IEEE P802.11
Wireless LANs

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| LB240 - Various CID resolutions |
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Abstract

This document proposes resolutions to various CID in LB240. The changes described here are in relation to [1].

TGaz LB240 CIDs addressed: 1514, 1512, 1541, 1546, 1513, 1521, 1522, 1526, 1527, 1529, 1579, 1517, 1569, 1570, 1511, and 1571.

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** | **Topic** |
| 1514 | 126.13 | 11.22.6.4.10 | In the ISTA Passive Location Measurement Report the idea is that the RID of ISTA is captured in the TOD time-stamp. However, if an ISTA is reporting on time stamps in a Polling-Sounding-Reporting triplet where it itself is not transmitting, then it does not have a TOD to report. In this case we need a way to indicate the RID of the measuring ISTA. In the current draft this is not specifed. | Either add a field for the RID of the measuring ISTA in the in ISTA Passive Location Measurement Report or specify that to solve this problem an ISTA may add a TOD time stamp marked as invalid in the ISTA Passive Location Measurement Report so that it that way can report its RID.. | Revised. This is a duplicate of CID 1169 resolved by DCN 11-19/1621r2. TGaz editor, no further action needed. | ISTA P-LMR element |
| 1512 | 106.04 | 11.22.6.4 | We may we need to limit the LTF repetition for passive location ranging. Currently we have no such limit specified. | Look into if we need to specify a limit on the LTF repetition for Passive Location Ranging, and if we do specify such a limit. | Reject. Commenter has withdrawn the comment. | LTF repetition for PTBR |
| 1541 | 64.20 | 9.4.2.287 | The definition of the Time-Stamp Error subfield does not seem very efficient or appropriate. We should consider imprioving on this. | Revisit the definition of the Time-Stamp Error subfield and improve on it. | Reject. Commenter has withdrawn the comment. | FTM Timestamp |
| 1546 | 71.08 | 9.6.7.48 | The definition of the Time-Stamp Error subfield does not seem very efficient or appropriate. We should consider imprioving on this. | Revisit the definition of the Time-Stamp Error subfield and improve on it. | Reject. Commenter has withdrawn the comment. | FTM Timestamp |
| 1513 | 124.15 | 11.22.6.4.10 | We may need to set an EVM requirement for NDPs used in Passive Location Ranging | Look into if we need to specify the EVM requirement for NDPs used in Passive Location Ranging, and if we do specify it. | Reject. Commenter has withdrawn the comment. | EVM for PTBR |
| 1521 | 13.03 | 6.3.56.1 | Figure for the related Passive Location Ranging case describing the sounding exchange for the related Passive Location Ranging case is missing. | Add figure for the related Passive Location Ranging case describing the sounding exchange for the related Passive Location Ranging case. | Reject. Commenter has withdrawn the comment. | MLME |
| 1522 | 13.28 | 6.3.56.1 | Missing note to cover the MLME-FINETIMINGMSMT.request behavior for the Passive Location Ranging case. | Add missing note to cover the MLME-FINETIMINGMSMT.request behavior for the Passive Location | Reject. Commenter has withdrawn the comment. | MLME |
| 1526 | 16.17 | 6.3.56.2.3 | Missing sub-bullet for 'This primitive is generated by the SME to request that a Fine Timing Measurement frame be sent 8 to a peer entity in the context of an active FTM Session. If the FTM session is' for the Passive Location Ranging case. | Add missing sub-bullet. | Reject. Commenter has withdrawn the comment. | MLME |
| 1527 | 17.08 | 6.3.56.2.3 | Missing sub-bullet to 'If there is an active FTM session where the corresponding measurement exchange is' for the Passive Location Ranging case. | Add missing sub-bullet. | Reject. Commenter has withdrawn the comment. | MLME |
| 1529 | 6.3.56.1 | 17.15 | The RSTA Centric EDCA based measurement exchange (11.22.6.4.2), this this primitive that indicates that a Fine Timing Measurement frame has been received also applies to the Passive Location Ranging case. | Add text covering the Passive Location Ranging case. | Revised.Agree in principle that Passive TB Ranging is a variant of TB Ranging. Changes in D1.5 reflect that. Refer to D1.5 page 108, line 22. TGaz editor, no further action needed. | MLME |
| 1579 | 6.3.56.1 | 13.07 | Figure 16-7c (Trigger Based Sounding Exchange for Ranging) also applies for Passive Location Ranging. Text specifying this is missing. | Add text in 'Note 1' to indicate that Figure 16-7c (Trigger Based Sounding Exchange for Ranging) also applies to Passive Location Ranging. | Revised. Passive TB Ranging is a variant of TB Ranging and follows the same rules, unless specified differently. This is clarified in section 11.22.6.4.8.4 in D1.5. TGaz editor, no further action needed. | MLME |
| 1517 | 11.22.6 | 78.22 | It may not be entirely clear in the current standards and draft standard what the requirements are on the clock that the FTM time stamps are derived from. We should review this and if missing add specifications for how the clock that the FTM time stamps are derived from is related to the Tx carrier frequency and over what time intervals the clock is required to be continuous. | Review as per the comment and if missing, add specifications for how the clock that the FTM time stamps are derived from is related to the Tx carrier frequency and over what time intervals the clock is required to be continuous. Add this text in a new section where it is easy to find. In this section also refer to all other rules that relates to this and affects the FTM time stamps. | Reject. Commenter has withdrawn the comment. | FTM Clock |
| 1569 | 11.24.6.6.2 | 127.28 | The session termination section should apply also to Passive Location Ranging. | The session termination section should apply also to Passive Location Ranging. | Revised. Passive Location is a variant of TB Ranging and follows the same rules for termination. This is clarified in D1.5. TGaz editor, no further action needed. | PTBR Termination |
| 1570 | 11.24.6.6.2 | 128.03 | What does the sentence 'At any time during the session the initiating STA terminates the current session and requests a new session with modified ranging parameters (see 11.24.6.5).' mean? | Clarify. | Reject. This is in invalid comment. The commenter is asking for information and not identifying an issue. As a courtesy to the commenter “at any time” means also outside the assigned availability window. | PTBR Termination |
| 1511 | 9.6.7.51 | 74.07 | Is can be useful for the passive STAs (PSTAs) if we explicitly allow the RSTA to report multiple ISTA Passive Location Measurement Reports per ISTA, for different dialog tokens, in the Secundus Broadcast RSTA Passive Location Measurement Report frame. That way if a PSTA misses to come back to the Passive Location Ranging session to get time-stamps reported for earlier measurements, the PSTA can receive these measurements at a later opportunity. There is nothing in the protocol to really limit this so we might as well explicitly allow it. | Allow the RSTA to report multiple ISTA Passive Location Measurement Reports per ISTA, for different dialog tokens, in the Secundus Broadcast RSTA Passive Location Measurement Report frame. | Reject. Commenter has withdrawn the comment. | RSTA historical LMR broadcast |
| 1571 | B.4.4.2 | 165.02 | Entries for Passive Location Ranging is missing in the 'MAC frames' table. | Entries for Passive Location Ranging is missing in the 'MAC frames' table. | Reject. Commenter has withdrawn the comment. | PTBR PICS |

**References:**

**[1] Draft P802.11az\_D1.5**