

Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
Title	<b>Coexistence Recommended Practice – Outline of P802.16.2a</b>	
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Re:	Amendment P802.16.2a to Recommended Practice for Coexistence of Fixed BWA Systems	
Abstract	This document provides a first draft outline for the P802.16.2a amendment to the IEEE 802.16.2 Recommended Practice for Coexistence of Fixed Broadband Wireless Access Systems. The amendment covers extensions to the origin content and updates to the existing content.	
Purpose	For discussion at Session #15	
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# Coexistence Recommended Practice – Outline of P802.16.2a

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## 1. Introduction

This document provides a first draft outline for the P802.16.2a amendment to the IEEE 802.16.2 Recommended Practice for Coexistence of Fixed Broadband Wireless Access Systems. The amendment covers extensions to the origin content and updates to the existing content. The revised document will then contain three parts

- a. Coexistence of FBWA systems in frequency range 2 (23.5 –43.5 GHz)
- b Coexistence of point to point systems with FBWA systems in frequency range 2 (23.5 –43.5 GHz)
- c Coexistence of FBWA systems in the frequency range 2-11 GHz

## 2. Outline for section on coexistence of point to point links with PMP systems

- 2.1. Overview of section
- 2.2. Scope statement (summary of what scenarios have been studied – derived from PAR)
- 2.3. Recommendations and Guidelines, including indicative geographical and physical spacing between system.
- 2.4. System description (interferer and victim systems)
  - 2.4.1 Describe 2 interference scenarios (multiple point to point links in a frequency block and individually licensed links)
  - 2.4.2 System parameters assumed in the simulations
  - 2.4.3 Typical antenna characteristics
- 2.5. Description of simulations
  - 2.5.1 Methodology
  - 2.5.2 Outline results from each simulation
- 2.6. Mitigation techniques
- 2.7. Work of other bodies
  - 2.7.1 ETSI TM4 work on point to point link interference
  - 2.7.2 UK RA work on point ot point link interference
- 2.8. References to complete simulation analysis

## 3. Outline for section on coexistence of 2-11 GHz systems

- 3.1. Overview of section
- 3.2. Scope statement (summary of what scenarios have been studied – derived from PAR)
- 3.3. Recommendations and Guidelines, including indicative geographical and physical spacing between system.
- 3.4. System description (interferer and victim systems)
  - 3.4.1 Describe system interference scenarios (e.g. line of sight systems, lower frequency systems operating with path obstructions, external systems such as satellites)
  - 3.4.2 System parameters assumed in the simulations
  - 3.4.3 Typical antenna characteristics
- 3.5. Description of simulations

- 3.5.1 Methodology
- 3.5.2 Outline results from each simulation
- 3.6. Mitigation techniques
- 3.7. Work of other bodies
- 3.8. References to complete simulation analysis

## **4. Updating the existing Recommended Practice**

- 4.1 Introduction (refer to new sections)
- 4.2 Participants (new list)
- 4.3 Acknowledgements (update)
- 4.4 Contents (update)
- 4.5 References (update)
- 4.6 Definitions, Acronyms and Abbreviations (update)
- 4.7 Out of block emission limits (review values of Bo and consequent emission limits)
- 4.8 Simulation descriptions (add references to complete archived descriptions and results)

END of document outline