IEEE 802.22 Status for IEEE TCCN at IEEE Globecom 2017

December 2017

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802.22 Completed Projects

802.22-2011- Flagship Standard on Cognitive Wireless Regional Area Networks – Commercial Name Wi-FAR®, Uses Television Band unused channels, so called WhiteSpaces to provide long and short distance broadband connectivity

802.22.1-2010 – Standard on Beaconing for co-existence. Uses beaconing technology from the primary users to alert the secondary users that the channel is being used

802.22.2 – Recommended practice for installation and deployment of IEEE 802.22 Networks

802.22a-2014 – Amendment to the IEEE 802.22 Standard on Management Information Base (MIB)s and Management Plane procedures

802.22b-2015 – Amendment to the IEEE 802.22 Standard for Enhancement for Broadband Enhancements for the Broadband Services and Monitoring Applications
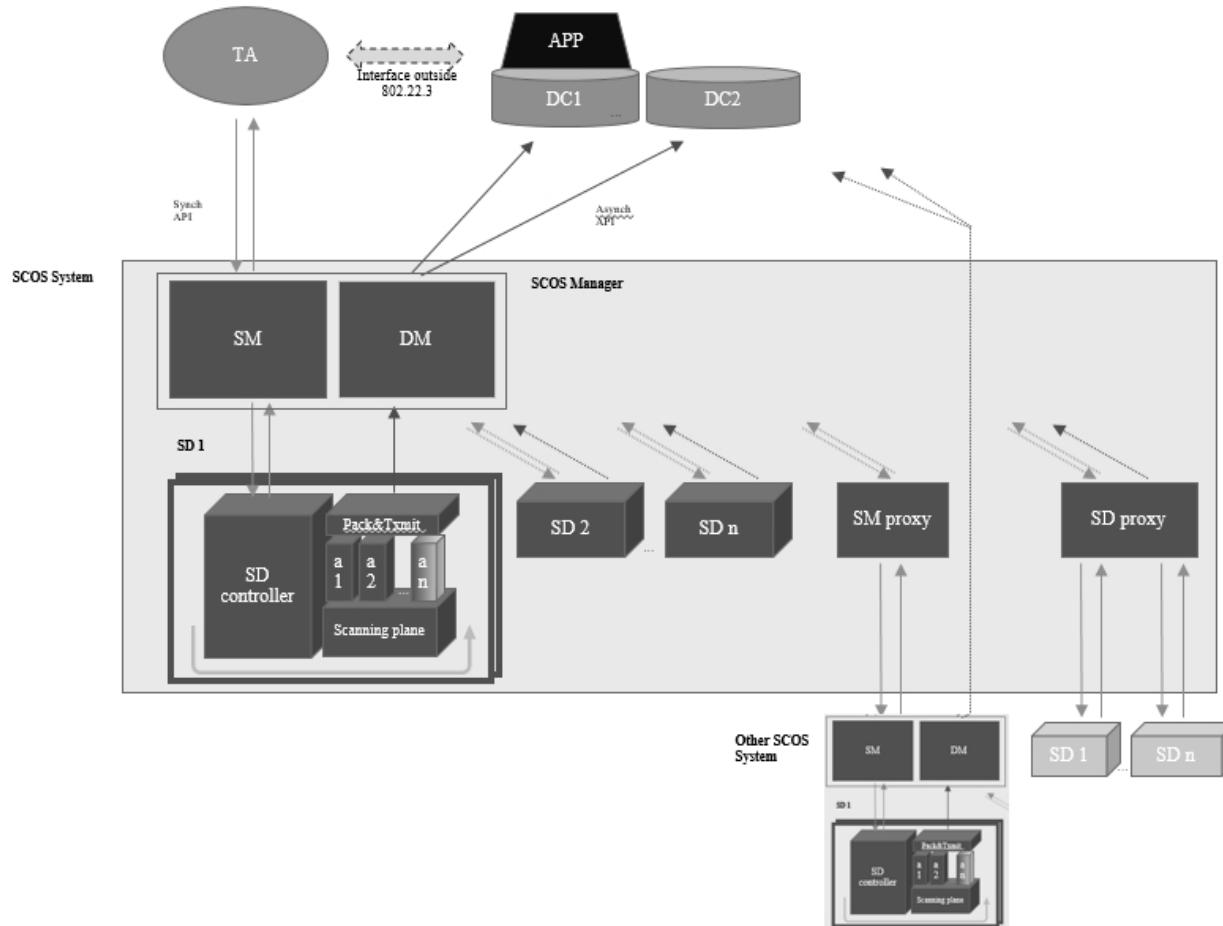
802.22 Ongoing Projects

IEEE 802.22 Revision:
- – Merges in the 802.22a-2014 and 802.22b-2015 amendments
- – Generally revises standard, e.g., correction or inconsistencies or areas lacking clarity, etc.
- – Has undergone first internal Letter Ballot, comments have been resolved and a revised draft produced based on that

IEEE 802.22.3 Spectrum Characterization and Occupancy Sensing:
- – Creates a new standard for spectrum sensing
- – Applications include spectrum management, spectrum de-confliction, interference monitoring and awareness, on-demand spectrum survey and reporting, coverage analysis, shadowing and fading analysis, spectrum mapping and spectrum planning
- – Has undergone two internal Letter Ballots; comments are being resolved based on the second ballot towards producing a new draft

IEEE 802.22.3

(acronyms/details will be verbally explained!)

Projects for IEEE/ ISO/IEC PSDO process

802.22-2011 – Approved to become an ISO Standard in 2015

802.22a and 802.22b – Approved in 2017.

802	Last draft liaised		60-day pre-ballot		5-month FDIS ballot		Comments resolved
.22a	Std	Jul 15	Passed	Apr 16	Passed	25 Jul 17	n/a
.22b	Std	Jul 15	Passed	Apr 16	Passed	27 Jul 17	Waiting

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