**Submitter Email:** apurva\_mody@yahoo.com
**Type of Project:** Amendment to IEEE Standard 802.22-2011

**1.1 Project Number:** P802.22c
**1.2 Type of Document:** Standard
**1.3 Life Cycle:** Full Use

**2.1 Title:** Standard for Information technology-- Local and metropolitan area networks-- Specific requirements-- Part 22: Cognitive Wireless RAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Policies and procedures for operation in the TV Bands Amendment: Spectrum Sensing Information Representation, Dissemination and Fusion

**3.1** **Working Group:** Wireless Regional Area Networks Working Group (C/LM/WG802.22)
**Contact Information for Working Group Chair**
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**3.2** **Sponsoring Society and Committee:** IEEE Computer Society/LAN/MAN Standards Committee (C/LM)
**Contact Information for Sponsor Chair**
   **Name:** Paul Nikolich
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**4.1 Type of Ballot:** Individual
**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:** 11/2014
**4.3 Projected Completion Date for Submittal to RevCom:** 05/2015

**5.1 Approximate number of people expected to be actively involved in the development of this project:** 20
**5.2.a. Scope of the complete standard:** This standard specifies the air interface, including the cognitive medium access control layer (MAC) and physical layer (PHY), of point-to-multipoint wireless regional area networks comprised of a professional fixed base station with fixed and portable user terminals operating in the VHF/UHF TV broadcast bands between 54 MHz to 862 MHz.

**5.2.b. Scope of the project:** This amendment adds new material to Clause 10 of the IEEE 802.22-2011 on cooperative spectrum sensing. This amendment adds new material on Spectrum Sensing Information Representation, Dissemination and Fusion.

**5.3 Is the completion of this standard dependent upon the completion of another standard:** No
**5.4 Purpose:** This standard is intended to enable deployment of interoperable IEEE 802(R) multivendor wireless regional area network products, to facilitate competition in broadband access by providing alternatives to wireline
broadband access and extending the deployability of such systems into diverse geographic areas, including sparsely populated rural areas, while preventing harmful interference to incumbent licensed services in the TV broadcast bands.

**5.5 Need for the Project:** TBD

**5.6 Stakeholders for the Standard:** TBD

**Intellectual Property**
**6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?:** No
**6.1.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?:** Yes
**If Yes please explain:** P1900.6

**and answer the following**   **Sponsor Organization:** DYSPAN-SC
   **Project/Standard Number:** P1900.6
   **Project/Standard Date:** 02-Feb-2011
   **Project/Standard Title:** IEEE Standard for Spectrum Sensing Interfaces and Data Structures for Dynamic Spectrum Access and Other Advanced Radio Communication Systems
**7.2 Joint Development**
   **Is it the intent to develop this document jointly with another organization?:** No

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