IEEE P802.22  
Wireless RANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Meeting Minutes of the Spectrum Characterization and Occupancy Sensing | | | | |
| Date: 2017-01-05 | | | | |
| 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** – January 5, 2017

**1. January 5th 2017– 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

Gianni Cerro (GC), University of Cassino and Southern Lazio

Gianfranco Miele (GM), University of Cassino and Southern Lazio

Roger Hislop (RH), TG chair, Internet Solutions

John McGinn (JM), Cognitive Systems

Oliver Holland (OH), Kings College London

William Suriaputra (WS), Cognitive Systems

Li Li (LL), ISED Canada

Nilesh Khambekar (NK), University at Buffalo

Mike Cotton (MC), NTIA

Ken Baker (KB), 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
  + Meeting minutes from meeting of November 24th reviewed and call for approval.
  + Moved by AM, seconded by OH, no objections, so approved.
* Task Group planning:
  + Design discussion on architecture and core functionality
    - Key to the SSM being able to advertise to users what resources are available is that SSM must have record of SSD parameters/metrics.
    - Can we lock the resource so that they have a unique config/params set.
    - Proposal made for Classes of metadata to reduce traffic and storage requirements, Class A metadata is for hard/fixed parameters that should not change (e.g. device ID, hardware config, antenna type, etc) // Class B is for parameters configured per device (antenna orientation, sweep range, etc) // Class C are scan/user dependent (swept freq, sensing algorithm, location, user info, etc).
    - Users can then choose which class of metadata get transmitted when scheduling scans
* Meeting was adjourned at 15h00 UTC, next meeting to be held 19 January 2017.