 | | | | |
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**Abstract**

This submission proposes P802.11az draft amendment text for the P802.11az Negotiation Protocol. The baseline documents that this proposal depends on are:

1. D0.05 of REVmd
2. D8.0 of PIEEE802.11aj
3. D5.0 of PIEEE802.11ak
4. D13.0 of PIEEE802.11aq

History:

***TGaz Editor: change Figure 9-814 (Format of the TOA Error field) in 802.11REVmd as follows:***



Figure 9-814 —Format of the TOA Error Field

The Invalid Measurement field contains an invalid indication for the TOA field. The Invalid Measurement field is set to 1 to indicate that the TOA value is invalid and the value 0 in this field indicates that the TOA value is valid.

***TGaz Editor: add the following paragraph to the end of the subclause 11.22.6.4.2.4 (HEz Measurement Reporting Part) in 11az\_D0.3\_r1***

In the secured mode of HEz, if RSTA detects abnormal result in the TOA calculation based on a UL NDP from ISTA, for example, receiving the PHY-RXEND.indication(Integrity Check Error) primitive, the RSTA shall set the Invalid Measurement field in the RSTA-to-ISTA LMR frame carrying the TOA measured from the UL NDP to 1; if ISTA-to-RSTA LMR is negotiated and agreed on between the ISTA and RSTA and the ISTA detects abnormal result in the TOA calculation based on a DL NDP from RSTA, for example, receiving the PHY-RXEND.indication(Integrity Check Error) primitive, the ISTA shall set the Invalid Measurement field in the ISTA-to-RSTA LMR carrying the TOA measured from the DL NDP to 1; otherwise the Invalid Measurement field in the RSTA-to-ISTA LMR and the ISTA-to-RSTA LMR shall be set to 0. For the non-secured mode of HEz, the Invalid Measurement field in RSTA-to-ISTA LMR or ISTA-to-RSTA LMR is reserved.

Note: if the Invalid Measurement field in RSTA-to-ISTA LMR or ISTA-to-RSTA LMR is set to 1, the RSTA or ISTA receiving the LMR should discard the TOA carried in the LMR.

***TGaz Editor: add the following paragraph to the end of the subclause 11.22.6.4.4.3 (Measurement Report) in 11az\_D0.3\_r1***

In the secured mode of VHTz, if RSTA detects abnormal result in the TOA calculation based on a UL NDP from ISTA, for example, receiving the PHY-RXEND.indication(Integrity Check Error) primitive, the RSTA shall set the Invalid Measurement field in the RSTA-to-ISTA LMR frame carrying the TOA measured from the UL NDP to 1, and if ISTA-to-RSTA LMR is negotiated and agreed on between the ISTA and RSTA and the ISTA detects abnormal result in the TOA calculation based on a DL NDP from RSTA, for example, receiving the PHY-RXEND.indication(Integrity Check Error) primitive, the ISTA shall set the Invalid Measurement field in the ISTA-to-RSTA LMR carrying the TOA measured from the DL NDP to 1; otherwise the Invalid Measurement field in in RSTA-to-ISTA LMR and ISTA-to-RSTA LMR shall be set to 0. For the non-secured mode of VHTz, the Invalid Measurement field is reserved.

Note: if the Invalid Measurement field in RSTA-to-ISTA LMR or ISTA-to-RSTA LMR is set to 1, the RSTA or ISTA receiving the LMR should discard the TOA carried in the LMR.