IEEE P802.19
Wireless Coexistence

|  |
| --- |
| Proposed resolution to comments r01-2 and r01-4 |
| Date: 2014-02-13 |
| Author(s): |
| Name | Company | Address | Phone | email |
| Stanislav Filin | NICT |  |  | sfilin@nict.go.jp |
|  |  |  |  |  |

Abstract

This document is a submission to IEEE 802.19 BRC proposing resolution to comments r01-2 and r01-4.

**Notice:** This document has been prepared to assist IEEE 802.19. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

# Proposed update

*It is proposed to modify clause 3.1 Definitions as shown in the text below.*

* 1. Definitions

For the purposes of this draft, the following terms and definitions apply. *The Authoritative Dictionary of IEEE Standards Terms* should be referenced for terms not defined in this clause.

autonomous decision making: A decision making topology where one CM makes its decisions independently from another CM.

basic procedures: Basic procedures comprises of authentication, subscription and registration procedures.

centralized decision making: A decision making topology where one CM relegates its decisions to another CM.

coexistence: The ability of two or more spectrum-dependent devices or networks to operate without harmful interference.

coexistence algorithms: Procedures executed inside the coexistence system in order to provide the coexistence services.

coexistence discovery and information server: An entity that is responsible for determining for CMs those white space objects (WSOs) that may affect performance of the WSOs that the CMs serve. The entity also supports the discovery of CMs by other CMs in order to open interfaces between them.

coexistence discovery: Procedure executed inside the coexistence system in order to find out a coexistence set for a coexistence enabler (CE) and its white space object.

coexistence enabler: An entity that represents a WSO in the coexistence system and serves one WSO at a time.

coexistence manager: An entity that is responsible for making coexistence decisions related to reconfiguration of WSOs to solve coexistence problems among them.

coexistence services: Services provided by the coexistence system to dissimilar or independently operated WSOs, as well as, services provided by the entities of the coexistence system to other entities of the coexistence system.

coexistence set element: One WSO of a coexistence set.

coexistence set: A set of WSOs associated to a WSO containing those WSOs that may affect performance of the WSO.

distributed decision making: A decision making topology where one CM makes its decisions in coordination with another CM.

interference: The effect of unwanted energy due to one or a combination of emissions, radiations, or inductions upon reception in a radiocommunication system, manifested by any performance degradation, misinterpretation, or loss of information which could be extracted in the absence of such unwanted energy.

neighbor coexistence managers: At least two coexistence managers that serve WSOs that may affect performance of each other.

profile: A profile determines which procedures, messages and message parameters are mandatory and which are optional for implementation of a IEEE 802.19.1 compliant coexistence system entity.

registered location secure server: An entity that accesses and manages a database that organizes storage of information by geographic location and securely holds the location and some operating parameters of one or more basic service sets (adapted from IEEE Std 802.11af).

white space object: An entity that represents a television white space (TVWS) device or network of TVWS devices. The entity is connected to a coexistence enabler to consume coexistence services.