**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 1095 from LB110** | |
| Date Submitted | 11 November 2015 | |
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| Re: | 802.15.10 Consolidated Comment Entry Form, CID 1095 | |
| Abstract | Provides a proposed resolution to CID 1095 | |
| Purpose | To be used by the technical editor to apply the necessary changes to the draft to resolve CID 1095 | |
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**Comment 1095**

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| --- | --- | --- | --- | --- | --- |
| **Commenter** | **Page** | **Clause** | **Line** | **Comment** | **Proposed change** |
| Tero Kivinen | 18 | 5.1.2.5 | 24 | CID 146 was not handled in the current draft. The CID says Revise, and points to CID 180, which again points me to document 15-15-0447 which do not answer to this comment. | "Explain the relationship between the AA-RQ/AA-RP and the MAC command Association Request/Response. Why do we need a new mechanism to request short addresses. Why is not enough for the L2R routing to use normal MAC command Association/Disassociation. Looking at line 42 the PAN coordinator is still the one doing the short address allocations, so why is this needed? Is it because we cannot somehow route the MAC command messages yet, but how can we then route the AA-RQ/AA-RP messages? |

**Resolution: Revise**

When a device sends an Association Request command to a coordinator, the Association Response command must be received within a *macResponseWaitTime*. However, the maximum value of this PIB attribute does not allow enough time to request a short address to the PAN coordinator.

* ***Insert the following text at the end of 5.1.2.1***

As the maximum *macResponseWaitTime* allowedbetween an Association Request frame and an Association Response frame at the MAC sublayer does not provide enough time to request a short address to the PAN coordinator over multiple hops, short address assignment is conducted after association to the PAN.

* ***Replace Figure 34 with :***



* ***Insert the following after 6.2.2.2***

**6.2.2.3 Tx EUI-64**

The Tx EUI-64 field contains the EUI-64 of the transmitter of the TC IE.

**6.2.2.4 Tx Short Address**

The Tx Short Address field, when present, contains the short address of the transmitter of the TC IE. This field is omitted if the Mesh Address Mode field is set to 1.

* ***Replace the second row of table 3 with:***

|  |  |  |  |
| --- | --- | --- | --- |
| Neighbor EUI-64 | EUI-64 | Any valid EUI-64 address | EUI-64 of the neighbor |
| Neighbor short address | Short address | 0x0000 0xfeff | Short address of the neighbor. Omitted if the L2R mesh operates with EUI-64 |