IEEE P802.11
Wireless LANs

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| LB240 – ISTA Passive Location Measurement Report Element |
| Date: 2019-11-11 |
| Author(s): |
| Name | Affiliation | Address | Phone | Email |
| Erik Lindskog | Samsung |  |  | e.lindskog@samsung.com |
|  |  |  |  |  |

Abstract

This document proposes resolutions to TGaz LB240 comments related to the Passive Location Measurement Report Element. The changed described here are in relation to [1].

TGaz LB240 CIDs addressed: 1510

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Clause** | **Comment** | **Proposed change** | **Proposed resolution** |
| 1510 | 61.04 | 9.4.2.286 | In Passive Location Ranging the RSTA does not necessarily know how many time-stamps an ISTA has to report. However, over time the RSTA can learn how many time stamps each ISTA has to transmit, assuming the ISTA have a way to tell the RSTA that it was not able to send all its time-stamps. To solve this problem one could add a field in the ISTA Passive Location Measurement Report element to indicate the number of time stamps the ISTA was not able to send. | Add a field in the ISTA Passive Location Measurement Report element to indicate the number of time stamps the ISTA was not able to send. | Revised.See proposed change in this submission. |

***TGaz Editor: Change the text in Subclause 9.4.2.285 (ISTA Passive Location Measurement Report element) as follows:***

**9.4.2.285 ISTA Passive Location Measurement Report element**

The ISTA Passive Location Measurement Report element, defined in Figure 9-1023 (ISTA Passive Location Measurement Report Element), is used to convey measurement results and associated parameters from an ISTA to the RSTA in a Passive Location Ranging exchange.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Element Id | Element Length | Element ID Extension | Dialog Token | CFO | More & N Timestamp Measurement Reports | Timestamp Measurement Reports |
| **Octets:** | **1** | **1** | **1** | **1** | **2** | **1** | **variable** |

**Figure 9-1023 – ISTA Passive Location Measurement Report Element (#**1510)

The Element ID, Length and Element ID Extension fields are defined in 9.4.2.1.

The Dialog Token field identifies the measurement exchange corresponding to which the reported timestamps were measured (see 11.22.6.4.3 Measurement Exchange in TB Mode)

The CFO element indicates the reporting ISTAs carrier frequency offset with respect to the RSTA. The CFO element is a 2 octets long signed integer in two’s-complements format indicating the CFO in units of 0.01 ppm.

The More & N Timestamp Measurement Reports field is defined as depicted in Figure 9-1023b. **(#1510)**

|  |  |  |
| --- | --- | --- |
|  | B0  | B1 B7  |
|  | More | N Timestamp Measurement Reports |
| bits: | 1 | 7 |

**Figure 9-1023b – More & N Timestamp Measurement Reports field (#**1510)

The More subfield is used to indicate that the ISTA has more time stamps ready to report but where not able to fit them in its allocated resources. **(#1510)**

The N Timestamp Measurement Reports subfield is an unsigned integer indicating the number of Timestamp Measurement Reports. The value 0 of the N Timestamp Measurement Reports field is reserved. **(#1378, #1510)**

**References:**

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