IEEE P802.11
Wireless LANs

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| Passive TB Ranging LMR reporting CR(relative to P802.11az/D1.5 and IEEE 802.11 REVmd D2.4) |
| Date: 2019-11-12 |
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**Abstract**

This submission contains proposals to resolve LB#240 CIDs 2341 and 2343.

Comments:

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| **CID** | **Page** | **Clause** | **Comment** | **Proposed change** | **Resolution** |
| 2341 | 64.04 | 9.4.2.287 | The RSTA Passive Location LMR is likely transmitted with low MCS as it is used to broadcast LMR information. For this reason the 'RSTA Passive Location Measurement Report Element' should have a very small byte count. | Given that a STA doing passive locationing does only require the time difference of a TOA and TOD timestamp, the proposal is: Introduce another Type "time difference" in which case the time stamp field holds a time difference of TOA and subsequent TOD. The error field would need to be multiplied by 2 in this case, i.e. 2Emax. When implemented this saves signaling of N/2 time stamps | Reject. The group considered various mechanisms to provide measurement information to PSTAs considering power, medium efficiency and simplicity and converged on the described mechanism. There is also a benefit in keeping the time-stamp format for Passive TB Ranging similar to that of TB Ranging.  |
| 2343 | 64.14 | 9.4.2.286 | The ISTA Passive Location LMR is likely transmitted with low MCS as it is used to broadcast LMR information. For this reason the 'RSTA Passive Location Measurement Report Element' should have a very small byte count. | Given that a STA doing passive locationing does only require the time difference of a TOA and TOD timestamp, the proposal is: Introduce another Type "time difference" in which case the time stamp field holds a time difference of TOA and subsequent TOD. The error field would need to be multiplied by 2 in this case, i.e. 2Emax. When implemented this saves signaling of N/2 time stamps | Reject. The group considered various mechanisms to provide measurement information to PSTAs considering power, medium efficiency and simplicity and converged on the described mechanism. There is also a benefit in keeping the time-stamp format for Passive TB Ranging similar to that of TB Ranging. |