IEEE P802.11
Wireless LANs

|  |
| --- |
| LB253 LMR frame CR |
| Date: 2021-06-24 |
| Author(s): |
| Name | Affiliation | Address | Phone | Email |
| Erik Lindskog | Samsung | 3655 N 1st St, San Jose, CA 95134 |  | e.lindskog@samsung.com |

Abstract

This document proposes resolutions to TGaz LB253 comments, for the most related to the LMR frame. The changed described here are in relation to [1].

The TGaz LB253 CID addressed in this document are the 4 CIDs:

5220, 5221, 5223, and 5028.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Clause** | **Comment** | **Proposed change** | **Proposed resolution** |
| 5220 | 98.26 | 9.6.7.49 | The SFD stated that "Support of TOA and TOD is mandatory and CSI report is optional for both iSTA and rSTA and is agreed upon during negotiation" | Add CSI report to LMR to be consistent with SFD | Rejected. At some point the group considered adding CSI feedback to the LMR feedback but no proposal has been put forward that the group has agreed upon. |
| 5221 | 100.25 | 9.6.7.49 | CFO parameter is mandatory to be sent in LMR and is being set to 0 in R2I LMR. The 2 bytes could be filled with useful information. In R2I LMR, the CFO Parameter should be sent to help align oscillators between 2 devices. | Remove the sentence: "In R2I LMR, 24 the value of the CFO Parameter field is reserved." | Rejected. The requested feature lies outside the scope of what 802.11az is set out to accomplish. Also, it is reasonable to ask for a more detailed proposal before we make use of these reserved bits. |
| 5223 | 100.25 | 9.6.7.49 | CFO parameter is mandatory to be sent in LMR and is being set to 0 in R2I LMR. The 2 bytes could be filled with useful information. Consider adding Angle of Arrival information to be embedded here. | As in comment | Rejected. The draft spec already have a field in the LMR to report AOA. |
| 5028 | 100.26 | 9.6.7.49 | Modify the text 'The R2I NPD Tx Power and I2R NDP Targer RSSI fields are used in the in R2I LMR as part of the Non-TB ranging measurement exchange, 11.21.6.4.4 (Non-TB Ranging measurement exchange); otherwise their values are reserved' to | The R2I NPD Tx Power and I2R NDP Target RSSI fields are used in the in R2I LMR as part of the Non-TB ranging measurement exchange, 11.21.6.4.4 (Non-TB Ranging measurement exchange) when RSTA and ISTA during negotiation set the R2I TX Power and/or the I2R TX Power fields to value 1; otherwise their values are reserved. | Revised.Agree in principle.TGaz editor, make the changes as shown below in document https://mentor.ieee.org/802.11/dcn/21/11-21-0929-02-00az-lb253-lmr-frame-cr.docx. |

***TGaz Editor: Change the text in Subclause 9.6.7.49 (Location Measurement Report frame format) as follows:***

**9.6.7.49 Location Measurement Report frame format**

<Scroll to P102L14>

When negotiated, the R2I NPD Tx Power and I2R NDP Target RSSI fields are used in the in R2I LMR as part of the Non-TB ranging measurement exchange, 11.21.6.4.4 (Non-TB Ranging measurement exchange), otherwise their values are reserved. (#**5028**)

**References:**

**[1] Draft P802.11az\_D3.1**