IEEE P802.22
Wireless RANs

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| Meeting Minutes of the Spectrum Characterization and Occupancy Sensing |
| Date: 2017-06-22 |
| Author(s): |
| Name | Company | Address | Phone | email |
| Roger Hislop | Internet Solution |  |  | roger.hislop@is.co.za  |
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Abstract

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

**Year 2017** – June 22

**1. June 22th 2017–Spectrum Characterization and Occupancy Sensing Conference Call Meeting Minutes**

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1. Attendance

Roger Hislop (RH), TG chair, Internet Solutions

Nilesh Khambekar (NK), SpectrumFi

Ken Baker (KB), NTIA

Carl Crosswhite (CC), NTIA

Gianfranco Miele (GM), Unicas

Gianni Cerro (GC). Unicas

Mike Cotton (MC), NTIA

Jerry Kalke (JK), CBS

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 of June 8 meeting reviewed, motion for accepting from NK, seconded by JK, so accepted.
* Task Group planning:
	+ GM, GC reviewed their submissions on metadata definition – adding where necessary and removing some outdated/redundant material
	+ Discussion as to harmonising 802.22.3 with P1900.6. OH to arrange a joint session between groups to allow .3 to establish a “minimum set” of metadata items suitable to SCOS systems.
	+ Key is to use similar formatting of definition, terminology and units to aloow users of various systems to be sure metadata is describing similar environments
	+ Proposal within metadata is classes to describe metadata related to sensing environment, sensing systems and users; and that all metadata fields are compulsory to implement to ensure consistent and considered use of metadata to promote data quality
	+ Discussion of element and interface description in the architecture – that “Tasking Agent” and “Data Client” (aka “Data Receive Point”) are not system entities, but actors interacting with entities through the respective API.
	+ Reiteration that the architecture should emphasise the separation between Control Plane and Data Plane. In the 802.22.3 architecture southbound instructions from the Tasking Agent, as well as northbound acknowledgements/errors, are Control Plane, northbound messages of sensing data from SD towards DC are Data Plane.
	+ With this in mind, Control Plane messages would be synchronous via API, Data Plane would be asynchronous via a messaging protocol. In all cases, instructions would be defined as JSON messages, handed off via a transport mechanism that is left to the SCOS system implementor.
* Meeting was adjourned at 15h00 UTC, next meeting to be held 6th July 2017.