IEEE P802.15
Wireless Personal Area Networks

Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)		
Title	**Comment resolution for CID #320 of LB104**		
Date Submitted	11 May 2015		
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Re:	802.15.10 Consolidated Comment Entry Form, CID #320		
Abstract	Provides a proposed resolution to CID #320		
Purpose	To be used by the technical editor to apply the necessary changes to the draft to resolve CID #320		
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 #320

Commenter	Page	Clause	Line	Comment	Proposed change
Tero Kivinien	51	6.2.1	54	Change the IE format figures so that they only describe the IE Content field, not the full IE.	"i.e. replace “The L2R-D IE is used in an EBR or in an EB and is formatted as illustrated in Figure 29.” with “The L2R-D IE is short nested IE used in an EBR or in an EB and the IE Content field is formatted as illustrated in Figure 29.”

Resolution: AiP

- ***Insert at the end on 6.1***

NOTE – To be consistent with the conventions in IEEE 802.15.4, the Length, Sub-IDs and Type fields are not shown in the nested IE formats used for L2R.

- ***Replace the first paragraph of 6.2.1 with:***

The L2R-D IE is a short nested IE used in an EBR or in an EB. The Content field is formatted as illustrated in Figure 29.

- ***Replace Figure 29 with:***

Octets: 0/1	**Octets: 0/Variable**	**0/2/8**	**0/1**
Descriptor	Entity ID List	Mesh Root Address	Security Level

- ***Replace the first paragraph of 6.2.2 with:***

The TC IE is a long nested IE and the Content field is formatted as illustrated in Figure 32.

- ***Replace Figure 32 with:***

Octets: 0/1/2	0/2/8	0/Variable	0/1	0/1	0/1	0/10	0/1	0/1	0/Variable	0/Variable
Descriptor	Mesh Root Address	Entity ID List	Depth	Sequence Number	TC IE Interval	MCO Descriptor	DAgg Buffering Time	Security Level	PQM List	Path to Root

- ***Replace the first paragraph of 6.2.3 with:***

The STOP-L2R-RQ IE is a short nested IE sent in a MP frame and transmitted along with an L2R Routing IE. The Content field is formatted as illustrated in Figure 41.

- ***Replace Figure 41 with:***

Octet:1
Sequence Number

- ***Replace the first paragraph of 6.2.4 with:***

The STOP-L2R-RP IE is a short nested IE sent in a MP frame and transmitted along with an L2R Routing IE to route the frame between the mesh root and the PAN coordinator. The Content field is formatted as illustrated in Figure 42.

- ***Replace Figure 42 with:***

Octet:1	Bits: 0	1-7
Sequence Number	Status	Reserved

- ***Replace the first paragraph of 6.2.5 with:***

The NLM IE is a long nested IE sent in EB frames. The Content field is formatted as illustrated in Figure 43.

- ***Replace Figure 43 with:***

Bits: 0	1-7	Octets: 1	Variable	…	0/Variable
Address Mode Present	Number of Neighbors	NLM IE Interval	Neighbor Metric Container 1	…	Neighbor Metric Container N

- ***Replace the first paragraph of 6.2.6 with:***

The RA IE is a long nested IE included in a MP frame. The Content field is formatted as illustrated in Figure 46.

- ***Replace Figure 46 with:***

Octets:1	1	2/8	1	1	1	2/8	0/10	0/Variable	1	0/Variable
Descriptor	Entity ID	Mesh Root Address	Depth	Sequence Number	RA IE Interval	Source Address	MCO Fields	Multicast Subscription	Number of Intermediate Addresses	Intermediate Address List

- ***Replace the first paragraph of 6.2.7 with:***

The SRA IE is a short nested IE. The Content field is formatted as illustrated in Figure 51.

- ***Replace Figure 51 with:***

Bit : 0	1-7	Octet: 2/8	1	0/Variable
Vendor Specific Usage	SN or Vendor Specific	Source Address	Number of Intermediate Addresses	Intermediate Address List

- ***Replace the first paragraph of 6.2.8 with:***

The P2P-RQ IE is a short nested IE used in a MP frame. The Content field is formatted as illustrated in Figure 52.

- ***Replace Figure 52 with:***

Octets: 1	2/8	2/8	1	1	4	0/10	0/1	0/Variable
Descriptor	Route Destination Address	Route Source Address	Hop Count	TTL	Sequence Number	MCO Fields	Number of Intermediate Addresses	Intermediate Address List

- ***Replace the first paragraph of 6.2.9 with:***

The P2P-RP IE is a short nested IE sent in a MP frame. The Content field is formatted as illustrated in Figure 54.

- ***Replace Figure 54 with:***

Octets:1	2/8	2/8	0/10	0/1	0/Variable
Descriptor	Route Destination Address	Route Source Address	MCO Fields	Number of Intermediate Addresses	Intermediate Address List

- ***Replace the first paragraph of 6.2.10 with:***

The L2R Routing IE is a long nested IE used in a data frame. The Content field is formatted as illustrated in Figure 56.

- ***Replace Figure 56 with:***

Octets: 2	1	2/8	0/Variable	1	1	1	0/1	0/Variable
Descriptor	Entity ID	Mesh Root Address	Addressing Fields	L2R Sequence Number	TTL	E2E Retry Limit	Number of Intermediate Addresses	Intermediate Address List

- ***Replace the first paragraph of 6.2.11 with:***

The Short L2R Routing IE is a short nested IE used in a data frame in a SSPAN. The Content field is formatted as illustrated in Figure 59.

- ***Replace Figure 59 with:***

Octets:2/8	2/8	1	0/1	0/Variable
Source Address	Destination Address	L2R Sequence Number	Number of Intermediate Address	Intermediate Addresses List

- ***Replace the first paragraph of 6.2.12 with:***

The E2E ACK IE is a short nested IE transmitted with an L2R Routing IE. The Content field is formatted as illustrated in Figure 60.

- ***Replace Figure 60 with:***

Bits: 0	1-7	Octet:1
Status	Reserved	Sequence Number

- ***Replace the first paragraph of 6.2.13 with:***

The DAgg IE is a long nested IE used in data frame. The Content field is formatted as illustrated in Figure 61.

- ***Replace Figure 61 with:***

Bits: 0	1-7	Octets: Variable
Address Mode Present	Reserved	DAgg Content

- ***Change the title of clause*** 6.2.13.2 ***to*** "DAgg Content field"
- ***Replace the first paragraph of 6.2.14 with:***

The AA-RQ IE is a short nested IE used in a MP frame. The Content field is formatted as illustrated in Figure 63.

- ***Replace Figure 63 with:***

Octets: 8
Joining Device Extended Address

- ***Replace the first paragraph of 6.2.15 with:***

The AA-RP IE is a short nested IE used in a MP frame. The Content field is formatted as illustrated in Figure 64.

- ***Replace Figure 64 with:***

Bits: 0	1-7	Octets: 8	0/2
Status	Reserved	Joining Device Extended Address	Allocated Address

- ***Replace the first paragraph of 6.2.16 with:***

The ARel IE is a short nested IE used in a MP frame. The Content field is formatted as illustrated in Figure 65.

- ***Replace Figure 65 with:***

Octets: 2
Short Address

- ***Replace the first paragraph of 6.2.17 with:***

The KMP Relay is a short nested IE used in a MP frame along with a L2R Routing IE. The Content field is formatted as illustrated in Figure 66.

- ***Replace Figure 66 with:***

Bits: 0	1-7	Octets: 2/8
Joining Device Address Mode	Reserved	Joining Device Address