**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 resolution for CID 373, 375, 376** | |
| Date Submitted | 18 August 2015 | |
| Source | \*[Verotiana Rabarijaona, Fumihide Kojima], †[Hiroshi Harada]  \*[NICT], †[Kyoto University]  \*[3-4, Hikarino-oka, Yokosuka, 239-0847 Japan], †[36-1 Yoshida-Honmachi, Sakyo-ku, Kyoto 606-8501 Japan] | Voice: [+81-46-847-5075]  Fax: [+81-46-847-5089]  E-mail: [rverotiana@nict.go.jp] |
| Re: | 802.15.10 Consolidated Comment Entry Form, CID 373, 375, 376 | |
| Abstract | Provides a proposed resolution to CID 373, 375, 376 | |
| Purpose | To be used by the technical editor to apply the necessary changes to the draft to resolve CID 373, 375, 376 | |
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**Comment CID CID 373, 375, 376**

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| **CID** | **Name** | **Page** | **Sub-clause** | **Line #** | **Comment** | **Proposed Change** |
| 373 | Noriyuki Sato | 58 | 6.2.2.10 | 32 | Using SINR as LQM is not good idea since PQM is calculated by adding LQMs. | Consider using dB and make it integer type and some normalize to represent SINR metric. |
| 375 | Billy Verso | 58 | 6.2.2.10 | 38 | SINR is not defined anywhere | Define SINR, and describe what it is and how it is used. |
| 376 | Kiyoshi Fukui | 58 | 6.2.2.10 | 38 | Need a definition of an unit to be represented in. Maybe, dB is appropriate. If an unit is dB, the type of SINR metric should be Integer. | Refine the SINR definition. |

**Resolution: Revise**

Remove the SINR as a metric and provide a way to handle signal strength related metric

* ***Insert the following new clause before 5.2.2.1***

5.2.2.x. Signal quality scale (SQS)

An implementer may use this metric to represent a signal quality related metric such as the RSSI, SINR, SNR, etc. The values of the selected metric are mapped on a scale ranging between 1 and 10. A low value on the scale indicates a good signal quality and a high value indicates a poor signal quality. The selection of the signal quality related metric and the mapping between its values and the scale is out of the scope of this document.

* ***Replace the SINR row in Table 11 with:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Value** | **Name** | **Description** | **Type** | **Length in octets** |
| 1 | SQS | See 5.2.2.x | Integer | 2 |

* ***Insert a new acronym for SQS is clause 3.2***