**IEEE P802.19**

**Wireless Coexistence**

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| Project | IEEE P802.19 Wireless Coexistence WG | |
| Title | **Revision PAR Proposal for 802.19.1-2014** | |
| Date Submitted | March 13, 2017 | |
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| Re: | [] | |
| Abstract | [] | |
| Purpose | [] | |
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Type of Project: Revision to IEEE Standard 802.19.1-2014

PAR Request Date: xx-xxx-2017

PAR Approval: xx-xxx-2017

PAR Expiration Date: xx-xxx-2019

Status: PAR for a Revision to an existing IEEE Standard

1.1 Project Number: P802.19.1

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 19: TV White Spaces Coexistence Methods

Changes in title: Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 19: ~~TV White Spaces~~ Wireless Network Coexistence Methods

3.1 Working Group: Coexistence TAG (C/LM/WG802.19)

Contact Information for Working Group Chair Name: Stephen Shellhammer

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Contact Information for Working Group Vice-Chair Name: Tuncer Baykas

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3.2 Sponsoring Society and Committee: IEEE Computer Society/Local and Metropolitan Area Networks (C/LM)

Contact Information for Sponsor Chair Name: Paul Nikolich

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4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 07/2018

4.3 Projected Completion Date for Submittal to RevCom: 11/2019

5.1 Approximate number of people expected to be actively involved in the development of this project: 12

5.2 Scope of the complete standard: The standard specifies radio technology independent methods for coexistence among dissimilar or independently operated TV Band Device (TVBD) networks and dissimilar TV Band Devices.

Changes in scope: ~~The~~ This standard specifies radio technology independent methods for network-based coexistence among dissimilar or independently operated ~~TV Band Device (TVBD) networks~~networks of unlicensed devices and dissimilar ~~TV Band Devices~~unlicensed devices. The standard is defined for geo-location capable devices operating under general authorization such as TV band White Spaces, the 5 GHz license-exempt bands and the general authorized access the 3.5 GHz bands.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: The purpose of the standard is to enable the family of IEEE 802 Wireless Standards to most effectively use TV band White Spaces by providing standard network-based coexistence methods among dissimilar or independently operated TVBD networks and dissimilar TVBDs. This standard addresses coexistence for IEEE 802 networks and devices and will also be useful for non IEEE 802 networks and devices.

Changes in purpose: The purpose of the standard is to enable the family of IEEE 802 Wireless Standards to most effectively use, under general authorization, frequency bands such as TV band White Spaces, the 5 GHz license-exempt frequency bands and the general authorized access in the 3.5 GHz frequency bands by providing standard network-based coexistence methods among dissimilar or independently operated T~~VBD networks and dissimilar TVBDs~~ unlicensed devices and dissimilar unlicensed devices with geo-location capability. This standard addresses coexistence for IEEE 802 networks and devices and will also be useful for non IEEE 802 networks and devices.

5.5 Need for the Project: The reason for this project is to incorporate a title change, accumulated maintenance changes (editorial and technical corrections) into 802.19.1-2014 and roll up of an amendment into the standard. The amendment currently under development is P802.19.1a Coexistence Methods for Geo-Location Capable Devices Operating Under General Authorization.

5.6 Stakeholders for the Standard: Designers of MAC/PHY standards and implementations.

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No

7.2 International Activities

a. Adoption

Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: No

b. Joint Development

Is it the intent to develop this document jointly with another organization?: No

c. Harmonization

Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: Do Not Know

Organization:

Technical Committee Name:

Technical Committee Number:

Contact Name:

Phone:

Email:

8.1 Additional Explanatory Notes (Item Number and Explanation):

Section 5.2 (Scope)

The term "devices operating under general authorization" means that devices would be entitled to use the spectrum with no individual frequency planning/coordination (not be entitled to interference protection from the others) and includes that the devices are specified in Part15, Title 47 of the Code of Federal Regulations such as TV bands, 900 MHz, 2.4 GHz, and 5 GHz bands and Part 96, Title 47 of the Code of Federal Regulations such as general authorized access in 3.5 GHz bands.