# **DRAFT: NOT FOR IMMEDIATE RELEASE**

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**IEEE Publishes Standard Amendment Addressing Coexistence Methods for Geo-Location Capable Devices Operating Under General Authorization**

*IEEE 802.19.1a™ specifies radio technology independent methods for coexistence among dissimilar or independently operated wireless networks, such as TV band White Spaces, the 5GHz license-exempt bands and access in 3.5GHz Citizens Broadband Radio Service bands*

**PISCATAWAY, NJ, XX December 2017** – 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 standard amendment IEEE 802.19.1a™—Coexistence Methods for Geo-Location Capable Devices Operating Under General Authorization.

“The IEEE 802.19.1a standard amendment enables the family of IEEE 802® wireless standards to effectively utilize the devices operating under license-exempt or lightly-licensed bands,” said Steve Shellhammer, chair of the IEEE 802.19™ Wireless Coexistence Working Group. “The IEEE 802.19.1a standard amendment is intended to help achieve fair and efficient spectrum sharing, effectively improving end-user experiences.”

IEEE 802.19.1a specifies radio technology independent methods for coexistence among different wireless networks operating in TV band White Spaces, the 5GHz license-exempt bands and the 3.5GHz Citizens Broadband Radio Service bands. The standard provides the following attributes:

* Methods of leveraging the cognitive radio capabilities of the license-exempt devices, including geo-location awareness and access to information databases
* A coexistence discovery and information server, which gathers and provides coexistence information regarding wireless networks
* A coexistence manager, which utilizes the information from the coexistence server to enhance the coexistence of the wireless networks
* A coordination enabler, which communicates with the coexistence manager within the same coexistence system, and with the coordination enabler within the other coexistence system
* A common coexistence architecture and protocols, as well as several profiles to enable cost-efficient and flexible deployment of the coexistence system in various scenarios.

Deployment of technology defined by IEEE 802® standards is already globally pervasive, driven by the ever-growing needs of data networks around the world. New application areas are constantly being considered that might leverage IEEE 802 standards in their networks from wireless, through twisted-pair cabling, to fiber-optic cabling solutions. To better address the needs of these areas, IEEE 802 standards are constantly evolving and expanding. The success of IEEE 802 standards—from their inception through today—has been based upon their fair, open and transparent development process.

For more information, please visit the [IEEE 802.19 Wireless Coexistence Working Group page](http://standards.ieee.org/develop/wg/WG802.19.html).

IEEE 802.19.1a is available for purchase at the IEEE Standards Store.

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**About the IEEE Standards Association**

The IEEE Standards Association, a globally recognized standards-setting body within IEEE, develops consensus standards through an open process that engages industry and brings together a broad stakeholder community. IEEE standards set specifications and best practices based on current scientific and technological knowledge. The IEEE-SA has a portfolio of over 1,200 active standards and over 650 standards under development. For more information visit <http://standards.ieee.org>.

**About IEEE**

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