

IEEE 802.22 Status for IEEE TCCN at IEEE ICC 2017

May 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 Active Projects/Status

IEEE 802.22 Revision:

- Merges the 802.22a-2014 and 802.22b-2015 amendments
- Adds new capabilities for spectrum sharing in other bands where spectrum sharing may be allowed
- New technologies such Full Duplex Simultaneous Transmit and Receive
- **Projected Completion Date:** November 2018

IEEE 802.22.3 Spectrum Characterization and Occupancy Sensing:

- Creates a new standard for distributed spectrum monitoring
- 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

Projects for IEEE/ ISO/IEC PSDO process

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

802.22a and 802.22b – PSDO process started.

802	Last draft liaised		60-day pre-ballot		5-month FDIS ballot		Comments resolved
.22a	Std	Jul 15	Passed	Apr 16	Waiting	-	Nov 2016
.22b	Std	Jul 15	Passed	Apr 16	Waiting	-	Nov 2016

Questions?

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