DRAFT

IEEE 802.16h LE Task Group

- Meeting Minutes -

Tuesday January 25, 2005, Morning Session 0800-1200

-- Meeting called to order by chair at 08:13

Agenda

Agenda presented by chair who asked for contributions to the agenda.
Agenda updated and approved by unanimous voice vote.

Selection of Secretary

The chair called for volunteers for a participant to act as secretary for this session.
Barry Lewis was sole volunteer. Chair asked for the volunteer to be approved by voice vote.
Secretary approved by unanimous voice vote.

PAR Review

The chair reviewed the final approved PAR. It was considered that the scope might not
necessarily limit consideration to systems only in licence-exempt frequency bands.
Interference scenarios previously presented in the Study Group were reviewed

Attendance

The chair noted that access to the attendance sign-in page was difficult. In the meantime the
group agreed to collect attendance 'manually':

- Marianna Goldhammer, marianna.goldhammer@alvarion.com
- Barry Lewis, blewis@redlinecommunications.com
- Andy Sago, andy.sago@bt.com
- Ambroise Popper, ambroise@sequans.com
- Al Wieczorek, al.wieczorek@motorola.com
- Scott Migaldi, W10265@motorola.com
- Jim Carlo, j.carlo@ieee.org
- Greg Phillips, greg.phillips@airrunner.com
- Guo Qiang Wang, guogiang@nortelnetworks.com
- Ellen Lee, ellenlee@huawei.com
- Keshan Feng, keshanfeng@huawei.com
- Wu Xuyong, wuxuyong@huawei.com
- Le Weijun, leweijan@huawei.com
- Ruslein Zheng, robin@huawei.com
- Richard Yao, richyao@microsoft.com
- Avi Freeman, avif@hexagonltd.com

- Ying-Chang Liang, ycliang@izr.a-star.edu.sg
- Michael Lynch, mlynch@nortelnetworks.com
- Aik Chindapol, aik.chindapol@siemens.com (afternoon)
- Zhonghui Yao, yaoth@huawei.com (afternoon)
- Lee Jian, leejian@huawei.com (afternoon)

Contribution Review

C802.16h-05/01 - Detailed scope of IEEE 802.16h

Discussed the applicability of specific frequency bands and clarified Licence-Exempt operation to mean "uncoordinated" and that the applicability of the .16h output could be across all frequency bands irrespective of the licensing regime.
Should apply to IEEE802.16-2004 only.

Net-Man are also dealing with Radio Resource Management.

Topics for examination:
Interference detection and prevention.
Interference Scenarios
Creating a "signature" or a framework for identification of interferers.
Primary user properties are defined in regulation.
Examples of interference avoidance techniques, DCS/DFS for example.
Messages .
Management System.
PHY independent mode for transmitting network management address information.
Policies and how to determine clear frequencies.
Interference Reduction Policies

C802.16h-05/01rev1 updated during discussion. Output Document 802.16-05_003

C802.16h-05/02 - Algorithms for distributed interference control

Contribution presented by Mariana Goldhammer.

An example of distributed co-ordination between systems. A balancing algorithm attempts to balance the C/I values for a series of BS-TS links by adjusting the BS powers. If necessary a dominant interferer will be removed and will require alternative scheduling.

Comments: Consideration of QoS may be needed.

 Other algorithms possible and a number of sources highlighted for potential contribution.

Existing support in 802.16-2004 for coexistence.

An informal presentation was given by Marianna Goldhammer detailing the existing messages in the standard that may bee useful as a starting point for refinement / enhancements to address the coexistence issues under consideration by the group.

Action: MG agreed to formulate as a formal contribution and upload. C802.16h-05_003

Meeting adjourned at 11:29

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Meeting reconvened at 14:15

Drafting the Initial Table of Contents

A draft table of contents was compiled based upon the contributions to date and the morning session discussion.

Output document 802.16h-05_002.

Call for Further Contributions

The call for contributions at the next meeting can be based on the draft table of contents developed at this meeting.

Motion

Motion to adjourn the meeting put forth by:
- Andy Sago
Motion seconded by:
- Barry Lewis
Discussion:
- None
Vote Method:
- Verbal
Vote Results: Unanimous voice vote.
- Motion carried by unanimous vote.

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