**IEEE P802.19**

**Wireless Coexistence**

|  |  |  |
| --- | --- | --- |
| Project | IEEE P802.19 Wireless Coexistence WG | |
| Title | **Recommended Text on 802 Coexistence Process** | |
| Date Submitted | April 2, 2019 | |
| Source | Steve Shellhammer Qualcomm 5775 Morehouse Drive  San Diego, CA 92121 | Voice: (858) 658-1874  E-mail: shellhammer@ieee.org |
| Re: | [] | |
| Abstract | [] | |
| Purpose | [] | |
| Notice | This document has been prepared to assist the IEEE P802.19. 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. | |
| Release | The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by IEEE P802.19. | |

**Recommended Modifications to the IEEE 802 Operations Manual**

Make the Following Edits in the IEEE 802 Operations Manual

13. Procedure for coexistence assessment

If indicated in the five criteria, the wireless WG shall produce a coexistence assessment (CA)

document in the process of preparing for WG letter ballot and Sponsor ballot. The CA document

shall accompany the draft on all wireless WG letter ballots.

The CA document shall address coexistence with all relevant active IEEE 802 LMSC wireless

standards specifying devices for unlicensed operation. The WG should consider other

specifications in their identified target band(s) in the CA document.

The IEEE 802.19 WG shall have one vote in WG letter ballots that include CA documents. As

part of its ballot comments, the IEEE 802.19 WG will verify the CA methodology was applied

appropriately and reported correctly.

The ballot group makes the determination on whether the coexistence assessment document is both complete and accurate..

14.1.2 Coexistence

A WG proposing a wireless project shall demonstrate coexistence through the preparation of a

Coexistence Assessment (CA) document unless it is not applicable.

a) Will the WG create a CA document as part of the WG balloting process as described in

Clause 13? (yes/no)

b) If not, explain why the CA document is not applicable

**Recommended Text for the IEEE 802 LMSC Chair’s Guidelines and EC Policy Decisions**

Add the following to the IEEE 802 LMSC Chair’s Guidelines and EC Policy Decisions document,

**Scope of the Coexistence Assessment Document**

This section describes the scope of the coexistence assessment (CA) document referred to in Section 13 of the IEEE 802 Operations Manual.

The coexistence assessment document shall include a list of the active IEEE 802 wireless standards operating in the same frequency bands as the new standard under development. The CA document should also include a list of other standards or specifications, outside of IEEE 802, which operate in these frequency bands.

The CA document shall include a description of the use cases for these active standards as well as the use cases of the standard under development.

The CA document shall include a description of the coexistence assessment criteria being used in the CA document.

The coexistence assessment criteria shall include the transmit power, bandwidth and duty cycle of the new and active standards in the overlapping frequency bands. The media access methods used by these standards shall be considered in the coexistence assessment. The spatial distribution of the nodes of the various networks shall be part of the coexistence assessment resulting from the introduction of the new standard.

The CA document shall describe any built-in coexistence mechanisms, for both the new and active standards, that improve coexistence.