**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **Proposed comment resolution for CID R1121 of LB110** |
| Date Submitted | 16 October 2015 |
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| Re: | 802.15.10 Consolidated Comment Entry Form, CID R1121 |
| Abstract | Provides a proposed resolution to CID R1121 |
| Purpose | To be used by the technical editor to apply the necessary changes to the draft to resolve CID R1121 |
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**Comment R1121**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Commenter** | **Page** | **Clause** | **Line** | **Comment** | **Proposed change** |
| Charlie Perkins | 33 | 5.3.1 | 26 | "… to the neighbor in the NT is erased" - what about receiving a frame | Explain why receiving a frame does not maintain neighbor relation |

**Resolution: Revise**

Without the TC IE, there is no way to know if the routing information (depth, PQM, LQM) is up to date. Therefore, a neighbor entry deletion should depend only on whether TC IEs are received.

* ***Insert the following text at the end of l.54 on p.15***

The value of *l2rTCIEInterval* may differ from device to device depending on their sleeping or duty cycling patterns.

* ***Insert the following rows in the NT in Table 3***

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid Range** | **Description** |
| Interval unit | Enumeration | BI, second, minute, hour | Unit of the TC IE interval and the RA IE interval |
| TC IE interval | Integer | 1-63 | Interval between the neighbor’s TC IE transmissions in the unit specified by Interval unit |
| RA IE interval | Integer | 1-63 | Interval between the neighbor’s RA IE transmissions in the unit specified by Interval unit |

* ***Insert the following rows in Table 42 after l2rMLMIEInterval***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Valid Range** | **Description** | **Default** |
| *l2rMaxMissedTcIe* | Integer | 0x00-0xff | Indicates the maximum number of TC IEs a device may miss from a neighbor before removing it from its NT | 3 |

* ***Replace the 5th paragraph of clause 5.3.1 with:***

If a device misses *l2rMaxMissedTcIe* TC IEs from a neighbor, the corresponding entry in the NT is erased.

* ***Remove the l2rMaxSilenceTime row from Table 42***
* ***Move l2rIntervalUnit, l2rTCIEInterval, l2rRAIEInterval, l2rNLMIEInterval from Table 42 to Table 41***

These values are not set per mesh but per device, unless the device uses different intervals on different meshes...