**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **Proposed 4ab Draft C Comments Resolution for SSBD** |
| Date Submitted | February 16 2024 |
| Sources | Larry Zakaib (Spark Microsystems)  larry.zakaib@sparkmicro.com |
| Re: |  |
| Abstract | Proposed comment resolutions for the CIDs 187, 489, 490. |
| Purpose | Proposed resolutions to SSBD comments for “P802.15.4ab™/D (pre-ballot) C Draft Standard for Low-Rate Wireless Networks”. |
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Introduction

This submission contains the proposed comment resolutions for the CIDs 187, 489, 490.

# CID 187

# CID 187

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| **Name** | **Index #** | **Page** | **Sub-clause** | **Line #** | **Comment** | **Proposed Change** | **Disposition Status (Accepted, Rejected, Revised)** | **Disposition Detail** | **Category** |
| Billy Verso | 187 | 17 | 6.2.2.2 | 9 | phyCcaEdThreshold is not defined. | Add it the PIB attribute table with appropriate definition, range, description. | Rejected | Rejected: Resolution Detail: phyCcaEdThreshold is presently defined in Table 12-2 in RevME D03. | SSBD |

Extract of Table 12-2 of IEEE P802.14.4me/D03.

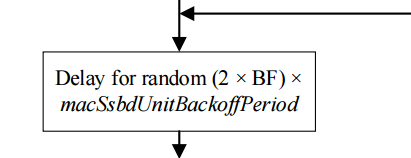
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Description automatically generated

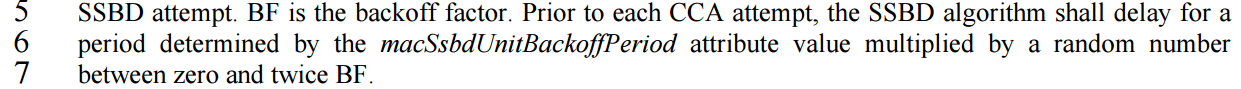
# CID 489

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| Tero Kivinen | 489 | 16 | 6.2.2.2 | 1 | why is the "Delay for random" has "2 x BF x macSsbdUnitBackoffPeriod", would it not be more logical to have just BF x macSsbdUnitBackoffPeriod, and use macSsbdUnitBackoffPeriod that has double the value than before? | Explain why it is 2 x BF, or remove 2 x. | Revised | Revised: Agree to remove 2x BF as follows: - Remove 2x in P16 Figure 1 - P16, Line 7, remove "twice" - In Table 8-35: change macSsbdUnitBackoffPeriod range from 1-31 to 1-63 | SSBD |

Page 16, Figure 1



Page 16, Line 7



Page 23, Table 8-35



# CID 490

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| Tero Kivinen | 490 | 15 | 6.2.2.2 | 8 | the macSsbdCcaDuration is not mentioned anywhere in the CCA text. | Perhaps add new entry to the list at the end of 11.2.8 or modify step b) where the phyCcaDuration to include macSsbdCcaDuration, not just provide reference to the 6.2.2.2. | Revised | Revised: There is no need for a MAC attribute *macSsbdCcaDuration* as this is (now) defined as a PHY attribute in the base standards (Rev E D03).  - Change macSsbdCcaDuration to phyCcaDuration in 6.2.2.2 (P15, line 8) - Delete macSsbdCcaDuration row in Table 8-35 - In section 11.2.8, P147, line 21, remove "Except when SSBD is being used" - In section 11.2.8, P147, lines 22 & 23, remove "When SSBD is being used, the CCA detection time shall comply with the specification in 6.2.2.2." | SSBD |

