



Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Minutes of Ad Hoc Committee on Licensed-Exempt Coexistence - Session #31	
Date Submitted	2004-06-06	
Source(s)	Marianna Goldhammer Alvarion 21, HaBarzel Street Tel Aviv, Israel	Voice: +972 54 22 55 48 Fax: +972 3 6456241 mailto: marianna.goldhammer@alvarion.com
Re:		
Abstract	Meeting Minutes	
Purpose	To record meeting discussions	
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.	
Patent Policy and Procedures	The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures < http://ieee802.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://ieee802.org/16/ipr/patents/notices >.	

Minutes of Ad Hoc Committee on Licensed-Exempt Coexistence - Session #31 (Draft)

18 May 2004, Shenzhen, China

The meeting called to order at 19:05, by Marianna Goldhammer, Ad-Hoc Committee Chair. Barry Lewis has been elected as secretary.

The document C802.16/04r1, BS interference scenarios, output of e-mail activity before the meeting, was presented by Marianna.

In continuation, she presented her contribution C802.16/04r1.

Discussion

Was a general consensus that there is a real problem of inter-system interference.

Phil Barber presented his solution, as captured in C802.16/04r1.

Discussion about possible solutions:

1. Interference detection threshold – Barry Lewis proposal
 - Will work also for Adjacent Channel, if there are free frequencies
 - In a future phase, 802.16 should ask other 802 wireless standards to respect the proposed level
2. Time separation – Marianna Goldhammer proposal
3. Operator co-operation – Barry Lewis proposal
4. Cognitive radio approach – Marianna Goldhammer proposal.

Was mentioned that will be probably required a combination of solutions.

Discussion on proposal evaluation:

- should take into consideration the user separation, user density, frequency reuse factor, channel bandwidth, etc. 10MHz has been proposed as 802.16 channel bandwidth for consideration.

Discussion on target systems:

The solutions should consider the interference 802.16 to/from 802.16 and 802.16 to/from 802.11.

The LE Ad-Hoc Committee activity will be continued by e-mail.

The presence list signed: 19 participants.

Meeting adjourned at 20:30.