**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 comment resolutions for i-32, i-84 from the sponsor ballot | |
| Date Submitted | [28 July, 2016] | |
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| Re: | [Proposed comment resolutions for the sponsor ballot] | |
| Abstract | Comment resolutions are proposed for comments i-32, i-84 from the sponsor ballot | |
| Purpose | [Resolve comment for i-32, i-84 from the sponsor ballot] | |
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**Comments**

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| **CID** | **Page** | **Clause** | **Line** | **Comment** | **Proposed change** |
| i-32 | 37 | 5.2.2.1 | 28 | "15.4 allows the MAC sublayer to report the RSSI (received signal strength indicator) to the next higher layer (in this cas L2R) | Specify if the signal strength can be interpreted as the RSSI from the MAC sublayer. In that case, make sure their respective units match. |
| i-84 | 38 | 5.2.2.1 | 20 | The text says that value 256 is the maximum possible value for the RSW, but if it is 8-bit value, maximum value that can be represented is 255, not 256 (i.e., range from 0-255), so is the LQM calculated from the RSW metric by substracting MINRSW from there or what? The text later says that if LQM value of the device is 0xff, then it is assumed to be infinity, i.e. 0xffff is stored to the PQM. | Should the 256 be 255 or what? |

1. **Proposed resolution for CID i-32**

* ***Modify the text in 5.2.2.1, page 37 as follows:***

*Pmax the maximum feasible value for received signal strength~~, measured in mW~~*

*Pmin the minimum feasible value for received signal strength~~, measured in mW~~*

*Pmeas the measured value for received signal strength~~, measured in mW~~*

* ***After line 2 on page 38, add text in 5.2.2.1 as follows:***

The RSSI as reported by the 802.15.4 MAC sublayer can be used to measure the received signal strength. In this case, *Pmin* = 0 and *Pmax* = 255.

* ***Modify the text in* Table 51—L2IB attributes (page 124) *as follows:***

|  |  |  |  |
| --- | --- | --- | --- |
| *l2rPmax* | Integer | ~~Milliwatts~~ --- | Maximum measurable received signal strength ~~in milliwatts~~ |
| *l2rPmin* | Integer | ~~milliwatts~~ --- | Minimum measurable received signal strength ~~in milliwatts~~ |

1. **Proposed resolution for CID i-84**

* ***Modify the text in 5.2.2.1 as follows:***

For the RSW metric, *MaxRSW* = 255 and *MinRSW* = 1, requiring only 8 bit values for *μ*(*P*). 25~~6~~5 is the maximum possible value of the RSW, and is reserved to mean infinity.