# **DRAFT: NOT FOR IMMEDIATE RELEASE**

Contact: Lloyd Green, Director, Engagement Marketing & Creative Community Services

+1 732-465-6444, [l.g.green@ieee.org](mailto:l.g.green@ieee.org)

Contact: Jeff Pane, Associate Brand and Marketing Communications Manager

+1 732-465-6605, [j.pane@ieee.org](mailto:j.pane@ieee.org)

IEEE Publishes Standard for Network-Based Coexistence Methods

*IEEE 802.19.1™ standard includes geolocation-capable devices,*

*improves spectrum sharing*

**PISCATAWAY, NJ,** XX September 2018 – IEEE, the world's largest technical professional organization dedicated to advancing technology for humanity, and the [IEEE Standards Association (IEEE-SA)](http://standards.ieee.org/), today announced the availability of the IEEE 802.19.1™-2018 standard, Part 19: Wireless Network Coexistence Methods. The standard is available for purchase in the IEEE Standards Store.

“[IEEE 802.19.1](http://standards.ieee.org/develop/project/802.19.1.html) enables the IEEE 802® family of wireless standards to effectively utilize license-exempt or lightly licensed devices by providing standardized coexistence methods among dissimilar or independently operated wireless networks under general authorization,” said Steve Shellhammer, chair, IEEE 802.19 Wireless Coexistence Working Group. “The publication of the IEEE 802.19.1 standard will help ensure fair and efficient spectrum sharing.”

Finalized in June 2018, IEEE 802.19.1 specifies radio technology independent methods for network-based coexistence among dissimilar or independently operated networks of unlicensed devices and dissimilar unlicensed devices. The standard is defined for geolocation-capable devices operating under general authorization such as TV band White Spaces (TVWS), 5 GHz license-exempt bands, and 3.5 GHz Citizens Broadband Radio Service lightly licensed bands. The standard introduces the following:

* Methods for leveraging the cognitive radio capabilities of license-exempt devices, including geolocation awareness and information database access;
* Coexistence discovery and information server for gathering and providing wireless networks coexistence information;
* Coexistence manager utilizing information from the coexistence discovery and information server, thereby enhancing the coexistence of the wireless networks;
* Coordination enabler, which communicates with the coexistence manager within the same coexistence system and with the coordination enabler within the other coexistence system; and
* Common coexistence architecture and protocols, as well as multiple profiles enabling cost-efficient and flexible deployment of the coexistence system in various scenarios.

IEEE 802.19.1 is available for purchase at the IEEE Standards Store. For additional information, visit the [IEEE 802.19 Wireless Coexistence Working Group web page](https://standards.ieee.org/develop/wg/WG802.19.html).

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