**IEEE P802.15**

**Wireless Personal Area Networks**

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| --- | --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title |  | |
| Date Submitted | 11 March 2011 | |
| Source | [] [BCA] [Los Gatos, CA] | Voice: [+1 408 395 7207 Fax: [ ] E-mail: [ ben @ blindcreek.com ] |
| Re: | TG4e LB 69 comment resolution | |
| Abstract | Figure updates and a few other details that didn’t make it into Draft 3, supporting resolution of ballot comments. | |
| Purpose | Support LB60 Comment Resolution | |
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# Figures 44, 52, 53a, 54, and 54j

The following figures were prepared for Draft 3 but did not make it in. They are consistent with Figure 41 which was included. Replace the figures indicated with the ones below.

***Add new Figure 44a:***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Octets: 1/2 | 0/1 | (see 7.2.2.2.1) | 0/1/5/6/10/14 | variable | | variable | 2 |
| Frame control | Sequence number | Addressing fields | Auxiliary Security Header | Information Elements | | Beacon Payload | FCS |
| Header IEs | Payload IEs |
| MHR | | | | | MAC payload | | MFR |

Figure 44a – Enhanced Beacon frame format

***Figure 52:***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Octets: 2 | 0/1 | (see 7.2.2.2.1) | 0/1/5/6/10/14 | variable | | variable | 2 |
| Frame control | Sequence number | Addressing fields | Auxiliary Security Header | Information Elements | | Data Payload | FCS |
| Header IEs | Payload IEs |
| MHR | | | | | MAC payload | | MFR |

***Figure 53a***

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Octets: 1/2 | 0/1 | 0/2 | 0/1/2/8 | 0/2 | 0/1/2/8 | 0/1/5/6/10/14 | variable | | variable | 2 |
| Frame control | Sequence number | Destination PAN Identifier | Destination Address | Source PAN Identifier | Source Address | Auxiliary Security Header | Information Elements | | Payload | FCS |
| Addressing fields | | | | Header IEs | Payload IEs |
| MHR | | | | | | | | MAC payload | | MFR |

***Figure 54:***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Octets: 2 | 0/1 | (see 7.2.2.2.1) | 0/1/5/6/10/14 | variable | | 1 | variable | 2 |
| Frame control | Sequence number | Addressing fields | Auxiliary Security Header | Information Elements | | Command Frame Identifier | Command  Payload | FCS |
| Header IEs | Payload IEs |
| MHR | | | | | MAC payload | | | MFR |

***Figure 54j***:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Octets: 1/2 | 0/1 | 0/2 | 0/1/2/8 | 0/1/2/8 | 0/1/2/8 | 0/1/5/6/10/14 | variable | | variable | 2 |
| Frame control | Sequence number | Destination PAN Identifier | Destination Address | Source PAN Identifier | Source Address | Auxiliary Security Header | Information Elements | | Payload | FCS |
| Addressing fields | | | | Header IEs | Payload IEs |
| MHR | | | | | | | | MAC payload | | MFR |

# PIB Attributes for EB

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute | Type | Range | Description | Default |
| macEBAutoSA | Enumeration | NONE, SHORT, FULL | Indicates if beacons generated by the MAC in response to EB include source address field | FULL |
| macEAckIElist | List | - | List of additional IEs to be included in enhanced ACKs generated by the device | Empty |