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IEEE Standard for Information technology—Telecommunications and information exchange between systems—Local and metropolitan area networks—Specific requirements—

Part 19: TV White Space Coexistence Methods

IEEE Computer Society

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Part 19: TV White Space Coexistence Methods

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Approved 16 May 2014

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Abstract: Radio technology independent methods for coexistence among dissimilar television band devices (TVBDs) and dissimilar or independently operated networks of TVBDs are specified in this standard.

Keywords: coexistence service, IEEE 802.19.1™, radio coexistence

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Introduction

This introduction is not part of IEEE Std 802.19.1™-2014, IEEE Standard for Information technology—Telecommunications and information exchange between systems—Local and metropolitan area networks—Specific requirements—Part 19: TV White Space Coexistence Methods.

This standard specifies radio technology independent methods for coexistence among dissimilar TV band devices (TVBDs) and dissimilar or independently operated networks of TVBDs. This standard addresses coexistence for IEEE 802® networks and devices and will also be useful for non IEEE 802 networks and TVBDs.

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1. Overview

1.1 Scope

The standard specifies radio technology independent methods for coexistence among dissimilar television band devices (TVBDs) and dissimilar or independently operated networks of TVBDs.

1.2 Purpose

The purpose of the standard is to enable the family of IEEE 802® wireless standards to most effectively use television white space (TVWB) by providing standard 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 TVBDs.

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