**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 R67 of LB104** |
| Date Submitted | 6 July 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 R67 |
| Abstract | Provides a proposed resolution to CID R67 |
| Purpose | To be used by the technical editor to apply the necessary changes to the draft to resolve CID R67 |
| 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 R67**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Commenter** | **Page** | **Clause** | **Line** | **Comment** | **Proposed change** |
| Charlie Perkins | 20 | 5.1.2.5 | 11 | Figure is needed to illustrate the paragraph | Include a new figure |

**Resolution:**

* ***Modify the first paragraph of clause 5.1.2.5 as follows:***

If a device wants to be assigned a short address, it may transmit an Address Assignment Request (AA-RQ) IE to a mesh root with a direct connection to the PAN coordinator. If a mesh root is connected to the PAN coordinator, it informs the devices in the L2R mesh tree with the PAN Coord Connection field in the Descriptor field of the TC IE. The mesh root replies with an Address Assignment Reply (AA-RP) IE. This procedure is illustrated in Figure xx1.

If the PAN coordinator successfully allocated a short address, the AA-RP is sent with a Status field set to 1 and the allocated address is included in the Allocated Address field; otherwise, the Status field is set to 0 and the Allocated Address field is omitted. The TC IE, AA-RQ IE and AA-RP IE are described in 6.2.2, 6.2.14 and 6.2.15 respectively.

* ***Insert the following figure after the first paragraph of 5.1.2.5:***



Figure xx1: Message sequence chart for short address assignment

* ***Modify the second paragraph of clause 5.1.2.5 as follows:***

If a device does not need a previously assigned short address anymore for any reason such as leaving the PAN, it informs the PAN coordinator by transmitting an Address Release (ARel) IE through a mesh root connected to the PAN coordinator. This procedure is illustrated in Figure xx2. The ARel IE is described in 6.2.16.

* ***Insert the following figure after the second paragraph of clause 5.1.2.5:***



Figure xx2: Message sequence chart for short address release