IEEE P802.22  
Wireless RANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Meeting Minutes of the Spectrum Characterization and Occupancy Sensing | | | | |
| Date: 2016-06-17 | | | | |
| Author(s): | | | | |
| Name | Company | Address | Phone | email |
| Roger Hislop | Internet Solution |  |  | [roger.hislop@is.co.za](mailto:roger.hislop@is.co.za) |
|  |  |  |  |  |

Abstract

This document provides the minutes of the Spectrum Characterization and Occupancy Sensing Ad-hoc held on

**Year 2016** – June 17, 2016

**1. June 17th 2016 – Spectrum Characterization and Occupancy Sensing  
Ad-Hoc Conference Call Meeting Minutes**

**Notice:** This document has been prepared to assist IEEE 802.22. 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 grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE’s name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE’s sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.22.

**Patent Policy and Procedures:** The contributor is familiar with the IEEE 802 Patent Policy and Procedures

<[**http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf**](http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf)>, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair <[**Carl R. Stevenson**](mailto:carl.stevenson@ieee.org)> as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.22 Working Group. **If you have questions, contact the IEEE Patent Committee Administrator at <**[**patcom@ieee.org**](mailto:patcom@ieee.org)**>**.

1. Attendance

Jerry Kalke (JK), CBS

Jesse Caulfield (JC), Keybridge

Dirk Grunwald, DG, Uni of Colorado

Nirajan ?, Keybridge (gathered data for presso)

Gianfranco Miele (GM), University Pegaso

Gianni Cerro (GC), University Pegaso

Nilesh Khambekar (NK), University at Buffalo

Roger Hislop (RH), TG chair, Internet Solutions

Winston Caldwell (WC), 21st Century Fox

Mike Cotton (MC), NTIA

2.1 Agenda

* Attendance
* IEEE norms and processes
* Discussion
* New business

Minutes and Discussions

* Meeting started at 14h00 UTC
* The IEEE 802.22.3 Task Group Chair took the attendance
* Chair asked if everyone attending was familiar with the IEEE patent policy – No one seemed to be unfamiliar with the IEEE Patent Policy
  + <http://standards.ieee.org/board/pat/pat-slideset.pdf>
* Chair reiterated the IEEE prohibition of commercial discussion and early disclosure of Intellectual Property, and meeting commenced.
* Task Group process:
  + Minutes were reviewed of pervious meeting (4th June)
  + Move to approve minutes: Jerry moved, seconded Mike. No objection, so meeting minutes approved.
* Task Group planning:
  + GM and GC from Uni Pegaso presented their project using an Ettus E310 running multiple sensing algorithms feeding into a Cloud back end. This presso will be uploaded to Mentor for reference.
    - Note: presso is not yet uploaded, waiting for clarity from IEEE on policy relating to presenting “not previously published” work at IEEE conferences.
  + JC presented work done by Keybridge to understand some of the metrics and parameters manufacturers use in their datasheets to spec their products. This was discussed, and proposal is that TG members review the spreadsheet and work out where there are metrics that are common (albeit with differing descriptions) and how to align units of measurement, definitions (spreadsheet has been uploaded to Mentor).
  + RH had circulated a new version of proposed 802.22.3 draft that now includes material from 802.22 that could be included as part of .3 standard. Comments were that TG should err on the side of caution in including such material to keep the .3 standard as lean as possible.
  + Discussion as to who would be attending ISART conference in Boulder in August. MC will be arranging a 802.22.3 Task Group meeting on Monday 1st August (TBC)
* Meeting was adjourned at 15h20 UCT

Next call will be July 1st