**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **Comment resolution for CID #315, 317, 318, R146, R150 of LB104** | |
| Date Submitted | 27 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 #315, 317, 318, R146, R150 | |
| Abstract | Provides a proposed resolution to CID #315, 317, 318, R146, R150 | |
| Purpose | To be used by the technical editor to apply the necessary changes to the draft to resolve CID #315, 317, 318, R146, R150 | |
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**Comment #315, 317, 318, R146, R150**

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| **CID** | **Commenter** | **Page** | **Clause** | **Line** | **Comment** | **Proposed change** |
| 315 | Rabarijaona Verotiana | 51 | 6.1 | 7 | As per doc. 15-13-0257-06-0000-802-15-4-ana-database the TG10 IEs have been assigned nested IE IDs and therefore should be nested in MLME IEs | Correct the description of the L2R frame formats, delete Fig. 28 and the paragraphs related, correct the IDs in Table 6 and 7 |
| 317 | James Gilb | 51 | 6.2 | 32 | “TBD” isn't appropriate in a balloted draft. | Replace with “to be assinged by the 802.15 ANA prior to Sponsor ballot. |
| 318 | Tero Kivinen | 51 | 6.2 | 42 | The type field is for 1 for Payload IEs, but nothing in the 802.15.4 says why it is so. The type field actually specifies the format of the IE, i.e. short or long, not whether it is payload or header IE. The list of IEs contains Header IEs until one of the Header IE termination IEs is found, and then if it is Header Termination 1 IE then there is Payload IEs after that. The reason for this is that, if the payload is encrypted, then Payload IEs are encrypted, thus you cannot see what the Type flag is before you decrypt the payload, but you do not know where the encrypted payload starts before you know where the header IEs end. So header IEs end at the termination IE, and that is last clear text part of the payload. | "Remove “The Type field set to 1 indicates that the L2R is a payload IE as defined in [15.4] 7.4.3.” |
| R146 | Charlie Perkins | 51 | 6.1 | 7 | "An L2R IE is defined and may be included" ambiguous | Some IEs are not allowed in some frame types. |
| R150 | Charlie Perkins | 51 | 6.2 | 37 | "Group ID" not defined in this document | "Group ID" should be cited from 802.15.5 |

**Resolution: AiP**

* ***Replace clause 6.1 with the following text:***
  1. L2R frame formats

This recommended practice uses the frame formats and the MLME IE provided by IEEE 802.15.4-2015. The MLME IE is used in an EB (IEEE 802.15.4-2015 7.3.1), an EBR (IEEE 802.15.4-2015 7.5.9), an MP frame (IEEE 802.15.4-2015 7.3.5) or a data frame.

The L2R functionalities are enabled with the use of one or more nested IEs inserted in the MLME IE listed in Table 6 and Table 7. Short and long nested IEs are used and are formatted as described in IEEE 802.15.4-2015.

* ***Rename clause 6.2 to L2R nested IEs and delete the following text and figure:***
* ***Modify Table 7 as follows:***

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| --- | --- | --- |
| **Table 7-Sub-ID allocation for the short nested IEs** | | |
| **Sub-ID** | **Name** | **Subclause** |
| 0x37 | L2R-D IE | 6.2.1 |
| 0x38 | TC IE | 6.2.2 |
| 0x39 | NLM IE | 6.2.5 |
| 0x3A | SRA IE | 6.2.7 |
| 0x3B | P2P-RQ IE | 6.2.8 |
| 0x3C | P2P-RP IE | 6.2.9 |
| 0x3D | SLR IE | 6.2.11 |
| 0x3E | E2E ACK IE | 6.2.12 |
| 0x3F | A-RLS IE | 6.2.14 |
| 0x41 | AA-RQ IE | 6.2.15 |
| 0x42 | AA-RP IE | 6.2.16 |

* ***Modify Table 6 as follows:***

|  |  |  |
| --- | --- | --- |
| **Table 6-Sub-ID allocation for the long nested IEs** | | |
| **Sub-ID** | **Name** | **Subclause** |
|  |  |  |
| 0x00 | RA IE | 6.2.6 |
| 0x01 | L2R Routing IE | 6.2.10 |
| 0x02 | DCat IE | 6.2.13 |
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