

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 #39</b>	
Date Submitted	<b>2005-10-18</b>	
Source(s)	Dean S.K. Chang Aperto Networks	Voice: +1 408-719-9977 <a href="mailto:dchang@apertonet.com">mailto:dchang@apertonet.com</a>
Re:	IEEE 802.16 Session #39 Minutes (Taipei, Taiwan)	
Abstract		
Purpose	To record minutes of the IEEE 802.16 Working Group's Opening and Closing Plenary meetings.	
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 #39

IEEE 802.16 Working Group

Taipei, Taiwan

12-15, September 2005

## Opening Plenary

### Call to Order

Roger Marks called the meeting to order at 1:08 pm on 12 September 2005.

### IEEE 802.16 Working Group Officers

Chair: Roger Marks

Vice Chair: Ken Stanwood

Secretary: Dean Chang

### Attendance

Attendance Sign-In procedure:

Attendance Intervals: 9 [Mon pm; Mon night; Tue am; Tue pm; Wed am; Wed pm; Thu am; Thu pm; Thu night]

"Participation" Requirement: 7 intervals

No Attendance Books; electronic only.

Attendance credit not granted without on-line registration.

Attendance credit not granted for participation in meeting of other Working Groups at interim sessions.

### Agenda

Motion1: Phillip Barber, To approve the Opening Plenary Agenda on the 802.16 web site, 2nd Jose

Motion 1: approved by unanimous vote.

See <http://ieee802.org/16/meetings/mtg39/opening.html>

Motion 2: Ron Murias, To approve the minutes of Session #38 (IEEE 802.16-05/054), 2<sup>nd</sup> Frank Draper.

Motion 2: approved by unanimous voice vote.

### Announcements

#### *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://ieee802.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.

## TGe

Brian Kiernan, Chair

Ron Murias, Technical Editor

The group needs to complete new draft D11 for recirculation before midnight tonight.

See opening report IEEE 802.16e-05/019 for more details.

P802.16e/D10 Sponsor Ballot Recirculation completed

141 votes received

133 Approve

8 Disapprove

94.3% Affirmative

Sponsor Ballot Recirculation comments recorded in database 802.16-05/064r3

151 Comments (including 4 late)

62 Editorial

34 Technical, Binding

54 Technical, Non Binding

1 Coordination

5 contributions received during ballot recirculation

Goal is to complete comment resolution before 5pm today.

## Maintenance Task Group

Jon Labs, Chair

Itzik Kitroser, Editor

Assistant Editor: Marcos Vasconcellos

Ballot results 141 approve 89% approval rating

10 Disapprove

7 Abstain

168 Ballots

Motion 3: To authorize To authorize TG Maintenance to accept on behalf of the WG the resolutions of comments from Sponsor Ballot Recirc 0001073, as will be recorded in IEEE 802.16-05/065r4, to develop Draft P802.16-2004/Cor1/D5 based on those resolutions, and authorize the request to initiate a Confirmation Sponsor Ballot"2<sup>nd</sup> Rainer Ullman

Motion 3: carries by unanimous voice vote

## Recess

Motion 4: Ken Stanwood, to recess the plenary until 10am tomorrow, 2<sup>nd</sup> Lei Wang.  
 Motion 4: carries by unanimous voice vote.

## Reopening

The meeting was called to order on Tuesday 13, September 2005 at 10:10am.

The agenda was described as follows: an update from each task group, review of future sessions, and liaison activity.

## Maintenance Task Group

Jon Labs, Chair  
 Itzik Kitroser, Editor  
 Assistant Editor: Marcos Vasconcellos

See closing report IEEE 802.16maint-05/023 for details.

80216-05/065r4:

Total: 57                      Late: 5

Technical (binding): 8

Technical (nonbinding): 26

Editorial: 18

Coordination: 1

Accepted/Accepted-Modified: 45

Rejected: 4

Superseded: 5

Withdrawn: 3

All comments were reviewed in the meeting.

Motion 5: to request that P802.15-2004/Cor1/D5 be submitted to RevCom for early consideration, 2<sup>nd</sup> Arthur Wang  
 Motion 5: carries by unanimous voice vote.

## TGe

Brian Kiernan, Chair  
 Ron Murias, Technical Editor

See closing report in IEEE 802.16e-05/020r1 for details.

147 comments submitted in Ballot recirculation

6 late comments during comment resolution

Received 5 contributions prior to meeting, 2 during meeting

All on time and late comments and associated contributions were resolved – results are recorded in comment database 802.16-05/064r4

Accepted about 97% of the comments. Only 3 were rejected.

Motion 6: To request that P802.16e/D11 be submitted to RevCom for early consideration, 2<sup>nd</sup> Panyuh Joo.  
 Motion 6: carries by unanimous voice vote.

## Network Management Task Group

Chair: Phillip Barber

Opening agenda details in IEEE 802.16netman-05/016r1.

The current work is now in 802.16g. Due to the work load, the group will not even meet on Thursday.

## Network Management Task Group

Chair: Gordon Antonello

802.16/Conformance04 completed WG Letter Ballot Recirc #18b. The group received 9 comments, 8 technical binding and 1 technical non-binding. The approval ratio has fallen below the 75% minimum.

## License-Exempt Task Group

Mariana Goldhamer, Chair

See agenda IEEE 802.16h-05/019.

The group is now working on coexistence. A number of contributions were received and will be reviewed by the group.

Roger Marks observed that he has heard discussions about security in this project and commented that it is not obvious that security is within scope of the PAR. He requested a presentation to review this scope issue at the closing plenary meeting.

## Mobile Multi-hop Relay Study Group

Mitsuo Nohara, Chair

About 9 contributions were received and will be reviewed during the meetings.

Straw Poll count of the intended participation at the various meetings for Wed morning

NetMan	45
Relay	99
Conformance	4

On this basis, rooms were assigned.

Straw Poll of people going to the Licensed Exempt Task Group

Licensed Exempt Task Group 19

## Liaison

### ***IETF***

Jeff Mandin, IETF liaison official, reported

IETF EAP completed a 2<sup>nd</sup> review of 802.16e. A number of security suggestions were made, and most were implemented in the 802.16e draft. A letter from IETF to the WG was reviewed (IEEE L802.16-05/050). A draft will be prepared at the Closing Plenary.

## Future Sessions

Session #40: 14-17 November 2005: Fairmont Hotel Vancouver, Vancouver, BC, Canada

Session #41: 9-12 January 2006: New Delhi, India Hosted by Aditya Agrawal of Beceem Communications

Straw Poll as to how many people will attend the January meeting – 93. How many people do not expect to be at the meeting in New Delhi – 1. Many are undecided.

Session #42: March 2006, with IEEE 802 Plenary Session. Originally scheduled for 13-16 March in New Orleans, LA, USA. Tentatively being planned for a week earlier in Denver at the new Hyatt Regency.

Session #43: Proposal of Naftali Chayat to hold Session #43 in Israel during May, sponsored by Alvarion, was accepted during Session #38.

Location Preference Straw Poll:

Tel Aviv – 46

Eilat - 23

Session #45; site to be determined during Session #40

Session #45 proposals solicited.

## Closing

Motion 7: Phillip Barber, to adjourn the Opening Plenary meeting 2<sup>nd</sup> Greg Phillips

Motion 7: carries by unanimous voice vote.

The meeting was adjourned at 11:50am on 13, September 2005.

## Closing Plenary

### Call to Order

Roger Marks called the meeting to order at 7:05 pm, 15 September 2005.

## IEEE 802.16 Working Group Officers

Chair: Roger Marks

Vice Chair: Ken Stanwood

Secretary: Dean Chang

## Agenda

See <http://ieee802.org/16/meetings/mtg39/closing.html>

Motion 8: Frank Draper, to approve the Closing Plenary Meeting Agenda as presented, 2<sup>nd</sup> Carl Eklund.

Motion 8: carries by unanimous voice vote.

## TGe

Brian Kiernan, Chair

Motion 9 (Brian Kiernan): To authorize the Working Group and Task Group chairs to resolve any comments received during the 802.16e Sponsor Ballot Recirculation, 2<sup>nd</sup> Carl Eklund.

Motion 9: carries 38-0-0.

## Maintenance Task Group

Jon Labs, Chair

Itzik Kitroser, Editor

Assistant Editor: Marcos Vasconcellos

Motion 10 (Jon Labs): To authorize the Working Group and Task Group Maintenance chairs to resolve any comments received during the 802.16-2004/Cor1 Sponsor Ballot Recirculation, 2<sup>nd</sup> Phillip Barber.

Motion 10: carries 36-0-0.

## Network Management Task Group

Chair Phillip Barber

See closing report (IEEE 802.16netman-05/017) for details.

There were 20 comments and 9 contributions to NetMan regarding 802.16g. All were resolved.

Continued development on the Mobile MIB PAR and 5 criteria.

Discussed the IETF Liaison Letter on Security.

The group reviewed the proposed Mobile MIB PAR in C802.16g-05/051r1.

Motion 11: To authorize the WG and NetMan Task Group chairs to finalize preparation and forward to EC and NesCom, a PAR based on 802.16g-05/051r2, 2<sup>nd</sup> Jose Puthenkulam note: 802.16g-05/051r2 to be constructed from 802.16g-05/051r1 based on revisions presented

Motion 11: carries 40-0-0.

## Conformance Task Group

Gordon Antonello, Chair

See closing report (IEEE 802.16C-05/005r1) for details.

All 9 comments received during WG Letter Ballot Recirc #18b were resolved.

Motion 12: To accept IEEE 802.16-05/066r1\* as the resolution of Letter Ballot #18b, 2<sup>nd</sup> Phillip Barber.

Motion 12: carries by unanimous voice vote

Motion 13: To adopt a Working Group draft P802.16Conf04/D4, to be created from IEEE P802.16Conf04/D3 and applying the comment resolutions in IEEE 802.16-05/066r1; and to initiate Working Group Letter Ballot recirculation #18c", 2<sup>nd</sup> Ed Agis.

Motion 13: carries by unanimous voice vote.

[\*Note: The comment resolution document was misnumbered. It has been renumbered as IEEE 802.16-05/075r1.]

## License-Exempt Task Group

Mariana Goldhamer, Chair

See the closing report (IEEE 802.16h-05/021r1) for details.

7 contributions were reviewed.

Ms. Goldhamer offered an explanation of why the TG is addressing security issues.

## Mobile Multi-hop Relay Study Group

Mitsuo Nohara, Chair

See the closing report (IEEE 802.16mmr-05/020r1) for details.

16 contributions were reviewed.

Some discussion was held about developing a PAR and 5 Criteria. A call for contributions will be issued for this shortly.

## Liaison

### *IETF EAP*

Phillip Barber

IETF Review of IEEE P802.16e/D10 (IEEE L802.16-05/050) was discussed. Mr. Barber presented a response, drafted by Jeff Mandin. It was reviewed by the working group.

Motion 14: To approve the liaison document IEEE L802.16-05/051, subject to editorial revision, 2<sup>nd</sup> Jose Puthenkulam.

Motion 14: carries 38-0-0.

### *Letter to Host*

A thank you letter will be developed to the hosts of this meeting.

Suggestions that should be included in the letter:

The Hotel and facilities were excellent



Poolside Party  
Great food and lots of it  
The coffee was available all the time.

Roger will develop the letter and distribute it to the Hosts. No objections were made for Roger to develop this letter.

### ***Letter to BUPT***

This letter (IEEE L802.16-05/052) was proposed to be sent to Prof. Liu Yuan An.

In response to presentation of the letter, no objections were raised.

## **Future Sessions**

Session #40: 14-17 November 2005: Fairmont Hotel Vancouver , Vancouver, BC, Canada

Session #41: 9-12 January 2006: New Delhi, India. Hosted by Aditya Agrawal, Beceem Communications.

Session #42: March 2006, with IEEE 802 Plenary Session. Originally scheduled for 13-16 March in New Orleans, LA, USA. Tentatively being planned for a week earlier in Denver at the new Hyatt Regency.

Session #43: Proposal of Naftali Chayat to hold Session #43 in Israel during May, sponsored by Alvarion, was accepted during Session #38.

Session #45: site to be determined during Session #40. Proposals solicited. Frank Draper suggested Mont Tremblant, Canada and expects to formally propose it.

## **Publicity**

Chair is authorized to prepare a Session #39 Report with no objection from the working group.

## **Closing**

Motion 15: Ron Murias, to adjourn the meeting 2<sup>nd</sup> Arthur Wang.

Motion 15: carries by unanimous voice vote.

The meeting was adjourned at pm on 9:31pm on 15 September 2005.

## **Registration List: IEEE 802.16 Session #39 12-15 September 2005 in Taipei, Taiwan**

Updated 2005-10-31 to show 226 attendees, including 173 with "participation" credit..

<b>Participation Credit</b>	<b>Name\Given</b>	<b>Name\Family</b>	<b>Company</b>	<b>City</b>	<b>State\Province</b>	<b>Country</b>
Yes	Ray	Abrishami	Fujitsu Microelectronics America	Sunnyvale	CA	USA
Yes	Edward	Agis	Intel Corp.	Newbury Park	CA	USA
No	Aditya	Agrawal	Beceem Communications	Santa Clara	CA	USA
No	Jonathan	Agre	Fujitsu Laboratories of America	College Park	MD	USA
Yes	Murtaza	Ali	Texas Instruments	Dallas	TX	USA
Yes	Gordon	Antonello	Wi-LAN Inc.	Calgary	AB	Canada
Yes	Masahito	Asa	Motorola Japan Ltd.	Tokyo		Japan
Yes	Sanjeev	Athalye	Qualcomm Inc.	San Diego	CA	USA
No	Malik	Audeh	Tropos Networks	Sunnyvale	CA	USA
No	Sung Kwan	Baek	Posdata	Seoul	Gyeonggi-do	Korea
Yes	Phillip	Barber	Huawei	Frisco	TX	USA
Yes	Izhar	Bentov	Adavcom	San Diego	CA	USA
Yes	Rajesh	Bhalla	ZTE Communications	San Diego	CA	USA
Yes	Eyal	Bick	Intel			Israel
Yes	Yigal	Bitran	Altair	Tel Aviv		Israel
Yes	Eckard	Bogenfeld	Deutsche Telekom	Darmstadt		Germany
Yes	Sean	Cai	ZTE Communications	San Diego	CA	USA
Yes	Jim	Carlo	Consultant (for Huawei)	Dallas	TX	USA
Yes	Giulio	Cavalli	Siemens Mobile Communication	Cassina de' Pecchi (MI)		Italy
Yes	Jaesun	Cha	ETRI	Daejeon		Korea
Yes	Chung	Chang	RedDot Wireless Inc	Milpitas	CA	USA

Yes	David	Chang	Telways Communication Co., Ltd.	Taipei		Taiwan
Yes	Dean	Chang	Aperto Networks	Milpitas	CA	USA
Yes	Jae Hwan	Chang	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Yes	Jim	Chao	Lucent Technologies	Naperville	IL	USA
Yes	Naftali	Chayat	Alvarion Ltd.	Tel Aviv		Israel
Yes	RÈmi	Chayer	Wavesat Inc.	Dorval	PQ	Canada
Yes	Allen	Chen	Cameo Communications, INC.	Taipei		Taiwan
No	Brian YinJen	Chen	Fujitsu Microelectronic Pacific Asia Ltd., Taiwan Branch	Taipei		Taiwan
No	Dennis	Chen	Foxconn	Hsinchu		Taiwan
Yes	Jennifer	Chen	ZTE San Diego	San Diego	CA	USA
No	Jiunn-Tsair	Chen	ITRI/CCL	Chutung, Hsinchu		Taiwan
Yes	Ren-Jr	Chen	Industrial Technology Research Institute	Hsinchu		
No	Sau-Gee	Chen	National Chiao Tung University	Hsinchu		Taiwan
Yes	Shih-I	Chen	Institute for Information Industry	Taipei		Taiwan
Yes	Yuehua (Lucy)	Chen	Huawei Technologies Co., Ltd.	Beijing		China
Yes	Ray-Guang	Cheng	National Taiwan University of Science and Technology	Taipei		Taiwan
Yes	Tony	Chi	Delta Networks, Inc.	Taipei		Taiwan
Yes	Aik	Chindapol	Siemens	Princeton	NJ	USA
Yes	Hua (Mary)	Chion	ZTE Communications	San Diego	CA	USA

Yes	Jaehee	Cho	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Jaeweon	Cho	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Kihyoung	Cho	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Yes	Chie Ming	Chou	ITRI	Hsinchu		Taiwan
Yes	Hunglin	Chou	ITRI	Hsinchu		Taiwan
Yes	Joey	Chou	Intel Corp.	Chandler	AZ	USA
Yes	Thomas	Cook	Troicom Inc.	Tustin	CA	USA
No	Mark	Cudak	Motorola Inc.	Schaumburg	IL	USA
No	George	Cummings	Motorola	Chandler	AZ	USA
Yes	Shujun	Dang	Huawei Technologies	Beijing		China
Yes	Roy Thomas	Derryberry	Nokia	Irving	TX	USA
No	Wim	Diepstraten	Motorola	Nieuwegein	Utrecht	The Netherlands
Yes	Frank	Draper	Wavesat	Dorval	PQ	Canada
Yes	Tomas	Edler	Ericsson AB	Kista		Sweden
Yes	Carl	Eklund	Nokia Inc.	Helsinki		Finland
No	Yigal	Eliaspur	Intel Corp.	Jerusalem		Israel
Yes	Torsten	Fahldieck	Alcatel	Stuttgart		Germany
Yes	Avraham	Freedman	Hexagon System Engineering Ltd.	Petah-Tikva		Israel
Yes	Randy	Frei	SkyPilot Networks	Santa Clara	CA	USA
No	I-Kang	Fu	ITRI	Chutung, Hsinchu		Taiwan
No	Pieter-Paul	Giesberts	Motorola	Utrecht		Netherlands
Yes	Mariana	Goldhamer	Alvarion Ltd.	Tel Aviv		Israel
Yes	Reza	Golshan	Fujitsu Microelectronics America, Inc.	Sunnyvale	CA	USA
No	Chris	Hansen	Intel Corporation	Hillsboro	OR	USA
Yes	Mike	Hart	Fujitsu	Hayes	Middx	UK
Yes	Gregory	Henderson	Research In Motion	Irving	TX	USA
Yes	Songnam	Hong	SAMSUNG	SUWON	Gyeonggi-do	Korea
Yes	Chang-Lung	Hsiao	M300, CCL/ITRI	Chutung, Hsinchu		Taiwan
Yes	Yu-Ching	Hsu	ITRI	Hsinchu		Taiwan

No	Shih-Chang	Huang	Nation Chiao Tung University	HsinChu		Taiwan
Yes	John	Humbert	Sprint	Overland Park	KS	USA
No	Yerang	Hur	Posdata America R&D Center	Santa Clara	CA	USA
Yes	Ju-chul	Hwang	LG Electronics		Gyeonggi-do	Korea
No	Bin-Chul	Ihm	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Yes	Moo Ryong	Jeong	DoCoMo USA Labs	San Jose	CA	USA
Yes	Panyuh	Joo	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Takeo	Kanai	Softbank BB Corp.	Tokyo		Japan
Yes	Hyunjeong	Kang	Samsung Electronics	Suwon	Gyeonggi-do	Korea
No	Ivy	Kelly	Sprint	Overland Park	KS	USA
Yes	Farideh	Khaleghi	Nextwave	San Diego	CA	
Yes	Brian	Kiernan	InterDigital Communications Corp.	King of Prussia	PA	USA
Yes	Beomjoon	Kim	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
No	Dae-Joong	Kim	Posdata	Seongnam-si	Gyeonggi-do	Korea
Yes	Youngho	Kim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
No	Shigenori	Kinjo	Que-wave Co.,Ltd.	Naha	Okinawa	Japan
No	Changhoi	Koo	Samsung Telecommunication America	Richardson	TX	USA
No	Frank	Kuo	Cameo Communications, INC.	Taipei		Taiwan
Yes	Kao-Yueh	Kuo	ITRI	Chutung	Hsinchu	Taiwan
Yes	Tso-Ling	Kuo	Telecom technology center	Lujhu, Kaohsiung		Taiwan
Yes	Wen-Yi	Kuo		Taipei		Taiwan
Yes	Toshiyuki	Kuze	Mitsubishi Electric	Kamakura, Kanagawa		Japan
Yes	Jonathan	Labs	Wavesat Inc.	Dorval	PQ	Canada
Yes	Kari	Laihonen	TeliaSonera	Helsinki		Finland

Yes	Guillaume	Lebrun	France Telecom	Cesson Sevigne Cedex		France
No	Chang-jae	Lee	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea
Yes	Chi-Chen	Lee	ITRI	Chutung		Taiwan
Yes	Mihyun	Lee	Samsung Electronics	suwon-si	Gyeonggi-do	Korea
Yes	Sungjin	Lee	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Youn-Tai	Lee	Institute for Information Industry	Taipei		Taiwan
Yes	Yung-Ting	Lee	Institute for Information Industry	Taipei		Taiwan
Yes	Jia-Ru	Li	Extreme Networks	Santa Clara	CA	USA
Yes	Jiang	Li	Huawei Technologies Co., Ltd.	Shanghai		China
Yes	Jun	Li	Nortel Networks	Richardson	TX	USA
Yes	Tao	Li	FutureWei Technologies	Santa Clara	CA	USA
No	Yi-Chen (John)	Li	Agere Systems	Sydney	NSW	Australia
Yes	Yao-Jen	Liang	National Taiwan University	Taipei		Taiwan
Yes	Gaspere	Licitra	Siemens	Milan		Italy
Yes	Aeri	Lim	Samsung Electronics Co.	Suwon-city	Gyeonggi-do	Korea
Yes	Geunhwi	Lim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Hyoung Kyu	Lim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
No	Chen-Hau	Lin	ITRI	Taipei		Taiwan
Yes	Shou-Sheu	Lin	CCL/ITRI			Taiwan
Yes	Tzu-Ming	Lin	ITRI	Hsingchu		Taiwan
Yes	Wilfred	Lin	Delta Networks Inc.	Taipei		Taiwan
No	William	Lin	Foxconn	Hsinchu		Taiwan
Yes	Zhibin	Lin	Huawei Technologies	Shanghai		China

Yes	Chia-Horng	Liu	Chunghwa Telecom. Lab.	Taoyuan		Taiwan
Yes	Sean S.T.	Liu	CyberTAN Technology, Inc.	Hsinchu		Taiwan
No	Tehuang	Liu	National Taiwan University	Taipei		Taiwan
Yes	Heinz	Lycklama	Adaptix, Inc.	Arlington	WA	USA
Yes	Gin-Kou	Ma	ITRI	Hsinchu		Taiwan
Yes	Steve	Ma	Freescale Semiconductors	Austin	TX	USA
No	David	Maez	Navini Networks	Richardson	TX	USA
Yes	David	Maidment	picoChip	Bath		UK
Yes	Mahesh	Makhijani	Ericsson	San Diego	CA	USA
Yes	Jeffrey	Mandin	Streetwaves Networking	Jerusalem		Israel
Yes	Roger	Marks	NIST	Boulder	CO	USA
No	Asaf	Matatyaou	ArrayComm	San Jose	CA	USA
No	David	Mcginness	Sprint	Naperville	IL	USA
Yes	Scott	Migaldi	Motorola	Schaumburg	IL	USA
Yes	James	Mollenauer	Technical Strategy Associates	Newton	MA	USA
Yes	Ollivier	Mont-Reynaud	Wavesat Inc.	Dorval	PQ	Canada
Yes	Jung-Mo	Moon	ETRI	Daejeon	Chungcheongnam-do	Korea
Yes	Ronald	Murias	Wi-LAN Inc.	Calgary	AB	Canada
Yes	Laith	Naaman	Intel Corp	Santa Clara	CA	USA
Yes	Michiharu	Nakamura	Fujitsu Laboratories Ltd.	Yokosuka	Kanagawa	Japan
Yes	Mitsuo	Nohara	KDDI R&D Laboratories, Inc.	Kamifukuoka	Saitama	Japan
Yes	Min Seok	Oh	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Yes	Alan	Or	ZTE	San Diego	CA	USA
Yes	David	Paranchych	Nortel	Richardson	TX	USA
Yes	Youngsoo	Park	Samsung Electronics Co., Ltd.	Suwon		Korea
Yes	Roger	Peterson	Motorola Labs	Schaumburg	IL	USA
No	Greg	Phillips	AirTegrity Wireless, Inc.	Stateline	NV	USA

Yes	Paul	Piggin	Cygnus Multimedia Communications	Carlsbad	CA	USA
No	Ambroise	Popper	Sequans Communications	Paris		France
Yes	Michael (Scott)	Probasco	Nokia	Irving	TX	USA
Yes	Jose	Puthenkulam	Intel Corp.	Hillsboro	OR	USA
Yes	Nanjian (Jeff)	Qian	ZTE San Diego Inc.	San Diego	CA	USA
Yes	Hongyun	Qu	ZTE	Shenzhen	Guangdong	China
No	Arvind	Raghavan	ArrayComm	San Jose	CA	U.S.A
Yes	Shyamal	Ramachandran	Motorola, Inc.	Maitland	FL	US
Yes	Frank	Royal	Redline Communications Inc.	Markham	ON	Canada
Yes	Anthony	Reid	Nokia	Irving	TX	USA
Yes	Fang-Ching	Ren	ITRI	Hsinchu		Taiwan
Yes	Herbert	Ruck	Navini Networks	Richardson	TX	USA
Yes	Andrew	Sago	BT	Ipswich	Suffolk	UK
Yes	Yousuf	Saifullah	Nokia	Irving	TX	USA
Yes	Kenji	Saito	KDDI R&D Laboratories Inc.	Yokosuka	Kanagawa	Japan
No	Makoto	Sakamoto	Fujitsu Ltd.	Kawasaki	Kanagawa	Japan
Yes	J-rg	Schmidt	Motorola	Chandler	AZ	USA
No	Joseph	Schumacher	Motorola	Arlington Heights	IL	US
Yes	Christian	Seagren	Sprint Nextel	Overland Park	KS	USA
Yes	Jonatan	Segev	Comsys Communication & Signal Processing	Herzelia		Israel
Yes	Ofer	Shalem	Runcom	Rishon Lezion		Israel
Yes	Ariel	Sharon	Motorola	Schaumburg	IL	USA
No	E-Kai	Shen	Compal Communication	Taipei		Taiwan
Yes	Gang	Shen	Alcatel Shanghai Bell	Shanghai	Shanghai	China
No	Kevin	Shen	Tecom Co. Ltd.	Hsinchu		Taiwan
Yes	Hitoshi	Shibayama	Fujitsu Limited	Yokosuka	Kanagawa	Japan



Yes	Kathiravetpillai	Sivanesan	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-do	Korea
Yes	Clare	Somerville	picoChip Designs Limited	Bath		UK
Yes	Jung Je	Son	Samsung Electronics	Seoul		Korea
Yes	Yeong Moon	Son	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Yes	Kenneth	Stanwood	Cygnus Multimedia Communications	Carlsbad	CA	USA
Yes	Kyungjoo	Suh	Samsung	Suwon	Gyeonggi-do	Korea
Yes	Ernie	Tacsik	ZTE Corp.	San Diego	CA	USA
No	Koan-Sin	Tan	ITRI	Chu-Tung		Taiwan
Yes	Xiangguo	Tang	FutureWei Technologies	Santa Clara	CA	USA
Yes	Shawn	Taylor	Cygnus Multimedia Communications	Carlsbad	CA	USA
No	Jerry	Tsai	Rohde & Schwarz Taiwan Ltd.	Taipei		Taiwan
No	Shiau-He (Shawn)	Tsai	Ericsson	San Deigo	CA	USA
Yes	Yu Yuan	Tsai	Delta Networks, Inc.	Taipei	Taiwan	
No	Rodger	Tseng	ITRI	Tao-yuan county		Taiwan
Yes	Rainer	Ullmann	Wavesat Inc.	Dorval	PQ	Canada
Yes	Sunil	Vadgama	Fujitsu Laboratories of Europe Ltd	Hayes	Middlesex	UK
Yes	Lucia	Valbonesi	Motorola	Schaumburg	ID	USA
No	Subramanian	Vasudevan	Lucent Technologies	Whippany	NJ	USA
Yes	Dorin	Viorel	Wi-LAN, Inc.	Calgary	AB	Canada
Yes	Arthur	Wang	BeyondSpot	Buena Park	CA	USA
Yes	Chiapin	Wang	NTU			Taiwan
Yes	Chuei-Tang	Wang	Universal Scientific Industrial Co., Ltd	Nan-Tou		Taiwan

Yes	Guo Qiang	Wang	Nortel Networks	Ottawa	ON	Canada
Yes	Irving	Wang	ZTE Communications	San Diego	CA	USA
Yes	Jibin	Wang	Huawei Technologies Co., Ltd.	Shanghai		China
Yes	Jing	Wang	ZTE Dan Diego	San Deiggo	CA	USA
Yes	Lei	Wang	Cygnus Multimedia Communications	Carlsbad	CA	Canada
No	Paul	Wang	Telways Communication Co., Ltd	Taipei		Taiwan
No	Roy T.	Wang	VIA Networking Technologies, Inc.	Hsin Tsen	Taipei	Taiwan
Yes	Stanley	Wang	CyberTAN Technology	Hsinchu		Taiwan
No	Te-Hui	Wang	Gemtek Technology Co., Ltd.	Hukou	Hsinchu	Taiwan
Yes	Lisa	Ward	Rohde & Schwarz	Beaverton	OR	USA
Yes	Hung-Yu	Wei	National Taiwan University	Taipei		Taiwan
No	Shyue-Win	Wei	National Chi-Nan Univ.	Puli	Nan-Tou	Taiwan
Yes	Mattias	Wennstrom	Huawei Technologies	Kista	Stockholm	Sweden
Yes	Alfred	Wieczorek	Motorola, Inc.	Plantation	FL	USA
No	Chyi-Nan	Wu	CSIST	Taoyuan County		Taiwan
Yes	Xuyong	Wu	Huawei	Shenzhen	Guangdong	China
Yes	Yingzhe	Wu	Ericsson	San Diego	CA	USA
Yes	Janice	Wunsch	Lucent Technologies	Naperville	IL	USA
Yes	David	Xiang	Huawei	San Diego	CA	US
No	Ling	Xu	ZTE	Shenzhen	Guangdong	China
Yes	Fu	Yan	Huawei inc.	Shenzhen	Guangdong	China
Yes	Hongwei	Yang	Alcatel Shanghai Bell Co., Ltd.	Shanghai		China
Yes	Yunsong	Yang	ZTE San Diego, Inc.	San Diego	CA	USA

Yes	Ran	Yaniv	Alvarion Ltd.	Tel Aviv		Israel
Yes	Vladimir	Yanover	Alvarion Ltd.	Tel Aviv		Israel
No	Hujun	Yin	Intel Corp.	Santa Clara	CA	USA
Yes	Aeran	Youn	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
No	Jungnam	Yun	Posdata	Santa Clara	CA	USA
Yes	Mi-Young	Yun	ETRI	Daejeon	Chungcheongnam-do	Korea
Yes	Masaaki	Yuza	NECinfrontia		Tokyo	Japan
Yes	Nader	Zein	NEC	London		UK
Yes	Jianzhong	Zhang	Nokia	Irving	TX	USA
Yes	Ruobin	Zheng	Huawei Technologies Co., Ltd.	Shenzhen		China
Yes	Peiying	Zhu	Nortel Networks	Ottawa	ON	Canada
No	Ilan	Zohar	Intel Corp.	Givatatym		Israel

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## IEEE 802.16 Session #39 Report



### Session #39 Host and Venue

Session #39 of the [IEEE 802.16 Working Group \(WG\) on Broadband Wireless Access](#) took place on 12-15 September 2005 in Taipei. The session was supported by Member Hosts [Arthur Wang](#) and [Stanley Wang](#) and by institutional host [ITRI](#) and corporate co-host [CyberTAN Technology](#). The [attendance list](#) includes 226 people.

The hosts, along with a number of other organizers and sponsors, arranged the [2005 Taipei Broadband Wireless Access Technology Summit](#), held on Monday morning to "promote the research and development of IEEE 802.16 technology in conjunction with the hosting of IEEE 802.16 standard meeting."

### Maintenance Task Group Activities

The Working Group's [Maintenance Task Group](#) resolved comments received during Sponsor Ballot Recirculation Ballot of P802.16-2004/Cor1/D4. After the Task Group met on Monday afternoon to resolve a small number of comments, a new draft [P802.16-2004/Cor1/D5](#) was prepared and immediately submitted for a recirculation later that evening, through 27 September. The Maintenance Task Group issued a [closing report](#) and [minutes](#).

**Update:** The P802.16-2004/Cor1/D5 Sponsor Ballot Recirculation closed without comment on 27 September, with a result of 168 Approve and 2 Disapprove, for an approval ratio of 99%. The draft was immediately [submitted](#) to the IEEE-SA Standards Board's Review Committee (RevCom), which voted unanimously on 27 October to recommend final approval. This recommendation will be forwarded to the IEEE-SA Standards Board for a 10-day ballot regarding final approval, expected by 11 November.

### Task Group e (Mobile WirelessMAN®) Activities

[Task Group e](#) met briefly on Monday afternoon to resolve the small number of comments received in the IEEE-SA Sponsor Ballot recirculation of draft P802.16e/D10. A new draft P802.16e/D11 was immediately prepared and submitted for recirculation later that evening, through 27 September. Task

Group e issued a [closing report](#) and [minutes](#).

**Update:** New comments were received in the recirculation indicating editorial difficulties in merging P802.16e/D11 with P802.16-2004/Cor1/D5. Resolutions of these comments were developed, and a new draft a [P802.16e/D12](#) was prepared. Recirculation of this draft opened on 17 October, through 1 November. This [draft was submitted](#) to the IEEE-SA Standards Board's Review Committee (RevCom) for consideration at its meeting of 6 December.

**Update:** The recirculation of P802.16e/D12 closed on 1 November, without comment. The voting result was 138 Approve and 2 Disapprove, for an approval ratio of 99%. Consideration of this draft is on [the agenda of the 6 December meeting of IEEE-SA Standards Board's Review Committee \(RevCom\)](#).

### **Network Management Task Group: P802.16f Approved; new MIB Project Planned**

P802.16f/D6 (the Management Information Base [MIB] for fixed operation) was approved as an amendment to IEEE Standard 802.16-2004 by the IEEE-SA Standards Board on 22 September 2005. The [draft had been submitted](#) for approval on 12 August and successfully completed final recirculation on 26 August. Following professional editorial work, publication of IEEE Std 802.16f is expected in late November.

Separately, the Task Group prepared a project authorization request (PAR) to initiate a mobile management information base, essentially extending the 802.16f work in support of 802.16e. The [draft PAR](#) was submitted for consideration at the November IEEE 802 Plenary.

### **Network Management Task Group Activities: P802.16g Progress**

IEEE 802.16's [Network Management \(NetMan\) Task Group](#) addressed responses to a Call for Comments regarding the P802.16g Baseline Document. The Task Group issued a [closing report](#) and [minutes](#). A detailed [802.16g project development schedule](#) is now available.

**Update:** A [new P802.16g Baseline Document](#) was released for a further [Call for Comments](#), with a deadline of 8 November.

### **Licensed-Exempt Task Group**

The Working Group's [Licensed-Exempt Task Group](#) met to continued to develop material for the P802.16h draft. The group reviewed several contributions, leading to decisions to updated Task Group's working document A [closing report](#) and [minutes](#) were issued.

**Update:** A revised [working document](#) and a [Call for Contributions](#), with a deadline of 8 November, were released.

### **Conformance Task Group Activities**

The [Conformance Task Group](#), addressing the [P802.16/Conformance04](#) project on PICS Proforma for frequencies below 11 GHz, met to resolve comments received during [Working Group Letter Ballot Recirculation #18b](#), in which the draft [P802.16/Conformance04/D3](#) was under review.

**Update:** [P802.16/Conformance04/D4](#) was released and is subject [Working Group Letter Ballot](#)

[Recirculation #18c](#), through 8 November.

## Mobile Multihop Relay Study Group

The Working Group's new [Mobile Multihop Relay Study Group](#) met and reviewed 16 responses to its Call for Contributions.

*Update:* A [Call for Contributions](#) followed after the session.

## Liaison and Communication Activities

- The WG sent a [Liaison statement to IETF](#) in response to the [IETF Review of IEEE P802.16e/D10](#) that it had earlier solicited.
- The WG sent a [Letter to Prof. Liu Yuan An](#) in conjunction with the Fiftieth Anniversary celebration of Beijing University of Posts and Telecommunications.

## Future Sessions

- IEEE 802.16's [Session #40](#) will take place on 14-17 November 2005 in Vancouver, BC, Canada in conjunction with the [IEEE 802 Plenary Session](#).
- IEEE 802.16's [Session #41](#) will take place in New Delhi, India on 9-12 January 2006. The host is Aditya Agrawal of corporate host Beceem Communications.
- The location and date of IEEE 802.16's [Session #42](#) **have been changed** due to the impact of Hurricane Katrina on New Orleans. The session, in conjunction with the [IEEE 802 Plenary Session](#), will take place on 6-9 March 2006 in Denver, Colorado, USA.
- IEEE 802.16's Session #43 will take place in Israel on in May 2006. The dates and venue are yet to be announced. The host is Naftali Chayat of Alvarion.
- IEEE 802.16's Session #44 will take place on 17-20 July 2006 in San Diego, CA, USA in conjunction with the [IEEE 802 Plenary Session](#).
- The site and host of IEEE 802.16's Session #45 will be determined based on a site-selection process during Session #40. Proposals are solicited. Please see the [IEEE 802.16 Interim Session Guidelines](#) for details.

## Documents

The [Session #39 document list](#) includes references to the session documents. Draft standards are available with a [working group password](#) or by [purchase from IEEE-SA](#). The [Get IEEE 802™](#) program grants public access to download individual IEEE 802® standards at no charge.

## Minutes

The Working Group minutes from Session #39 are available as [IEEE 802.16-05/077r1](#).

## Working Group Membership

The [Working Group Membership](#) is now 304. Another 121 [Potential Members](#) will be eligible for membership by attending Session #40.

### **About IEEE 802.16**

The IEEE 802.16 Working Group on Broadband Wireless Access Standards has developed and is enhancing the **WirelessMAN®** 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. Standards developed by the Working Group are available for free download. 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](#).

### **"802.16 News" Mailing List**

The "802.16 News" mailing list ("stds-802-16-news") has 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.

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With the approval of the IEEE 802.16 Working Group, this report was drafted and edited (2 November 2005 release) by:

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