**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title |  | |
| Date Submitted | [14 November, 2013] | |
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| Re: |  | |
| Abstract | [Working draft of SRU PAR] | |
| Purpose | [For discussion] | |
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**PAR**

**1.1 Assigned Project Number:** P802.15.4\_ (to be assigned by IEEE-SA)

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

**2.1 Title:**IEEE Standard for Local and metropolitan area networks--Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANs)  
Amendment: Radio Resource Measurement and Management Interface and Data Structures for Efficient Spectrum Resources Usage in WPANs

**3.1 Working Group:**Wireless Personal Area Network (WPAN) Working Group (C/LM/WG802.15)

**3.2 Sponsoring Society and Committee:**IEEE Computer Society/LAN/MAN Standards Committee (C/LM)

**4.1 Sponsor Balloting Information:** Individual

**4.2 Expected Date of submission of draft to IEEE-SA for Initial Sponsor Ballot:** July, 2016

**4.3 Projected Completion Date for Submittal to RevCom:** July, 2017

**5.1 Approximate number of people expected to be actively involved in the development of this project:** 30

**5.2 Scope of the proposed standard:**This amendment to IEEE Std 802.15.4defines logical interface and supporting data structures used for information exchange for radio resource measurement and management .

**5.3 Is the completion of this standard dependent upon the completion of another standard:** No

**5.4 Purpose:**The purpose of this amendment is to define radio resource measurement and management interfaces and data structures in 802.15.4 WPANs that will facilitate efficient spectrum resources usage in WPAN operational frequency bands.

**5.5 Need for the Project:**As various wireless systems are deployed in the shared and license exempt frequency bands including 2.4GHz and 915MHz bands, heavy interference has been occurred that limits the performance of the wireless systems. In order for these wireless systems to operate in better quality, a standardized set of interfaces and data structures is needed for radio resource measurement and managemnet to achieve more efficient spectrum resource utilization.

**5.6 Stakeholders for the Standard:**wireless device manufacturers, equipment manufacturers, wireless sensor application developers, and users.

**6.1 Intellectual Property**

**a. Is the Sponsor aware of any copyright permissions needed for this project?:** No

**b. Is the Sponsor aware of possible registration activity related to this project?:** No

**7.1 Are there other standards or projects with a similar scope?:** No

**7.2 Joint Development - Is it the intent to develop this document jointly with another organization?:** No

**7.3 International Standards Activities**

**a. Adoptions - Is there potential for this standard to be adopted by another organization?:** No

**b. Harmonization - Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?:** No

**7.4 Does the sponsor foresee a longer term need for testing and/or certification services to assure conformity to the standard?:** No

**Additionally, is it anticipated that testing methodologies will be specified in the standard to assure consistency in evaluating conformance to the criteria specified in the standard?:** No

**8.1 Additional Explanatory Notes (Item Number and Explanation):**