**IEEE P802.15**

**Wireless Specialty Networks**

|  |  |  |  |
| --- | --- | --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Specialty Networks (WSNs) | | |
| Title | **Comment Resolution Content with Formatting** | | |
| Date Submitted | [September 19, 2019] | | |
| Source | Benjamin A. Rolfe | E-mail: ben.rolfe @ ieee.org |
| Re: | Letter Ballot 161 Comment Resolution | | |
| Abstract | **Resolutions and resolution detail (with formatting)** | | |
| Purpose | **Provide technical editor with comment resolutions in an easy to use form** | | |
| 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. | | |

Comments addressed:

r1-0006 Rejected

r1-0013 Revised

r1-0014 Revised

r1-0015 Revised

r1-0016 Revised

r1-0038 Revised

r1-0039 Revised

r1-0675 Revised

r1-0695 Revised

r1-0006 and r1-0014: reject with detail:

Per the reference section, an implementation is compliant if supports only the value indicating no FoM is available (no information is provided about the quality of a ranging measurement).

r1-0006: revised with detail:

Replace changes to clause 5.7.3 Frame structure with:

*Change paragraph 2 of 5.7.3 as shown:*

The MAC frames are passed to the PHY as the PHY service data unit (PSDU), which becomes the PHY payload. The typical structure of a PPDU is illustrated in Figure 5-9.

*Change paragraph 3 of clause 5.7.3 as shown:*

The format of the ~~SHR and PHR~~ PPDU is defined for each of the PHYs in their respective clause.

r1-0015, r1-0016 (6.9.1.1) Revised, with detail:

Change the last sentence of the first paragraph of 6.9.1.1 to:

Ranging results may include transmit and receive ranging counter values, ranging FoM, AoA information, ranging tracking interval and ranging tracking offset values.

r1-0038 Revised with detail:

Replace 6.9.1.6.2 with:

The ranging tracking offset provides information on differences between the transmitter and receiver reference oscillator frequencies. The value is a signed integer. The sign shall be 0 when the oscillator at the transmitter operates at a higher frequency than the oscillator at the receiver, and the sign shall be 1 when the oscillator at the transmitter operates at a lower frequency than the oscillator at the receiver. The value represents the difference in frequency between the receiver’s oscillator and the transmitter’s oscillator after the tracking offset integer is divided by the ranging tracking interval integer of 6.9.1.6.3. The precision shall be at least 19 bits.

r1-0039 Revised with detail:

Replace 6.9.1.6.3 with:

The ranging tracking interval is an unsigned integer value which represents duration in a message exchange over which the tracking offset was measured. The size precision of the time period that shall be smaller than 128 times the ranging counter time unit specified in 6.9.1.4. Greater precision is encouraged, as described in 23 “Applications of IEEE Std 802.15.4” [B3].

r1-0675 8.2.10.3 Revised, change to:

Reports the time at which the receiver disable occurred. For an ERDEV, the time is reported in RSTU. For a non-ERDEV, the time is reported in symbols.

r1-0695 8.3.1 Revised with detail:

Change first sentence in 8.3.1 as follows:

The MCPS-DATA.request primitive requests ~~the transfer of data~~ transmission to another device.

Add sentence after 2nd paragraph of 6.7.2 Reception and rejection:

When the receiver is configured to receive an SP3 packet the filtering in this Subclause is not applied.