**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |  |
| --- | --- | --- |
| 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 | |
| Source | \*[Verotiana Rabarijaona, Fumihide Kojima], †[Hiroshi Harada]  \*[NICT], †[Kyoto University]  \*[3-4, Hikarino-oka, Yokosuka, 239-0847 Japan], †[36-1 Yoshida-Honmachi, Sakyo-ku, Kyoto 606-8501 Japan] | Voice: [+81-46-847-5075]  Fax: [+81-46-847-5089]  E-mail: [rverotiana@nict.go.jp] |
| 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 | |
| Notice | This document has been prepared to assist the IEEE P802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. | |
| Release | The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15. | |

**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...