**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **Text for CID resolutions on D2** |
| Date Submitted |  |
| Source |  | Voice: [ ]Fax: [ ]E-mail: [ ] |
| Re: |  |
| Abstract | This document contains text updates for the resolution of comments on draft 2.0 |
| Purpose | Aid comment resolution |
| 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. |
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The following clauses contain proposed resolutions for a number CIDs.

Text in red is an instruction to the technical editor.

# CID 591

*Replace all occurrences of the term “CAP-slot” with the term “CAP opportunity (CAPOP)”*

*Replace P23L20-35 with the following text and figure:*

Detection of a failed transmission in the CAP varies with the procedure and may differ from the acknowledgment procedure defined in XXX. How to detect a failed transmission is defined in 5.3.4.2 and 5.3.4.3 respectively.

If a device detects that a CAP transmission failed, the device shall increment the variable *RC*, representing the retry count, by 1 and double the *CW*. *RC*shall initially be 0. *CW* shall be less or equal to *aMaximumCapCw.* The CAP transmission shall ultimately considered as failed, once *RC*exceeds *macCapMaxRetries.*

Figure 10 shows the generic CAP transmission procedure.

**Figure 10(?) Generic CAP transmission procedure**

*Move P24L1-4 to a new paragraph after P36L33*

*Remove P24L5-7*

*Change P24L10-12 as follows:*

If no *Association Response* element is received within *macAssociationTimeout*, the device shall regard the preceding transmission as failed. In that case, the device may reattempt association through sending the *Association Request* element again as described in **Fehler! Verweisquelle konnte nicht gefunden werden.**. A device shall not attempt association more than *macCapMaxRetries* automatically.

*Change the title of clause 5.3.4.3 as follows:*

**GTS request procedure in the CAP**

*Remove P25L9-11*

 *Remove P25L15-P26L2*

# CID 592

Resolved by resolution to CID 591

# CID 630

Change Table 44 as follows:

Table 44 PM-PHY parameters

|  |  |
| --- | --- |
| Modulation | PAM with 2, 4, 8 or 16 levels |
| FEC | Reed Solomon |
| Line coding | 8B10B, HCM(1-3, 4), HCM(1-7, 8), HCM(1-15, 16) |
| Code Rates | RS(36,24), RS(256,248) |
| Clock rate | 12.5, 25, 50, 100, 200 MHz |
| Cyclic prefix | 160 or 1280 ns |
| OCR | Clock cycle | Data rates with 2-PAM and 8b10b |
| Min. | Max. |
| 12.5 MHz | 80 ns | 9.6 Mb/s | ? Mb/s |
| 25 MHz | 40 ns | ? Mb/s | ? Mb/s |
| 50 MHz | 20 ns | ? Mb/s | ? Mb/s |
| 100 MHz | 10 ns | ? Mb/s | ? Mb/s |
| 200 MHz | 5 ns | ? Mb/s | 726.6 Mb/s |

# CID 638 (bit-order in PM-PHY)

Add the following text after PXLY:

Any block of data or part of it shall be passed over the protocol stack with the octet having the smallest number, i.e., octet 0 shall be the first octet of the block to be passed.

Within each octet, LSB of each octet shall be transmitted first.

# CID 674

Add the following text after PXLY:

[…]

Any block of data or part of it shall be passed over the protocol stack with the octet having the smallest number, i.e., octet 0 shall be the first octet of the block to be passed.

Within each group of octets, LSB (bit 0) of each octet shall be passed first.

[…]