IEEE P802.11
Wireless LANs

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| 802.11[802.11az Spec Text for Bidirectional LMR in VHTz and HEz](relative to REVmd D0.5) |
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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: Insert the following paragraph after the Figure 11-xx Illustration of MinToaReady and MaxToaAvailable of subclauses 11.22.6.4.4.3 Measurement Report in 11az\_D0.3\_r1:***

If ISTA-to-RSTA LMR feedback is negotiated and agreed on during negotiation, the VHTz measurement exchange shall follow the sequence shown in Figure 11-xx. After SIFS time of receiving the RSTA-to-ISTA LMR frame, the ISTA shall transmit the ISTA-to-RSTA LMR frame to RSTA. The feedback type of ISTA-to-RSTA LMR could be either immediate or delayed.



Figure 11-xx VHTz Measurement Exchange Sequence with Bidirectional LMR Feedbacks

***TGaz Editor: Modify the first sentence of the last paragraph of subclauses 11.22.6.4.4.3 Measurement Report in 11az\_D0.3\_r1 as follows:***

The data rate or MCS used for delivering ranging report is solely decided by the RSTA and ISTA.

***TGaz Editor: Insert the following paragraph after first paragraph of subclauses 11.22.6.4.2.4 HEz Measurement Reporting Part in 11az\_D0.3\_r1:***

The HEz exchange sequence with support of ISTA-to-RSTA LMR is illustrated in Figure 11-xx. For the details of HEz Polling Part and HEz Range Measurement Sounding Part, please refer to the descriptions in 11.22.6.4.2.2 (HEz Polling Part) and 11.22.6.4.2.3 (HEz Range Measurement Sounding). In the HE Location Measurement Report Part, after SIFS time of sending out the RSTA-to-ISTA LMR using HE MU PPDU, the RSTA transmits a TF frame with type location and sub-type LMR to the ISTA to solicit the ISTA-to-RSTA LMR. If an ISTA is polled by the TF for LMR, after SIFS of receiving the TF for LMR, the ISTA shall response with the ISTA-to-RSTA LMR using the HE TB PPUD format. The feedback type of ISTA-to-RSTA LMR could be either immediate (including measurement for this availability window) or delayed (including measurement for previous availability window). The ISTA reports its ISTA-to-RSTA LMR type to RSTA in the negotiation. When ISTA supports delayed ISTA-to-RSTA LMR, if the ISTA-RSTA LMR for the previous availability window is not ready, the ISTA shall not response to the poll in the HEz polling part of the current availability window.



Figure 11-xx HEz Measurement Exchange Sequence with Bidirectional LMR Feedback for n ISTA