**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |
| --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title |  |
| Date Submitted | October 2024 |
| Source | Carl Murray (Qorvo),  | carl.murray at qorvo.com |
| Re: | CIDs 450, 1171, 1286, 1420 |
| Abstract |  |
| Purpose | To propose resolution for “P802.15.4ab™/D01 Draft Standard for Low-Rate Wireless Networks”. |
| Notice | This document does not represent the agreed views of the IEEE 802.15 Working Group or IEEE 802.15.8 Task Group. It represents only the views of the participants listed in the “Source(s)” field above. 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. |
|  |  |

## CID 450

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Index#** | **Pg** | **Sub-Clause** | **Ln** | **Comment** | **Proposed Change** | **Disposition** |
| Tero Kivinen | 450 | 69 | 10.38.6 | 22 | Provide message sequence charts for the report phase, preferably for all different cases. | Provide message sequence charts | Revised |

Disposition Detail:  *The resolution to comment index #1118 provides a message sequence chart that includes the report phase.* Nothing further needs to be done.

## CID 1171:

This document provides changes to

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Index#** | **Pg** | **Sub-Clause** | **Ln** | **Comment** | **Proposed Change** | **Disposition** |
| Billy Verso | 1171 | 69 | 10.38.6 | 20 | macMmsReportSender is unnecessary I think since I believe that the MAC does not act autonomously to send the report. There are lots of flavours of report, with/without security, with passthrough data, changes to short term operating parameters, etc. and I think that it is really the upper layer that is managing this. Perhaps we want the MAC to remember this piece of upper layer control data. But it should be described as such and not as enabling something in the MAC, unless we are prepared to specify and describe how all the various options are controlled in an autonomous reporting mode. | For autonomous MAC operation, we should hugely reduce the number of MAC options supported by the standard, (messages, methods etc) to make that MAC operation simple to specify and implement, otherwise we will be spending a long time getting the text right,….. | Revised |

**Discussion**

Agree with the commenter that the behaviour that macMmsReportSender is controlling is really in the next higher layer and therefore macMmsReportSender is unnecessary. Therefore the proposal is to remove it.

**Delete the following line on page 69 line 20 –**

~~The~~ *~~macMmsReportSender~~* ~~attribute enables reporting and selects whether the initiator, the responder or both send report packets.~~

**Delete the PIB attribute in Table 20 (page 124)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *~~macMmsReportSender~~* | ~~Integer~~ | ~~0-3~~ | ~~0 – None,~~~~1 – Initiator,~~~~2– Responder,~~~~3 – Responder and Initiator.~~ | ~~3~~ |

## CID 1286:

This document provides changes to

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Index#** | **Pg** | **Sub-Clause** | **Ln** | **Comment** | **Proposed Change** | **Disposition** |
| Billy Verso | 1286 | 192 | 16.2.11.1 | 11 | The text should probably say that the SYNC+SFD (SHR) when present is also on ms boundary, | Add at the end of the paragraph: "The SHR fragment (SYNC and SDF) where present shall begin on the same millisecond grid as the other fragments, i.e., one millisecond offsets before T0, as shown in Figure 198." | Revised |

**Discussion**

Essentially agree with the commenter but I think it is better to refer to the SYNC and SFD fragment rather than SHR as this is a fragment and not a header. Therefore the change is revised to –

"The SYNC and SFD fragment where present shall begin on the same millisecond grid as the other fragments, i.e., one millisecond offset before T0, as shown in Figure 198."

## CID 1286:

This document provides changes to

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Index#** | **Pg** | **Sub-Clause** | **Ln** | **Comment** | **Proposed Change** | **Disposition** |
| Bernhard Großwindhage | 1420 | 192 | 16.2.11.2 | 23 | RSF length is given as 1 to 8. I propose to allow values up to 16. | {1, 2, 4, 8, 16} | Revised |

Disposition Detail:  *This is a duplicate of #964 which has been accepted.* Nothing further needs to be done.