# 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 #426, 461, 464 of LB104** | | |
| Date Submitted | 12 May 2015 | | |
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| Re: | 802.15.10 Consolidated Comment Entry Form, CID #426, 461, 464 | | |
| Abstract | Provides a proposed resolution to CID #426, 461, 464 | | |
| Purpose | To be used by the technical editor to apply the necessary changes to the draft to resolve CID #426, 461, 464 | | |
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## Comments

| CID | Commenter | Page | Clause | Line | Comment | Proposed change |
|---|---|---|---|---|---|---|
| 426 | Tero Kivinen | 64 | 6.2.7 | 28 | The Source Address field is marked to be 2/8 octets, but nothing in the frame specifies whether it is short or extended address. | |
| 461 | Tero Kivinen | 71 | 6.2.11.1 | 13 | It says here that Source Address field is the original source of the data frame, and that this field uses the same addressing mode as in the MHR. This cannot work. It is possible that the original source device has short address, but the intermediate device in the middle does not have short address, thus needs to use extended address when forwarding the frame, and I assume that in that case the MHR will have its extended address and addressing mode will be extended address. | |
| 464 | Tero Kivinen | 71 | 6.2.11.1 | 19 | It says here that Destination Address field is the original destination of the data frame, and that this field uses the same addressing mode as in the MHR. This cannot work. It is possible that the original destination device has short address, but the intermediate device in the middle does not have short address, thus needs to use extended address when forwarding the frame, and I assume that in that case the MHR will have its extended | |

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| | | | | | address and addressing mode will be extended address. | |

## Resolution: AiP

- ***Insert the following text after the second paragraph of clause 4.2:***

A L2R mesh tree may also be deployed over a small scale PAN (SSPAN) defined as a PAN where the farthest end device from the PAN coordinator is within a limited number of hops away. The mesh root and the PAN coordinator are located in the same device and the L2R mesh tree is connected to a unique entity. An SSPAN aims at low overhead L2R operations performed using the same addressing mode throughout the mesh tree as determined by the address mode used by the mesh root when establishing the mesh tree.

- ***Replace the first sentence of clause 5.4 with:***

The L2R Routing IE is used to achieve routing in the L2R mesh tree. If the L2R mesh tree is deployed over a SSPAN, the Short L2R Routing IE is used.

- ***Modify the first to items of the dashed list in clause 5.4 to:***

— The source address (SA): address of the originator of the frame, included in the Source Address field of the L2R Routing IE or the Short Routing IE.
— The destination address (DA): address of the final destination of the frame, included in the Destination Address field of the L2R Routing IE or the Short Routing IE.

- ***Replace the first sentence of clause 6.2.7 with:***

The SRA IE is used in a SSPAN and is formatted as illustrated in Figure 51.

- ***Replace the last sentence of clause 6.2.11.1 and clause 6.2.11.2 with:***

This field uses the address mode in use in the SSPAN as determined by the mesh root when establishing the mesh tree.