

Title: Ad Hoc Committee on Licensed-Exempt Coexistence

License Exempt Ad-Hoc Committee – Activity Report, May 20, 2004

Document Number: C802.16-04/11

Date Submitted: 20 May 2004

Source:

Chair of LE Co-existence Ad-Hoc: Marianna Goldhammer

Voice: +972 3 645 6241

marianna.goldhammer@alvarion.com

ALVARION

21a HaBarzel Street, Tel Aviv, Israel

Venue:

Meeting 30, 15-19 March 2004

Base Document: C802.16d/04-30

Purpose:

Notice:

This document has been prepared to assist IEEE 802.16. 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 grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.16.

IEEE 802.16 Patent Policy:

The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures <<http://iee802.org/16/ipr/patents/policy.html>>, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair <<mailto:chair@wirelessman.org>> as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.16 Working Group. The Chair will disclose this notification via the IEEE 802.16 web site <<http://iee802.org/16/ipr/patents/notices>>.

**Ad Hoc Committee on Licensed-Exempt Coexistence
- Activity Report -**

Marianna Goldhammer
Chair

Tuesday evening session

- Secretary:
 - Barry Lewis
- 19 people attended the meeting
- Present the Ad-hoc working document
 - C802.16/04-07r1
- Look at more interference scenarios
 - C802.16/04-10r1
- Discuss the proposed solutions in C802.16/04-07r1
 - Phil Barber
 - Marianna Goldhammer

Further potential solutions

1. Interference detection threshold
 2. Time separation
 3. Operator co-operation
 4. Cognitive radio approach
- Combination of solutions will probably be required
 - Solutions should address the following systems:
 - 802.16 – 802.16
 - 802.16 - 802.11

Continuation

- Work through 802.16 reflector to further develop the Ad-Hoc Report
- Request contributions on potential solution and their evaluation