**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |
| --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **Proposed Resolution on AC IE Comments** |
| Date Submitted | October 2023 |
| Sources | Bin Qian, Lei Huang, David Xun Yang (Huawei)  |  |
| Re: |   |
| Abstract |  |
| Purpose | To propose resolution to AC IE comments for “P802.15.4ab™/D (pre-ballot) B 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 802.15.4ab Task Group. It represents only the views of the participants listed in the “Sources” field above.It is offered as a basis for discussion and is not binding on the contributing individuals. The material in this document is subject to change in form and content after further study. The contributors reserve the right to add, amend or withdraw material contained herein. |

***Comment Index #206 in 15-23-0475-13-04ab-cc-consolidated-comments***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Commenter** | **Sub-Clause** | **Page** | **Line** | **Comment** | **Proposed Change** |
| Pooria Pakrooh | 10.36.7.1 | 87 | 6 | RSSI representation needs to be defined. | Refer to section 10.25.2.8 of 802.15.4me, for RSSI range and resolution. |

**Resolution: Revised, basically agree with commenter**

**Proposed text changes on P802.15.4ab™/D (pre-ballot) B:**

**10.36.7 Nested IEs for sensing**

**10.36.7.1 Application Control IE (AC IE)**

*Change Line 6 on page 87 as follows*

The RSSI field is a measure of the received signal strength at the antenna for the received sequence used to generate this Receive Report field, e.g., for a SENS segment being received via a particular antenna. RSSI is represented as one octet integer. The RSSI minimum and maximum values are 0 (-174 dBm) and 254 (80 dBm), respectively. 255 is reserved. If any measured value is less than -174 dBm, the reported value shall be rounded up to -174 dBm.

***-------------------------------------------------------------------------------------------------------------------------------***

***Comment Index #184 in 15-23-0475-13-04ab-cc-consolidated-comments***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Commenter** | **Sub-Clause** | **Page** | **Line** | **Comment** | **Proposed Change** |
| Pooria Pakrooh | 10.36.7.1 | 77 | 7 | All "TBD"s in Figure 74 need to be replaced with "variable". | Change "TBD"s to "variable". |

**Resolution: Revised, no change is needed since this comment has been solved by the approved document 15-23-0462-00-04ab-proposed-updates-for-10.36**

***-------------------------------------------------------------------------------------------------------------------------------***

***Comment Index #186 in 15-23-0475-13-04ab-cc-consolidated-comments***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Commenter** | **Sub-Clause** | **Page** | **Line** | **Comment** | **Proposed Change** |
| Pooria Pakrooh | 10.36.7.1 | 81 | 8 | In Figure 82, number of octets for "common sensing control" should be "0/variable". | In Figure 58, change the number of octets for "common sensing control" to "0/variable". |

**Discussion**：

The number of bits occupied by the Common Sensing Control field is 1 octet shown in Figure 83.

**Resolution: Reject**

***-------------------------------------------------------------------------------------------------------------------------------***

***Comment Index #185 in 15-23-0475-13-04ab-cc-consolidated-comments***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Commenter** | **Sub-Clause** | **Page** | **Line** | **Comment** | **Proposed Change** |
| Pooria Pakrooh | 10.36.7.1 | 80 | 28 | "Enhanced HPRF" mode is not defined in the draft. | Clarify what "Enhanced HPRF" mode is. |

**Resolution: Revised. The enhanced HPRF mode ERDEV actually refers to HRP-ARDEV.**

**Proposed text changes on P802.15.4ab™/D (pre-ballot) B:**

*Change Line 28 on page 80 as follows*

If the AC IE and the ARC IE, (defined in 10.29.9.1), are both present in the same RCM, the ranging parameters for HRP-ARDEV(s) (defined in 16.1) are jointly configurated by the AC IE and the ARC IE, and the ranging parameters for HRP-ERDEV(s) in HPRF mode are configurated by the ARC IE. Particularly, the Common Ranging Control Present field is set to zero to indicate that the Common Ranging Control field is not present.