



Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
Title	<b>Minutes of IEEE 802.16 Session #33</b>	
Date Submitted	<b>2004-09-30</b>	
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Re:	IEEE 802.16 Session #33 Minutes (Seoul, Korea)	
Abstract		
Purpose	To record meeting minutes.	
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 < <a href="http://ieee802.org/16/ipr/patents/policy.html">http://ieee802.org/16/ipr/patents/policy.html</a> >, 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 < <a href="mailto:chair@wirelessman.org">mailto:chair@wirelessman.org</a> > 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 < <a href="http://ieee802.org/16/ipr/patents/notices">http://ieee802.org/16/ipr/patents/notices</a> >.	

# Minutes of IEEE 802.16 Session #33

IEEE 802.16 Working Group

Seoul, Korea

30-August - 2 September 2004

## Opening Plenary

### Call to Order

Roger Marks called the meeting to order at 1:14 pm, August 30, 2004.

### IEEE 802.16 Working Group Officers

Chair: Roger Marks

Vice Chair: Ken Stanwood

Secretary: Dean Chang

### Members

Here is the current membership status as of this meeting.

150 members

57 Potential members

281 people registered for this session. [The final attendance could of 287 became a new record for an 802.16 interim session].

### Attendance

There are three attendance books this week: #1, #2 and #3. People are requested to sign just one of the books during the week if possible.

Attendance Book procedure:

Attendance Intervals: 10 [Mon pm; Mon night; Tue am; Tue pm; Tue night; Wed am; Wed pm; Thu am; Thu pm; Thu night]

"Participation" Requirements: 7 intervals

### Agenda

Motion 1: Mariana Goldhamer, to approve the Opening Plenary Meeting Agenda as presented, 2<sup>nd</sup> Jon Labs.

Motion 1: carries by unanimous voice vote. See <<http://iee802.org/16/meetings/mtg33/opening.html>>

At the last meeting, a number of people signed in to both 802.16 and 802.20, claiming at least 75% participation credit in both groups. Credit for one group was disallowed.

Motion 2: Brian Kiernan to approve the Minutes of Session #32 (IEEE 802.16-04/48r1), 2<sup>nd</sup> Phillip Barber.

Motion 2: carries by unanimous voice vote.

### Chair's Status Report (IEEE 802.16-04/53)

The Chair presented a report, including rules of operation for IEEE 802.16.

### Copyright Procedures

The Chair reviewed copyright procedures and referred to the following link, which covers information regarding copyrights for documents submitted to IEEE 802.16:

<http://iee802.org/16/ipr/copyrights>

## IEEE-SA Rules (Patents)

The following advice was provided by the Chair:

The IEEE's Patent Policy is consistent with the ANSI patent policy and is described in Clause 6 of the IEEE SA Standards Board Bylaws;

Early disclosure of patents which may be essential for the use of standards under development is encouraged;

Disclosures made of such patents may not be exhaustive of all patents that may be essential for the use of standards under development, and that neither the IEEE, the WG nor the WG Chairman ensure the accuracy or completeness of any disclosure or whether any disclosure is of a patent that in fact may be essential for the use of standards under development.

Slide #1 ("IEEE-SA Standards Board Bylaws on Patents in Standards") and Slide #2 ("Inappropriate Topics for IEEE WG Meetings") were shown.

An opportunity was provided for WG members to identify or disclose patents that the WG member believes may be essential for the use of that standard.

No responses were given regarding this announcement.

## Contribution Procedures

<http://wirelessman.org/submit.html>

Submittals that violate the procedures will not be accepted.

## Maintenance Task Group

Ken Stanwood, Chair.

The Corrigendum PAR will not be approved until 23 September, but the Task Group will begin work.

The following document will describe the Task Group procedure: "Procedures for Maintenance Task Group in Development of P802.16-2004/Cor 1" (IEEE 802.16maint-04/03).

The Task Group Chair will review the comments and rule on which are in scope.

## Task Group e

Brian Kiernan, Chair

Ron Murias, Technical Editor

Brian reviewed an opening report (IEEE 802.16e-04/16). The group is going through the third recirculation ballot (#14c). IEEE 802.16-04/51r1 incorporates all of the comments.

455 comments (37 binding, 253 non binding, 165 editorial)

1015 reply comments

115 initial contributions

Single largest category is MIMO with 33 contributions.

11 reply/late contributions received.

Expected Closing Plenary Motion: *"To accept IEEE 802.16-04/XX as the resolutions of WG Recirc Ballot #14c comments, develop Draft P802.16e/D5 based on those resolutions, initiate Recirculation, and request conditional approval from the IEEE 802 LMSC to proceed to Sponsor Ballot, closing that ballot before Session #34 if possible"*

It is important for the group to move to sponsor ballot at the closing plenary, or there will be a significant delay in the schedule, possibly on the order of 4 months.

## **Network Management Task Group**

Phillip Barber, Chair

The group is developing P802.16f and P802.16g. The first is for a MIB for fixed, and the second is a broader project for both fixed and mobile. The first meeting of the task group will be all day Wednesday this week.

PAR 802.16f (approved 2004-08-12): Amendment to IEEE Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed Broadband Wireless Access Systems - Management Information Base

PAR 802.16g (approved 2004-08-12): Amendment to IEEE Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems - Management Plane Procedures and Services

## **Licensed-Exempt Study Group**

Mariana Goldhamer, Chair

The study group was approved by the IEEE 802 LMSC on 2004-07-16.

The study group will consider proposing a PAR this week.

A straw poll was taken of people interested in participating in the LE study group. About 5-10 people indicated they were interested.

## **Liaison**

### ***TTA***

Panyuh Joo, Daehyoung Hong, Yung Hahn.

Panyuh Joo presented a report from TTA PG302 including an overview of 2.3 GHz Portable Internet Overview (IEEE L802.16-04/29)

In the future, there are plans to harmonize TTA PG302 with IEEE 802.16 standards.

A request was made to provide the original (Korean language) version of the TTA PG302 standard to the IEEE 802.16 working group. Panyuh will check with a TTA representative to see if this is okay.

Roger Marks suggested that there be a document that represents the specific differences between the TTA PG302 and IEEE 802.16 standards. Panyuh will check into this as well.

### ***CCSA (China Communications Standards Association)***

Meimei Dang

Roger had a meeting in Beijing with the CCSA. Meimei Dang is now the liaison from CCSA TC5/WG3 to IEEE 802.16. It would be nice to assign a liaison representative to CCSA from IEEE 802.16. At the Closing Plenary, Roger Marks will name a liaison to CCSA.

## **ETSI BRAN**

Mariana Goldhamer

Mariana acknowledged the fact that ETSI HiperMAN is working on an SNMP MIB and PICS. The proposal is that ETSI would provide these contributions to the relevant projects within the Working Group.

## **ITU**

Mike Lynch

Some IEEE 802.18 documents that were approved by the 802.16 Working Group at the last plenary meeting were forwarded ITU. This includes the 802.16-generated IEEE L802.16-04/25.

ITU-R Working Party 8F has requested information for the next generation for products beyond 3G. The questionnaire is due at the end of this year.

## **Future Sessions**

Session #34 15-18 November 2004 will be held tentatively at the Hyatt Regency San Antonio, TX, USA with the IEEE 802 Plenary Session. IEEE 802 is not sure if San Antonio can handle the meeting since the group has grown significantly over the last few years. We are still waiting for a definite answer in this. There is a possibility that the group may meet in Dallas TX at the DFW airport. [Note: a definitive decision was later announced to meet in San Antonio.]

Session #35:

24-27 January 2005: Sanya, Hainan, China (hosted by Lucy Chen, Huawei) More information will be provided in October.

Session #36:

13-18 March 2005 at the Hyatt Regency Atlanta, GA, USA with the IEEE 802 Plenary Session

Session #37:

May 2005: site to be determined at Session #34; proposals are being solicited.

Suggestion of the Chair: also select Session #39 site (Sept 2005) during Session #34. This is due to the fact that the group is larger and planning takes more time.

Tentative proposals for May 2005 requested:

Jose Puthenkulam from Intel announced that he will propose to host it in Beijing.

Chang-Lung Hsiao ITRI announced that he will propose to host it in.

## **New Business**

Nothing discussed.

## **Closing**

Motion 5: Brian Kiernan to adjourn the meeting 2<sup>nd</sup> Shawn Taylor.

Motion 5: carries by unanimous voice vote.

The meeting was adjourned at 3:50 pm on 30 August 2004.

## Closing Plenary

### Opening

Chair Roger Marks called the meeting to order at 10:00 pm on 2 September 2004. This was three hours later than originally planned, due to the lateness of the prior Task Group e meeting.

### Agenda

Motion 6: Brian Kiernan, to approve the Closing Plenary Meeting Agenda as presented, 2<sup>nd</sup> Jose Puthenkulam.

Motion 6: carries by unanimous voice vote.

### Maintenance Ad Hoc

Chair's Report: Ken Stanwood

The group received 353 comments and was able to review 128 of them during the meetings this week.

There will be a call for comments issued before the next meeting.

In November the group will meet the entire week, starting with the unaddressed comments.

### License-Exempt (LE) Coexistence Study Group

Chair's Report: Mariana Goldhamer

12 participants

Secretary was Mike Sanderson

The group completed a PAR for a project on LE Coexistence (IEEE C802.16le-04/02) and also a 5 criteria statement (IEEE C802.16le-04/03). Subsequently, comments were requested from the Working Group, Some were received. In response to these comments, Mariana has prepared an alternative PAR (IEEE C802.16le-04/06) and alternative 5 criteria (IEEE C802.16le-04/07).

The two different versions were presented.

Straw Poll

1. Send PAR and 5 Criteria based on IEEE C802.16le-04/06 and IEEE C802.16le-04/07 to the 802 Executive Committee - 6
2. Open a working group letter ballot and resolve comments- 30

Motion 7: Mariana Goldhamer, to open a WG letter ballot on the PAR IEEE 802.16le-04/06 and 5 criteria IEEE 802.16le-04/07 by September 8<sup>t</sup> and forward the resulting document, following approval in letter ballot, to 802 EC for approval, 2<sup>nd</sup>

Motion 7: carries 28-0-0.

[Note: The Goldhamer's motion was originally on IEEE C802.16le-04/02 and C802.16le-04/03, but IEEE C802.16le-04/06 and C802.16le-04/07 were substituted based on a friendly amendment proposed by Ken Stanwood.

A PAR will be developed from the material in IEEE 802.16le-04/06 and 802.16le-04/07.

### Network Management Task Group

Chair's Report: Phillip Barber

Details in closing report IEEE 802.16netman-04/03r1.

Joey Chou was appointed as Technical Editor for NetMan and assigned to P802.16f.

Jose Puthenkulam appointed as Technical Editor for NetMan and assigned to P802.16g.

Motion 8: Phillip Barber, to develop and issue the Working Group Draft P802.16f/D1-2004 based on contribution C802.16f-04/01r1, and initiate a Working Group Letter Ballot to close around November 1, 2004 with reply comments due around November 8, 2004, 2<sup>nd</sup> Jose Puthenkulam.

Motion 8: carries 40-0-0.

There will be a call for contributions for IEEE P802.16g announced shortly.

## Task Group e

Chair's Report: Brian Kiernan

Details in closing report IEEE 802.16e-04/18

455 (+2 late) comments were resolved in the meeting

268 accepted or accepted modified

90 rejected

58 superceded

41 withdrawn

16 tech binding (Satisfied)

14 tech- Binding (Not Satisfied)

Motion 9: Brian Kiernan, to accept IEEE 802.16-04/51r2 as the resolutions of WG Recirc Ballot #14c comments, develop Draft P802.16e/D5 based on those resolutions, initiate Confirmation Ballot, and request conditional approval for the IEEE 802 LMSC to proceed to Sponsor Ballot, closing that ballot before Session #34, if possible

2<sup>nd</sup> Prakash Iyer.

Motion 9: carries 51-0-1.

The WG Chair polled the voters on record as Disapprove regarding WG Letter Ballot #14. The following voters announced a change of their vote to Approve:

Phillip Barber

Lei Wang

Chulsik Yoon

## Task Group C

Chair's Report: Gordon Antonello (oral presentation only)

One contribution was received and reviewed. There is a draft proposal on including ETSI HiperMAN PICS.

ETSI suggested that the IEEE may include its HiperMAN PICS into P802.16/Conformance04 by means of reference and use this as a baseline for PICS for frequencies bellow 11 GHz.

A call for comments will be made based on a working document based on the ETSI contribution.

## Liaison

### ***ETSI BRAN***

Roger Marks proposed a the letter to ETSI BRAN (IEEE L802.16-04/27r1)

Motion 10: Mariana Goldhamer to forward the letter to ETSI BRAN (IEEE L802.16-04/27r1)

, 2<sup>nd</sup> Phillip Barber

Motion 10: carries by unanimous voice vote

## CCSA

Roger Marks drafted the CCSA Letter (IEEE L802.16-04/28).

Marks announced that Irving Wang is appointed as the liaison to CCSA TC5/WG3; Lucy Chen is the alternate liaison when Irving Wang cannot attend a CCSA TC5/WG3 meeting.

Motion 11: To forward IEEE L802.16-04/28 to CCSA.

Motion 11: carries by unanimous voice vote.

## Future Sessions <<http://ieee802.org/16/calendar.html>>

Session #33

Roger Marks drafted a letter of appreciation (IEEE 802.16-04/54) to Samsung, the host of this meeting.

There were no objections to sending this letter to the host, Samsung.

In addition, Roger Marks drafted a letter to the JW Marriott thanking them for their support of this meeting.

There were no objections to sending this letter (IEEE 802.16-04/55) to the staff at the JW Marriott.

Session #34:

15-18 November 2004 at the Hyatt Regency San Antonio, TX, USA with IEEE 802 Plenary Session

Session #35:

24-27 January 2005 in Sanya, Hainan, China, hosted by Lucy Chen of corporate host Huawei Technologies Co.

Session #36:

13-18 March 2005 at the Hyatt Regency Atlanta, GA, USA with the IEEE 802 Plenary Session

Session #37: May 2005 and Session #38: September 2005

Solicitation for site suggestions

Indications of interest to hold the May session in Beijing and Taipei were made during the opening session.,A request was made for more proposals.

May 2005

Beijing, China – Ning Zou (Intel) and TC5 of China Communications Standards Association

Taipei, Taiwan – Chang–Lung Hsiao (ITRI)

Montreal, Canada – Jon Labs (Wavesat)

Israel or nearby – Naftali Chayat (Alvarion)

Italy (Milan, Venice, etc.) – Giulio Cavelli (Siemens Mobile Communications)

Delhi, India – Aditya Agrawal –(Beceem)

September 2005

Seoul – Panyuh Joo –(Samsung)

Italy (Milan, Venice, etc.) – Giulio Cavelli (Siemens Mobile Communications)

Session #33 report will be drafted by Roger Marks, there were no objections.

## New Business

Motion 12: Jose Puthenkulam, to allow Roger Marks and Brian Kiernan to resolve comments in Confirmation Ballot #14d 2<sup>nd</sup> Panyuh Joo

Motion 12: carries 41-0-0.

## Closing



2004-09-30

IEEE 802.16-04/59

Motion 13: Itzik Kitroser, to adjourn the meeting, 2<sup>nd</sup> Lei Wang  
Motion 13: carries with one disapprove vote.

The meeting was adjourned at on 2 September 2004 at 11:59pm.

## **Registration List: IEEE 802.16 Session #33**

### **30 August - 2 September 2004 in Seoul, Korea**

Updated 2004-09-23, 11:46 (US MT) to include the 287 attendees, including 236 with "participation" credit.

<b>"Participated*"</b>	<b>Name \Given</b>	<b>Name \Family</b>	<b>Company</b>	<b>City</b>	<b>State\Province</b>	<b>Country</b>
Yes	Edward	Agis	Intel Corp.	Newbury Park	CA	USA
No	Aditya	Agrawal	Beceem Communications, Inc.	Santa Clara	CA	USA
Yes	Mario	Aliotta	Siemens Mobile Communications	Cassina de Pecchi (MI)		Italy
Yes	Dov	Andelman	Intel Corp.	Raanana		Israel
Yes	Gordon	Antonello	Wi-LAN Inc.	Calgary	AB	Canada
No	David	Ashkenazi	Intel	raanana		Israel
Yes	Sanjeev	Athalye	Qualcomm Inc.	San Diego	CA	USA
Yes	Eli	Avivi	WaveIP Ltd.	Yokneam		Israel
No	Raja	Banerjea	Proxim Corporation	Sunnyvale	CA	USA
Yes	Phillip	Barber	Broadband Mobile Technologies	Frisco	TX	USA
Yes	Kevin	Baum	Motorola, Inc.	Schaumburg	IL	USA
Yes	Izhar	Bentov	Adavcom	San Diego	CA	USA
Yes	Rajesh	Bhalla	ZTE San Diego	San Diego	CA	USA
Yes	Eckard	Bogenfeld	Deutsche Telekom	Darmstadt		Germany
Yes	Terri	Brooks	Independent Consultant		TX	USA
Yes	Sean	Cai	ZTE San Diego	San Diego	CA	USA
Yes	Giulio	Cavalli	Siemens Mobile Communications	Cassina de' Pecchi (MI)		Italy
Yes	Chan- Byoung	Chae	Samsung Electronics Co., Ltd.	Suwon		Korea
Yes	Dean	Chang	Aperto Networks	Milpitas	CA	USA
Yes	Jae Hwan	Chang	Samsung Electronics Co., Ltd.	Suwon-si	Gyeonggi-do	Korea
Yes	Yong	Chang	Samsung Electronics Co., Ltd.	SuwonSi		Korea
Yes	Todd	Chauvin	ArrayComm	San Jose	CA	USA

Yes	Naftali	Chayat	Alvarion Ltd.	Tel Aviv		Israel
Yes	Tao	Chen	Qualcomm Inc.	San Diego	CA	USA
Yes	Yuehua (Lucy)	Chen	Huawei Technologies Co., Ltd.	Beijing		China
Yes	Aik	Chindapol	Siemens	Princeton	NJ	USA
Yes	Hua (Mary)	Chion	ZTE San Diego	San Diego	CA	USA
Yes	Jaehee	Cho	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-do	Korea
Yes	Jaeweon	Cho	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-do	Korea
Yes	Kihyoung	Cho	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Yes	Dohyung	Choi	KTF	Koyang-Shi	Gyeonggi-do	Korea
Yes	Hongseok	Choi	SK Telesys	Suwon	Gyeonggi-do	Korea
Yes	Hyoung-Jin	Choi	TTA	Seongnam city		Korea
No	Hyunyong	Choi	Seoul National University	Seoul		Korea
No	Youngkyu	Choi	Seoul National University			Korea
Yes	Joey	Chou	Intel Corp.	Chandler	AZ	USA
Yes	Jin Young	Chun	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
No	Dong Ho	Chung				Korea
Yes	Jaehak	Chung	Samsung Advanced Institute of Technology	Yongin-Si	Gyeonggi-do	Korea
Yes	Jin Yong	Chung	SOLiD Technologies, Inc.	Seoul		Korea
Yes	Kyuhuk	Chung	LG Electronics	Anyangsi	Gyeonggi-do	Korea
No	Li	Cong	UTStarcom	Hangzhou		China
No	Guy	Cote	Wavesat Inc.	Dorval	PQ	Canada
Yes	Mark	Cudak	Motorola, Inc.	Schaumburg	IL	USA
Yes	Anand	Dabak	Texas Instruments, Inc.	Dallas	TX	USA
Yes	Meimei	Dang	China Academy of Telecommunications Research	Beijing		China
Yes	Shujun (Duke)	Dang	Huawei	Beijing		China
Yes	Steve	Dennett	Nextel Communications	Reston	VA	USA

Yes	Pascale	Diaine	France Telecom R&D	South San Francisco	CA	USA
Yes	Xiaolu	Dong	China Academy of Telecom. Research, MII	Beijing		China
Yes	Lester	Eastwood	Motorola, Inc.	Schaumburg	IL	USA
Yes	Yigal	Eliaspur	Intel Corp.	Jerusalem		Israel
Yes	Oren	Elkayam	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Yes	Kamran	Etemad	Nextel Communications	Reston	VA	USA
Yes	Torsten	Fahldieck	Alcatel	Stuttgart		Germany
Yes	Yonggang	Fang	ZTE San Diego	San Diego	CA	USA
Yes	Mo-Han	Fong	Nortel Networks	Ottawa	ON	Canada
Yes	Bogdan	Franovici	Redline Communications Inc.	Markham	ON	Canada
Yes	Dan	Gal	Lucent Technologies	Morris Plains	NJ	USA
Yes	Pieter-Paul	Giesberts	Agere Systems	Nieuwegein		Netherlands
No	Sheldon	Gilbert	Independent	San Diego	CA	USA
Yes	Nikhil	Goel	nex-G Systems	Singapore		Singapore
Yes	Mariana	Goldhamer	Alvarion Ltd.	Tel Aviv		Israel
Yes	Dhananjay	Gore	Qualcomm Inc.	San Diego	CA	USA
Yes	Jin	Guo	QUALCOMM, Inc.	San Diego	CA	USA
Yes	Qiang	Guo	Motorola, Inc.	Libertyville	IL	USA
Yes	Zion	Hadad	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Yes	Yung	Hahn	Intel Corp.	Hillsboro	OR	USA
Yes	Jun	Han	ZTE San Diego	San Diego	CA	USA
Yes	Sang Yun	Han	SOLiD Technologies, Inc.	Seoul		Korea
Yes	Chris	Hansen	Intel Corp.	Hillsboro	OR	USA
No	Meirav	Har-Noy	Apax Partners			Israel
Yes	Jeff	Harrang	SR Telecom	Redmond	WA	USA
No	Takanari	Hayama	IGEL Co.,Ltd.	Mitaka	Tokyo	Japan
Yes	Haixiang	He	Nortel Networks	Billerica	MA	USA
Yes	Srinath	Hosur	Texas Instruments Inc.	Dallas	TX	USA
Yes	Yoshen	Hou	Zimax	Carlsbad	CA	USA

Yes	Chang-Lung	Hsiao	ITRI	Hsinchu		Taiwan
No	Ching-Tarnq	Hsieh	ITRI			Taiwan
Yes	Zhaoyun (Laura)	Huang	Nortel Networks	Germantown	MD	USA
Yes	John	Humbert	Sprint	Overland Park	KS	USA
Yes	Ho Tark	Hwang	KT Corp	Sungnam	Gyeonggi-do	Korea
Yes	In-Seok	Hwang	Samsung Electronics	Su-won	Gyeonggi-do	Korea
Yes	Seung Ku	Hwang	ETRI	DaeJeon		Korea
Yes	Yong Suk	Hwang	Posdata	Seongnam-si	Gyeonggi-do	Korea
Yes	Bin-Chul	Ihm	LG Electronics	Anyang	Gyeonggi-do	Korea
Yes	Prakash	Iyer	Intel Corp.	Beaverton	OR	USA
Yes	Jiho	Jang	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-Do	Korea
Yes	Jaeho	Jeon	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-do	Korea
Yes	Hyeyeon	Jeong	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-do	Korea
Yes	Moo Ryong	Jeong	DoCoMo USA Labs	San Jose	CA	USA
No	SungGeun	Jin	ETRI	Seoul		Korea
Yes	Yong Seok	Jin	LG Electronics Inc.	Anyang		Korea
Yes	Brian	Johnson	Nortel Networks	Germantown	MD	USA
Yes	Panyuh	Joo	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-do	Korea
Yes	Young-Ho	Jung	Samsung Advanced Institute of Technology	Suwon	Gyeonggi-do	Korea
Yes	Ravi	Kalavakunta	QUALCOMM Incorporated	San Diego	CA	USA
Yes	Hyunjeong	Kang	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-do	Korea
Yes	Samuel	Kang	Intel Korea, Ltd.	Youngdeungpo-ku, Seoul	Seoul	Korea
Yes	Georges	Karam	SEQUANS Communications	Paris		France
Yes	Adam	Kerr	ArrayComm, Inc.	San Jose	CA	USA
Yes	Masud	Kibria	Intel Corporation	Hillsboro	OR	USA
Yes	Brian	Kiernan	InterDigital Communications Corp	King of Prussia	PA	USA

Yes	Beomjoon	Kim	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Yes	Bong Ho	Kim	Posdata	San Jose	CA	USA
Yes	Chong-kwon	Kim	Seoul National University	Seoul		Korea
Yes	Dae-Joong	Kim	Posdata	Seongnam-si	Gyeonggi-do	Korea
No	Deuk Hwa	Kim	SK Telesys	Suwon-Si	Gyeonggi-do	Korea
No	Hojin	Kim	Samsung AIT			Korea
Yes	Jae-Young	Kim	Intel/iKRC	Seoul		Korea
No	Jaebum	Kim	Information and Communications University (ICU)	Daejeon		Korea
Yes	Jaehyeong	Kim	Posdata	Santa Clara	CA	USA
Yes	Jaeyoel	Kim	Samsung Electronics Co., Ltd.	Suwon		Korea
Yes	Jeong-Heon	Kim	Samsung Electronics Co., Ltd.	Suwon-si	Gyeonggi-do	Korea
Yes	Jeonghwi	Kim	KT Corp.	Seoul		Korea
Yes	JongSoo	Kim	SOLiD Technologies	Seoul		Korea
Yes	Jung Won	Kim	Samsung Electronics Co., Ltd.	Suwon-city	Gyeonggi-do	Korea
No	Ki Seok	Kim	DACOM	Seoul		Korea
Yes	Kyungho	Kim	Intel	Seoul		Korea
Yes	Min-Sung	Kim	KT Corp.	Seocho-gu		Korea
No	Namshik	Kim	Information and Communications University (ICU)	Daejeon	Chungcheongnam-do	Korea
Yes	Ronny (Yong-Ho)	Kim	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea
Yes	Yong Bum	Kim	KT Corp	Sungnam-city	Gyeonggi-do	Korea
No	YoungHan	Kim	Soong Sil University	Seoul		Korea
No	YoungKyun	Kim	Samsung Electronics Co., Ltd.			Korea
Yes	Yunsung	Kim	Samsung Electronics	Suwon-city	Gyeonggi-do	Korea
Yes	Itzik	Kitroser	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Yes	Chris	Knudsen	Intel Corporation	Hillsboro	OR	USA
Yes	Kyunbyoung	Ko	Samsung Electronics			Korea
No	Gyoon Byoung	Koh	Samsung Electronics Co., Ltd.			Korea

Yes	Kang Il	Koh	SK Telecom	Sungnam City	Gyeonggi-do	Korea
Yes	Changhoi	Koo	Samsung Electronics Co., Ltd.	Suwon-si	Gyeonggi-do	Korea
Yes	Takahiro	Koroda	Fujitsu Microelectronics America, Inc.			USA
Yes	Denesh	Krishnasamy	Logus Broadband Wireless Solution Inc.	Toronto	ON	Canada
Yes	Praveen	Kumar	Invenova	Morgan Hill	CA	USA
No	Hachihei	Kurematsu	Fujitsu Network Solutions LTD.	Kawasaki		Japan
No	Taishi	Kurosaki	exe technology	taitou-ku	tokyo	Japan
Yes	Yoko	Kurosawa	KDDI Corporation	Tokyo		Japan
No	Min-kon	Kwak	Posdata	Seongnam-Si	Gyeonggi-do	Korea
Yes	Dongseung	Kwon	ETRI	Daejeon		Korea
No	Ho-Jung	Kwon	Seoul National University	Seoul		Korea
No	Taesoo	Kwon	KAIST	Daejeon		Korea
Yes	Jonathan	Labs	Wavesat Inc.	Dorval	PQ	Canada
Yes	Chang-jae	Lee	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea
Yes	Dong-cheol	Lee	DACOM	Seoul		Korea
Yes	Dongkie	Lee	SK Telecom	Seoul		Korea
Yes	Heon-Il	Lee	SK Telesys	Seoul		Korea
Yes	Jae Hak	Lee	SOLiD Technologies, Inc.	Seoul		Korea
No	JaeYong	Lee	Samsung Electronics Co., Ltd.	Suwon-city	Gyeonggi-do	Korea
No	Ki-Ho	Lee	KAIST	Daejeon		Korea
No	Ki-Jun	Lee	Dacom	Seoul		Korea
Yes	Kyung-Kuk	Lee	Orthotron Co., Ltd.	Sungnam-si	Gyeonggi-do	Korea
No	Michael	Lee	Medialink, Inc.			USA
Yes	Seong Choon	Lee	KT Corp.	Seoul		Korea
Yes	Seung Joon	Lee	ETRI			Korea
Yes	Seung-Que	Lee	ETRI	Daejeon		Korea
Yes	Sungjin	Lee	Samsung Electronics	Suwon	Kyeonggi-do	Korea
No	Jae Hyok	Lee	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-do	Korea

Yes	Yigal	Leiba	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Yes	Donald	Leimer	Proxim Corporation	Rancho Palos Verdes	CA	USA
Yes	Barry	Lewis	Redline Communications Inc.	Lightwater	Surrey	UK
Yes	Jun	Li	Nortel Networks	Richardson	TX	USA
Yes	Kemin	Li	Walbell Technologies, Inc.	Bellevue	WA	USA
Yes	Chiwoo	Lim	Samsung Electronics Co., LTD	Suwon	Gyeonggi-do	Korea
Yes	Geunhwi	Lim	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-do	Korea
Yes	Hyoung Kyu	Lim	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-do	Korea
Yes	Hyoungsoo	Lim	ETRI	Daejeon		Korea
Yes	Kwangjae	Lim	ETRI	Daejeon	Chungcheongnam-do	Korea
Yes	Sun Ju	Lim	LG Electronics			Korea
Yes	Erik	Lindskog	Beceem Communications, Inc.	Santa Clara	CA	USA
Yes	Titus	Lo	Walbell Technologies, Inc.	Redmond	WA	USA
Yes	Yuval	Lomnitz	Intel	Ranana		Israel
Yes	Pierre	Lopez	Alcatel	Nanterre	France	France
Yes	Heinz	Lycklama	Open Systems Technology Associates	Arlington	WA	USA
Yes	Michael	Lynch	Nortel Networks	Richardson	TX	USA
Yes	Steve	Ma	Freescale Semiconductor, Inc.	Austin	TX	USA
No	Seung Joo	Maeng	Samsung Electronics Co., Ltd.	Suwon-City	Gyeonggi-do	Korea
Yes	Jeffrey	Mandin	Streetwaves Network Consulting	Jerusalem		Israel
Yes	Roger	Marks	NIST	Boulder	CO	USA
Yes	Scott	Migaldi	Motorola, Inc.	Schaumburg	IL	USA
No	In-young	Mok	Seoul National University	Seoul		Korea



Yes	James	Mollenauer	Technical Strategy Associates	Newton	MA	USA
Yes	Ollivier	Mont-Reynaud	Wavesat	Dorval	PQ	Canada
Yes	Dong-II (Stephan)	Moon	SK Telecom	Seoul		Korea
Yes	Yutaka	Morikawa	NEC Corporation	Yokohama	Kanagawa	Japan
Yes	Ronald	Murias	Wi-LAN Inc.	Calgary	AB	Canada
Yes	Sean	Murphy	University College Dublin	Dublin		Ireland
Yes	Kenichi	Nakamura	Fujitsu Ltd.	Tokyo		Japan
Yes	Seung Hoon	Nam	Samsung Advanced Institute of Technology	Yongin	Gyeonggi-do	Korea
No	Dinesh	Nambisan	Proxim Corporation	Sunnyvale	CA	USA
Yes	K.S.	Natarajan	Motorola, Inc.	Arlington Heights	IL	USA
Yes	Nha	Nguyen	BCSI	Plano	TX	USA
Yes	Mitsuo	Nohara	KDDI R&D Labs.	Yokosuka	Kanagawa	Japan
Yes	Paul	Odlyzko	Motorola, Inc.	Schaumburg	IL	USA
Yes	Jeong Tae	Oh	Samsung			Korea
Yes	Min Seok	Oh	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
No	SeungHun	Oh	Soong Sil University	Seoul		Korea
No	Kimihiro	Okubo	NTT DoCoMo, Inc	Tokyo		Japan
Yes	Masoud	Olfat	Nextel Communications	Reston	VA	USA
Yes	Shlomo	Ovadia	Intel Corp.	Santa Clara	CA	USA
Yes	Inkyu	Paek	Hanaro Telecom	Seoul		Korea
No	Chong Ho	Park	SK Telesys	Suwon-Si	Gyeonggi-do	Korea
Yes	Joonho	Park	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-do	Korea
Yes	Nam Hoon	Park	ETRI	DAEJEON		Korea
Yes	Pyung-Su	Park	Hanaro Telecom	Goyang-si	Gyeonggi-do	Korea
Yes	Ran Kyoung	Park	Posdata			Korea
Yes	Won-Hyoung	Park	Samsung Electronics Co., Ltd.	Suwon		Korea
Yes	Youn Ok	Park	ETRI	Daejeon		Korea
Yes	Young Man	Park	KT Corp.	Seoul		Korea

Yes	Youngsoo	Park	Samsung Electronics Co., Ltd.	Suwon		Korea
Yes	Trevor	Pearman	Beceem Communications, Inc.	Santa Clara	CA	USA
Yes	Bonnie	Petti	TRSG	Reno	NV	USA
Yes	Eshwar	Pittampalli	Lucent Technologies	Whippany	NJ	USA
Yes	Sebastien	Poisson	Oasis Wireless Inc	Vancouver	BC	Canada
Yes	Ambroise	Popper	Sequans Communications	Paris		France
Yes	Jose	Puthenkulam	Intel Corp.	Hillsboro	OR	USA
No	Feng	Qian	Via Telecom	San Diego	CA	USA
Yes	Xiaoshu	Qian	Intel Corp.			USA
Yes	B. Sundar	Rajan	Beceem Communications Pvt. Ltd.	Bangalore		India
Yes	Kamlesh	Rath	Beceem Communications, Inc.	Santa Clara	CA	USA
Yes	Anthony	Reid	Nokia Research Center	Irving	TX	USA
Yes	Eric	Reifsnider	Wireless Valley Communications, Inc.	Camas	WA	USA
Yes	Emmanuel, F	Retnasothie	CableTV Technology Inc.	Toronto	ON	Canada
Yes	Douglas	Reudink	Adaptix		WA	USA
Yes	Shane	Rogers	Wi-LAN Inc.	Calgary	AB	Canada
Yes	Wonil	Roh	Samsung Electronics Co., Ltd.	Suwon-city, Gyeonggi-do		Korea
No	Zheng	Ruobin	Huawei Technologies, Co., Ltd.	Shenzhen	Bantian Longgang District	China
Yes	Charles	Rush	TMG, Inc	Arlington	VA	USA
Yes	Byung-Han	Ryu	ETRI	Daejeon		Korea
Yes	Kiseon	Ryu	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea
No	Henry	Saam	Texas Instruments	San Diego	CA	USA
Yes	Michael	Sanderson	Cygnus Multimedia Communications			USA
Yes	Ahn	Sangkwon	Hanaro Telecom Inc.	Seoul		Korea

Yes	Fabio Mario	Scalise	STMicroelectronics	Grenoble		France
Yes	Gregory	Schumacher	Nextel Communications	Reston	VA	USA
Yes	Randall	Schwartz	Intel Corp.			USA
Yes	Christian	Seagren	Sprint	Overland Park	KS	USA
Yes	Yossi	Segal	Runcom Technologies Ltd.	Rishon Le Zion		Israel
No	Radu	Selea	Redline Communications Inc.	Markham	ON	Canada
Yes	Eli	Shasha	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Yes	Kyung Yeol	Sohn	ETRI	Daejeon		Korea
Yes	David	Solomon	Fujitsu Network Communications	Pearl River	NY	USA
Yes	Jung Je	Son	Samsung Electronics Co., Ltd.	Seoul		Korea
Yes	Yeong Moon	Son	Samsung Electronics Co., Ltd.	Suwon-si	Gyeonggi-do	Korea
No	Jee-young	Song	KAIST	Daejeon		Korea
Yes	Junhyuk	Song	Samsung Electronics Co., Ltd.	Suwon-city		Korea
Yes	Kenneth	Stanwood	Cygnus Multimedia Communications	Carlsbad	CA	USA
Yes	Kenneth	Stewart	Motorola	Libertyville	IL	USA
No	Ilan	Sutskover	Intel Corp.	Petach Tikva		Israel
Yes	Kazuki	Tani	KDDI Corporation	Chiyoda-ku		Japan
Yes	Shawn	Taylor	Cygnus Multimedia Communications	Carlsbad	CA	USA
Yes	Yongjoo	Tcha	KT Corp.	Seoul		Korea
Yes	Wen	Tong	Nortel Networks	Ottawa	ON	Canada
Yes	Mano	Vafai	Aperto Networks	Milpitas	CA	USA
Yes	Subramanian	Vasudevan	Lucent Technologies	Whippany	NJ	USA
Yes	Frederick	Vook	Motorola, Inc.	Schaumburg	IL	USA
No	Dhwani	Vyas	Philips Semiconductors	Nijmegen		Netherlands
Yes	Fan	Wang	Motorola Inc.	Arlington Heights	IL	USA
Yes	Guo Qiang	Wang	Nortel Networks	Ottawa	ON	Canada
Yes	Irving	Wang	ZTE San Diego	San Diego	CA	USA

No	Jing	Wang	ZTE San Diego	San Diego	CA	USA
Yes	Lei	Wang	Wi-LAN Inc.	Calgary	AB	Canada
Yes	Youchun	Wang	Huawei Technologies	Shenzhen		China
Yes	Yasuyuki	Watanabe	KDDI R&D Laboratories Inc.	Kamifukuoka	Saitama	Japan
Yes	Yang	Weimin	Huawei Technologies, Co., Ltd.	Shenzhen	Bantian Longgang District	China
Yes	Dong-Jun	Weon	LG Electronics	Anyang	Gyeonggi-do	Korea
No	Jeong Wook	Won				Korea
No	Sung-Shik	Woo	KTF	Koyang	Gyeonggi-do	Korea
Yes	Xuyong	Wu	Huawei	Shenzhen	Guangdong	China
Yes	Hassan	Yaghoobi	Intel Corp.	Santa Clara	CA	USA
Yes	Jun	Yamazaki	Motorola	Tokyo		Japan
Yes	Ran	Yaniv	Alvarion Ltd.	Tel-Aviv		Israel
Yes	Takashi	Yano	Hitachi, Ltd.	Tokyo		Japan
Yes	Choong-Il	Yeh	ETRI	Deajeon		Korea
Yes	Sang-Kuk	Yeh	LG Electronics			Korea
Yes	Kunmin	Yeo	ETRI	Daejeon		Korea
No	Ho-Sang	Yoo	GT & T	Seoul		Korea
No	Joon	Yoo				Korea
Yes	Chulsik	Yoon	ETRI	Daejeon		Korea
Yes	Cheolwoo	You	Samsung Advanced Institute of Technology	Yongin-si	Gyeonggi-do	Korea
Yes	Chang Wahn	Yu	ETRI	Daejeon		Korea
Yes	Mi-Young	Yun	ETRI	Daejeon	Chungcheongnam-do	Korea
Yes	Sangboh	Yun	Samsung AIT			Korea
No	Ruobin	Zheng	Huawei Technologies Co., Ltd.			China
Yes	Keqiang (Kevin)	Zhu	ZTE San Diego	San Diego	CA	USA
Yes	Peiying	Zhu	Nortel Networks	Ottawa	ON	Canada
No	Ning	Zou	Intel China Ltd.	Beijing		China

\*Session #33 "participation" credit was granted to those participating in seven session intervals, provided that registration fees were paid.

## IEEE 802.16 Session #33 Report



### Summary

Session #33 of the IEEE 802.16 Working Group on Broadband Wireless Access took place on 30 August - 2 September 2004 in Seoul, Korea. The session was hosted by Panyuh Joo and Changhoi Koo of corporate host Samsung Corporation. The attendance of 287 set a record for an 802.16 interim session.

### Comment Resolution on Mobile WirelessMAN (P802.16e) Draft

Comments were resolved following the third recirculation of the Working Group Letter Ballot regarding the IEEE P802.16e draft, which will enhance the WirelessMAN air interface to support mobile as well as fixed users. This activity will lead Task Group e to the development of Draft 5. The schedule, which anticipates completion of the standard in late 2004, remains in effect. Task Group e issued a closing report and minutes.

- **Update:** Draft 5 is being reviewed in a Working Group Confirmation Ballot, from 18 September-3 October 2004.
- **Update:** The IEEE 802 Executive Committee is considering a motion to grant approval, conditionally, to forward the P802.16e draft for IEEE Sponsor Ballot, upon successful completion of the confirmation ballot.
- **Update:** The IEEE-SA Standards Board approved a modified P802.16e PAR on 23 September 2004. The discussion involved the consideration of a statement from the Working Group and Task Group Chairs as well as a set of supportive statements from industry.

### Initial Progress on Two Network Management PARs

The new IEEE 802.16 Network Management Task Group held its first meeting and began progress on two PARs that we approved by the IEEE-SA Standards Board in June. Regarding the P802.16f Management Information Base (MIB) project for fixed service, a substantial contribution was adopted as

the basis of an initial draft, and Working Group Letter Ballot #16 will open soon to consider its approval. Regarding the [P802.16g](#) project on Management Plane Procedures and Services, seven contributions were received, and a new new Call for Contributions will be issued on several specific topics.

- *Update:* A [Call for Contributions](#) was issued on 20 September concerning several specific topics regarding P802.16g.
- *Update:* [P802.16f/D1](#) will be released by 1 October. Working Group Letter Ballot #16, to review that draft, will follow shortly.

### **Corrigendum to IEEE Standard 802.16-2004**

The Working Group expects approval, on 23 September, of a new PAR for a Corrigendum to quickly correct errors that may be found in the new IEEE Standard 802.16-2004 (publication of which is now expected in late September 2004 following IEEE-SA Standards Board approval in June). In anticipation of PAR approval, the new [Maintenance Task Group](#) begun collecting and reviewing reports of errors in the standard. An additional Call for Comments will be issued, and a Working Group Letter Ballot on a set of corrections is expected beginning in November following Session #34.

- *Update:* The IEEE-SA Standards Board approved PAR [P802.16-2004/Cor 1](#) for the Corrigendum on 23 September 2004.
- *Update:* The [Call for Comments](#) was issued on 24 September 2004.

### **Conformance Standards**

The Conformance Task Group reviewed a contribution from ETSI BRAN recommending that an ETSI draft PICS be accepted as the basis of the [P802.16/Conformance04](#) (PICS Proforma for frequencies below 11 GHz). A decision was made to create a baseline PICS document per the ETSI suggestion and then to issue a Call for Comments regarding it.

Separately, [IEEE Standard 802.16/Conformance02-2003](#), an earlier product of Conformance Task Group, entered the [Get IEEE 802](#) program where it is now available for free download. The standard addresses the "Test Suite Structure and Test Purposes (TSS&TP) for 10-66 GHz WirelessMAN-SC Air Interface."

- *Update:* A P802.16/Conformance04 working document is expected by 1 October for comments.

### **New IEEE 802.16 Study Group on Licensed-Exempt Coexistence**

The Working Group's [Study Group on Licensed-Exempt Coexistence](#) held its first meetings and decided to recommend a PAR for a new project. The Working Group chose to hold [Working Group Letter Ballot #15](#) on the topic of forwarding a proposed PAR and Five Criteria Statement.

- *Update:* [Working Group Letter Ballot #15](#) ran through 22 September 2004. The ballot was



approved, pending comment resolution.

- **Update:** [IEEE Standard 802.16.2-2004](#) ("IEEE Recommended Practice for Local and metropolitan area networks - Coexistence of Fixed Broadband Wireless Access Systems") entered the [Get IEEE 802](#) program where it is now available for free download. The standard addresses licensed-band coexistence.

## Working Group Liaison Activities

- The WG sent a [letter to Technical Committee TC5 of the China Communication Standards Association \(CCSA\)](#) regarding the designation of liaison officials between the two bodies.
- The WG sent a [letter to ETSI BRAN](#) responding to two contributions from the ETSI BRAN Vice Chair.
- Panyuh Joo, liaison from TTA PG302, presented an [overview of TTG PG302](#).

## Future Meetings

- IEEE 802.16's [Session #34](#) will take place on 15-18 November 2004 in conjunction with the [IEEE 802 Plenary Session](#). The session is definitely planned for San Antonio, TX, USA.
- IEEE 802.16's [Session #35](#) will be held in Sanya, Hainan, China on 24-27 January 2005. The host will be Lucy Chen of Huawei Technologies Co.
- IEEE 802.16's [Session #36](#) will take place on 14-17 March 2005 in conjunction with the [IEEE 802 Plenary Session](#) at the Hyatt Regency Atlanta, GA, USA.
- Site selection for **both** IEEE 802.16's [Session #37](#) (May 2005) and Session #39: (September 2005) is planned for the Closing Plenary of [Session #34](#). Hosting solicitations are invited; see the [Interim Session Guidelines](#), noting that an update to these Guidelines is expected before Session #34. Interest were expressed in hosting either one of these sessions in Beijing, Taipei, Montreal, Israel, Italy, Delhi, and Seoul.

## Documents

The [Session #33 document list](#) includes references to hundreds of session documents.

## Working Group Membership

The [Working Group Membership](#) remains at 151. Over 100 [Potential Members](#) are eligible for membership by attending Session #34.

## Minutes and Motions

The Working Group minutes are available as [IEEE 802.16-04/59](#). Significant motions drafted for presentation at the Closing Plenary are embedded in the [Closing Plenary Agenda](#).

## New "802.16 News" Mailing List

A new "802.16 News" mailing list ("stds-802-16-news") has been established, with the sole purpose of distributing major announcements related to the Working Group. Those interested in following the progress of the group but not in the day-to-day details may wish to [subscribe](#). Only the Working Group Chair is eligible to post to the list, and mailings will be rare: once after each bimonthly session and additionally for major news, such as the approval of a new standard. Those subscribing to the stds-802-16 mailing list, for active Working Group participants, need not subscribe to stds-802-16-news since the postings will be redundant.

### **About IEEE 802.16**

The [IEEE 802.16 Working Group on Broadband Wireless Access Standards](#) has developed and is enhancing the **WirelessMAN**<sup>TM</sup> Standard for wireless metropolitan area networks. IEEE 802.16 is a unit of the [IEEE 802 LAN/MAN Standards Committee](#), the premier transnational forum for wired and wireless networking standardization. A [list of IEEE 802.16 standards and drafts](#) is available on-line, as is a [project milestone summary](#) and an archive of previous [Session Reports](#).

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With the approval of the IEEE 802.16 Working Group, this report was drafted and edited (Update Edition: 30 September 2004) by:

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