**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |  |
| --- | --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **Contribution to the comment resolution for CID 3145 from LB116 (as comment to 15-16-0323)** | |
| Date Submitted | 4 April 2016 | |
| Source | \*[Noriyuki Sato, Kiyoshi Fukui]  \*[Oki Electric Industry Co., Ltd.]  \*[2-6-8, Bingo-machi, Chuo-ku, Osaka, 541-0051 Japan] | Voice: [+81-6-6260-0700]  Fax: [+81-6-6260-0770]  E-mail: [sato652@oki.com, fukui535@oki.com] |
| Re: | Document 15-16-0299-02 and 15-16-0323-00 | |
| Abstract | Contributes to the resolution to CID 3145 | |
| Purpose | To be used by the technical editor to apply the necessary changes to the draft to resolve CID 3145 | |
| 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. | |

* ***Insert the following new table in 4.4.***

**Table xx: Routing and features?? (caption needs to be refined depending on the text to be added in 4.4.2)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Feature** | **Routing** | | | | |
| Unicast | | | Multicast | Broadcast |
| US | DS | P2P |
| TC IE based route esablishment | Y | Y | N/A | Y | N/A |
| Routing via Sibling (RvS?) | O  5.4.1.2 | O  5.4.1.2 | N | N | N/A |
| MPO (TMCTP) | O  5.4.1.3 | | | N | O |
| RA IE based route establishment | N/A | O.1  5.2.4 | N/A | Y  5.2.6 | N/A |
| Data frame based route establishment | N/A | O.1  5.2.4 | N/A | N/A | N/A |
| End to end acknowledgment | O  5.4.1.5 | | | N | N |
| DCat | O  5.4.1.6 | | | N/A | N/A |
| Non-storing mode | N/A | O.2  5.2.4.2 | O.3  5.2.7.2 |  |  |
| Storing mode | N/A | O.2  5.2.4.1 | O.3  5.2.7.1 | O | N/A |
| Source routing | N | Non-storing mode: Y  Storing mode: O  5.4.1.1 | Non-storing mode: Y  Storing mode: O  5.4.1.1 | N | N |
| Hop-by-hop retransmission | O  5.4.1.4 | O  5.4.1.4 | O  5.4.1.4 | N | N |

O: the feature is optional, N: the feature is not supported

* ***Create a new subclause “5.4.3.1 General case” with the first 3 paragraphs of 5.4.3***
* ***Insert a new subclause as follows:***

**5.4.3.3 Broadcast routing with MPO**

Broadcast routing in an MPO environment is performed as described in 5.4.3.1 or 5.4.3.2 if indirect transmission is enabled by all devices. In addition, each PAN coordinators, with the exception of the SPC, should broadcast a frame on its own channel and on the channel of its parent PAN.