IEEE P802.19
Wireless Coexistence

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| Proposed resolution to comment to clause 3.6 |
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Abstract

This document is a submission to IEEE 802.19 TG1 proposing resolution to comments to clause 3.6

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# Comment

Section 3.6.2 repeats the information in chapter 9. Only the introduction section 3.6.1 is enough to provide information about coexistence algorithms. Additionaly section 3.6.3 can be combined with 3.6.1.

# Proposed resolution

*It is proposed to modify the current text in clause 3.6 as shown below:*

3. 6 Coexistence algorithms

Coexistence algorithms are procedures executed inside the coexistence system in order to provide the coexistence services. The two classes of coexistence algorithms are coexistence decision and coexistence discovery.

Coexistence decision algorithms are used by CM to make coexistence decisions related to WSO reconfiguration.

Coexistence discovery algorithms are used by CDIS and CM to discover WSOs that may affect each others performance.

In the coexistence discovery algorithms the CDIS and/or CM estimates interference level caused by a WSO and if the interference level is high enough in the location of another WSO the WSOs are deemed to each others coexistence sets. Interference level estimates are done based on propagation models that take into account characteristics of the frequency band and the operating environment. In the estimations the CDIS and/or CM takes into account also the WSOs’ transmitter and receiver capabilities and characteristics like maximum transmit power and antenna configurations.

The standard defines several algorithms for each class. Implementation is not intended to be limited by one particular algorithm.

### 4. Reference model