

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Minutes of IEEE 802.16 Session #34	
Date Submitted	2004-11-30	
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Re:	IEEE 802.16 Session #34 Minutes (San Antonio, TX US)	
Abstract		
Purpose	To record meeting minutes.	
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Minutes of IEEE 802.16 Session #34

IEEE 802.16 Working Group
San Antonio, TX US
15-18 November 2004

Opening Plenary

Call to Order

Roger Marks called the meeting to order at 1:00 pm, 15 November 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.

137 members
107 Potential members
97 Official Observers

Registration for session (by Sunday)

280 Primary
177 Secondary

Attendance

At this session, we are using electronic sign in procedures. You may sign during each interval which you are in attendance substantially the entire time by going to a link on the website located on the internal server.

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: David Johnston, to approve the Opening Plenary Meeting Agenda on the 802.16 web site, 2nd Gordon Antonello.

Motion 1: carries by unanimous voice vote. See <http://ieee802.org/16/meetings/mtg34/opening.html>

Motion 2: Phillip Barber, to approve Minutes of Session #33 (IEEE 802.16-04/59) and decisions therein. 2nd David Castelow.

Motion 2: carries by unanimous voice vote.

Chair's Status Report (IEEE 802.16-04/71)

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://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.

Schedule for the Week

The schedule for the week was presented including meetings from all working groups and IEEE tutorials. There were no questions regarding the schedule.

Contribution Procedures

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

Submittals that violate the procedures will not be accepted.

802 Architecture Group

David Johnston and Phillip Barber represented 802.16 at the 802 architecture group meeting (Report: IEEE 802.16-04/72)

General Items

- Due Diligence around PARs is weak (criticism)
- Security was a concern
- DFS and TPC (Power control and Channel Selection)
- MTU – 802.3 is modifying its frame size

Proposal for Resolution

1. Due diligence issues
2. Each WG prioritize issues, characterize problem, and propose approach to resolve, or identify as intractable, identify other 802 groups that may be affected.

IEEE 802 LMSC News

The Second Vice Chair of 802 has resigned and Pat Thayer was appointed to this position (and confirmed).

IEEE 802 Chair, Paul Nikolich, is looking at creating a position called “member at large” or “member emeritus” and Geoff Thompson is the proposed to fill this position.

IEEE 802 PARs Under Consideration

There are 10 PARs under discussion for approvals at IEEE 802 LMSC EC Meeting on Friday 19 Nov 2004.

<http://ieee802.org/16/meetings/mtg34/lmsc/pars.html>

The Network Management Task Group was authorized to make comments on all the wireless PARs related to network management. There were no objections to this by the working group.

Task Group e

Brian Kiernan, Chair

Ron Murias, Technical Editor

Results of the 802.16e/D5 Sponsor Ballot

1973 Comments

- 1009 Editorial
- 259 Technical, Binding
- 287 Technical, Non Binding
- 415 Technical, No other indication
- 2 blank
- 1 Coordination

2300 Reply Comments

126 on-time contributions received during the ballot; many subsequently revised (31 had no associated comment)

This gives about a brief 2.2 minutes per comment so it will be challenging. The group is considering parallel MAC and PHY sessions to give more time to each comment.

Currently we are not on track with the current schedule and the approval ratio needs to be at 75%. The ballot at the moment is not successful because it is at 50%, which will cause some delay to the current development schedule.

Maintenance Task Group

Ken Stanwood, Chair

The group has 464 comments to resolve during this meeting. There are 44 new contributions. There is substantial work for this week to resolve all of these comments.

Network Management Task Group

Phillip Barber, Chair

The proposed agenda was displayed and there were several meetings scheduled this week.

Received 170 comments

47 reply comments
7 contributions

802.16g
11 contributions

TGC

Gordon Antonello, Chair

There is 1 working document that was uploaded
There is one PICS contribution
No comments were received prior to this session

The group will be meeting at 7-10pm meeting tonight to review the working document and contribution.

Licensed-Exempt Coexistence Study Group

Mariana Goldhamer, Chair

Working Letter Ballot #15 <http://ieee802.org/16/le/ballot15/report15.html> was carried out to consider the proposed PAR.
Initial Results: 125 approve, 4 disapprove 3 abstain and 19 no voting
Approval ratio was 97%

Comment Resolution Committee.
Mariana Goldhamer, Chair
Barry Lewis
Mike Lynch
Jose Puthenkulam

Results of comment resolution
Approval 128
Disapprove 1
Abstain 3
Approval Ratio of 99%

Output documents were submitted to EC and NesCom.

Agenda for the week is to resolve comments on Wednesday.

Motion3: Mariana Goldhamer, to instruct the License-Exempt Coexistence Study Group to submit a revised PAR to the 802 EC, based on comment resolution, by the deadline of 5 pm Wednesday, subject to review at the 802.16 Closing Plenary, 2nd Vladimir Yanover.

Motion3: carries by unanimous voice vote.

Liaison

ITU-R

José Costa

Regarding IEEE 802.16's contribution to ITU-R WP 9B, there were questions about system profiles and conformance testing and how these would be resolved. As a result, the recommendation was not approved. For details, see the liaison statement received from ITU-R WP 9B: IEEE L802.16-04/30. A response needs to be developed this week to this document.

Also, a followup to IEEE L802.16-04/14 should be developed.

Finally, a response needs to be developed to the ITU-R WP 8F questionnaire. This questionnaire covers services and market for systems beyond IMT-2000.

There is a list of volunteers that are willing to help out in generating these documents. Most likely this will be Tue and Wed.

José Costa

Michael Lynch

Margaret LaBrecque

Others will join as well.

3GPP2

A letter from 3GPP2 TSG-S (IEEE L802.16-04/33) was received regarding the NetMan Task Group. The NetMan Task Group was tasked to draft a reply.

ETSI BRAN

Mariana Goldhamer

HiperMAN worked to harmonize their standard with IEEE 802.16-2004

PICS and TSS&TP to be finalized according to the approved HM standards; STG 252 was instructed to keep the references to IEEE 802.16-2004.

A new work item in BRAN RCWG is C converged Fixed-Nomadic System Reference Document. The scope is to look at the novelty and market impact of a fixed-nomadic system.

[A report (IEEE L802.16-04/34) was submitted on 16 November.]

Future Sessions

Session #35: 24-27 January 2005: Sanya, Hainan, China (IEEE C802.16-04/24r1) Hosted by Lucy Chen, 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: 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.

Session Proposals for Interim meetings (Session #37 in May and Session #39 in September)

- Taipei presented by Arthur Wang for both May and September.
- Beijing presented by Jose Puthenkulam for May
- Seoul or another city in Korea - presented by Panyuh Joo for September
- Montreal proposed by Frank Draper for May and September
- India proposed by Aditya Agrawal in September
- Italy proposed by Giulio Cavalli in May or September

Session #38: 18-21 July 2005: San Francisco, CA, USA with IEEE 802 Plenary Session

Session #39: Sept 2004 (probably 12-15 Sept): [see Session #37 above]

Session #40: 14-17 November 2005: Vancouver, BC, Canada with IEEE 802 Plenary Session

New Business

Nothing discussed.

Closing

Motion 4: Phillip Barber, to adjourn the meeting 2nd Remi Chayer.

Motion 4: carries by unanimous voice vote.

The meeting was adjourned at 3:50 pm on 15 November 2004.

Closing Plenary

Opening

Chair Roger Marks called the meeting to order at 7:00 pm on 18 November 2004. A motion was passed to recess until 8 pm. The motion carried by unanimous voice vote. The session resumed at 8 pm.

Agenda

Motion 5: Brian Kiernan, to approve the Closing Plenary Meeting Agenda as presented, 2nd Phillip Barber.

Motion 5: carries by unanimous voice vote.

See <<http://ieee802.org/16/meetings/mtg34/closing.html>>.

802 Issues

There is a proposed rules change on Coexistence. Roger Marks asked if anyone had any comments as to how he should vote at the EC tomorrow. No comments were made. Roger mentioned his concern that this proposed rule would cause a significant burden to any standards development for unlicensed bands, and at this time, he is leaning against approval.

Maintenance Ad Hoc

Chair's Report: Ken Stanwood

Report (IEEE 802.16maint-04/08)

Start:

256 new comments giving 609 total

480 unresolved comments 224 left over from Session #33

Final:

Reviewed 200

Accepted or accepted modified 126

Rejected 15

Superseded 51

Withdrawn 4

Out of Scope 4

Unresolved

Late 7

Reviewed two formal requests for interpretation consisting of a total of 4 questions – all were answered.

- Two questions were a misunderstanding of the standard
- One question identified an issue already identified by Comment #252
- One question identified a term that needs to be defined – will add a comment to the database

There were no objections to having the Chair answer the request for interpretation to the IEEE.

The group created a new version IEEE 802.16maint-04/04r9 commentary database. At Session #35, the group will resolve the remaining comments. A round of reply comments and new comments will be solicited.

Conformance Task Group

Chair's Report: Gordon Antonello

Two meetings held this week

- Total of 2 documents reviewed
 - o IEEE 802.16Conf02-04 working document
 - o IEEE C802.16conf04-04/02, OFDMA PICS
- Agreement for a call for contributions will be held next week
- PICS purpose, structure, content, text

License-Exempt (LE) Coexistence Study Group

Chair's Report: Mariana Goldhamer

The group responded to a question from 802.22. The response IEEE 802.16-04/74r1 was uploaded and a message sent to the 802.16 WG indicating this. No modifications to the 802.16h PAR and 5 criteria were made.

They addressed the single, nonbinding comment received in LB #15. It was rejected.

Motion 6: Mariana Goldhamer, to confirm submission of P802.16h PAR and 5 criteria, 2nd Naftali Chayat.

Motion 6: carries 71-0.

Motion 7: Mariana Goldhamer, to respond to the comment received in LB #15, as agreed by the Study Group in IEEE 802.16le-04/08, 2nd

Motion 7: carries by unanimous voice vote.

Network Management Task Group

Chair's Report: Phillip Barber

Reviewed 170 comments and 7 contributions submitted for P802.16f in the WG Letter Ballot #16. All comments were resolved and recorded in commentary database IEEE 802.16-02/68r3.

Received 13 contributions on P802.16g in response to the call for contributions.

Accepted the comment database IEEE 802.16-04/68r3.

98 accepted or Accepted-Modified

13 Rejected

32 Technical, Binding Satisfied

30 Superseded

3 Technical, binding (not Satisfied)

29 withdrawn

Several members had changed their Disapprove vote to Approve during the Task Group meetings. The following changed their Disapprove vote to Approve during the 802.16 Closing Plenary:

Mark	Cudak
Qiang	Guo
Panyuh	Joo
Itzik	Kitroser
Yigal	Leiba
Seung Joo	Maeng
Jeffrey	Mandin

James	Mollenauer
N.K.	Shankaranarayanan
Eli	Shasha
Yeong Moon	Son
Wen	Tong
Lei	Wang
Peiying	Zhu

6 Disapprove voters still remaining

Lester	Eastwood
Mo-Han	Fong
YoungKyun	Kim
Michael	Lynch
Robert	Nelson
Yossi	Segal

Motion 8: Phillip Barber, to develop and issue the Working group draft P802.16f/D2-2004 and initiate a Working Group Letter Ballot recirculation to close around January 10, 2005 with reply comments around January 17, 2005, 2nd Itzik Kitroser.

Motion 8: carries by unanimous voice vote.

Roger Marks Question – should we try for conditional approval for this ballot at the EC? Phillip’s response was no, not at this time.

Task Group e

Chair’s Report: Brian Kiernan

IEEE 802.16e-04/22

1973 comments submitted

1547 resolved

430 remaining

Results were recorded in commentary database IEEE 802.16-04/69r2

Received 142 contributions resolved 112 with 30 remaining

The group proposed a process for continued ballot resolution

- 2004/11/22 Begin Approve/Disapprove email poll (75% threshold) on remaining comments
- 2004/12/03 Close email poll
- 2004/12/10 Issue P802.16e/D5a
- 2004/12/10 Open P802.16e/D5a BRC Recirc
- 2004/12/31 Close P802.16e/D5a BRC Recirc
- 2005/01/03 Open Call for Reply Comments
- 2005/01/14 Close Call for Reply Comments; Call for Proposed Comment Resolutions
- 2005/01/20 Close Call for Proposed Comment Resolutions
- 2005/01/24-27 Comment resolution at IEEE 802.16 Session #35

Motion 9: Brian Kiernan, to accept the IEEE 802.16-04/69r2 plus the results of an electronic poll of the ballot resolution committee as a partial resolution of Sponsor Ballot comments, develop Draft P802.16e/D5a based on those resolutions, and initiate ballot resolution committee recirculation on D5a, 2nd Arthur Wang.

Motion 9: carries 91-0-0.

Liaison

ITU-R

Liaison's Report: José Costa

Motion 10: José Costa, To task the ITU-R Liaison Official, José Costa, working with the ad hoc ITU-R liaison group active at Session #34, to draft a contribution, harmonized with ETSI BRAN, to the ITU-R WP 9B correspondence group in response to IEEE L802.16-04/30. 2nd Mariana Goldhamer

Motion 10: carries by unanimous voice vote.

Motion 11: José Costa, To task the ITU-R Liaison Official, José Costa, working with the ad hoc ITU-R liaison group active at Session #34, to draft a contribution to ITU-R JTG 6-8-9 on the topic described in IEEE L802.16-04/14. The WG Chair is authorized to submit the document to the IEEE 802 Executive Committee for approval by email ballot, with the intent to submit to ITU-R as an IEEE contribution.", 2nd Masoud Olfat.

Motion 11: carries 55-0.

Motion 12: José Costa, To approve IEEE L802.16-04/37r1 and authorize the WG Chair to submit it to the IEEE 802 Executive Committee for approval, with the intent to submit to ITU-R as an IEEE contribution. 2nd David Johnston.

Motion 12: carries 73-0.

3GPP2

Letter from 3GPP2 TSG-S (3) regarding NetMan Task Group was reviewed. A similar letter (IEEE L802.16-04/38) was received today from 3GPP TSG-SA.

NetMan drafted some text to respond to both letters. The Chair asked for comments. Scott Migaldi discussed the two groups – both are network management groups. They have liaison contacts with other telecommunication groups as well and would like to open up a communication channel with 802.16.

Scott is willing to be the liaison to 3GPP2 group if required. He was appointed by the Chair, without objection.

Motion 13: Phillip Barber, to submit a letter based on a draft attached below 2nd Scott Migaldi.

Motion 13: 46-0.

See IEEE L802.16-04/40.

Motion 14: Phillip Barber, to submit a letter based on the draft below, 2nd David Johnston.

Motion 14: carries 46-0.

See IEEE L802.16-04/40.

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

Session #35:

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

Motion 15: Shawn Taylor, to authorize the Working Group to conduct business at Session #35, with or without a formal quorum, 2nd Frank Draper.

Motion 15: carries by unanimous voice vote.

Session #36:

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

Interim Session Proposals

Session #37: May 2005 and Session #39: September 2005

Session Proposals for Session #37

Arthur Wang proposes Taipei, Taiwan (IEEE C802.16-04/25). 10:11pm

Jose Puthenkulam proposes Beijing, China. (IEEE C802.16-04/26 / S802.16-04/26r1) 10:27pm

Giulio Cavalli proposes Sorrento, Italy (IEEE C802.16-04/28) 10:35pm

Motion 16: David Castelov, to open the straw poll to all registered attendees, 2nd Phillip Barber.

Motion 16: carries by unanimous voice vote.

Straw Poll #1

Taipei	62
Beijing	75
Sorrento	123

Straw Poll #2

Beijing	72
Sorrento	129

The Sorrento proposal (IEEE C802.16-04/28) is selected as the location for Session #37.

Session Proposals for Session #39

Arthur Wang proposes Taipei, Taiwan (IEEE C802.16-04/25).

Panyuh Joo proposes Seoul, Korea (IEEE C802.16-04/30) 11:00pm

Frank Draper proposes Montreal, Canada (IEEE C802.16-04/29) 11:03pm

Straw Poll #1

Taipei	110
Seoul	42
Montreal	111

Straw Poll #2

Taipei	92
Montreal	80

The Taipei proposal (IEEE C802.16-04/25) is selected as the location for Session #39.

802.21

802.21 WG Vice Chair, Michael Williams presented IEEE L802.16-04/39

This Working Group is supporting media independent handover.

This week the group received 14 contributions and they are now beginning the harmonization process.
Will support handoff between 802.3, 802.11, 802.15 and 802.16 and also cellular standards

Allows for:

Session Continuity and the IP layer

Service Continuity at the Application layer

Should provide 802.16 expert input during harmonization process. Participants needed to create 802.16 specific portion of MIH standard.

Publicity

Roger Marks proposed to generate the Session #34 Report. No objection was expressed.

New Business

Attendance logging process review.

There were some issues with the new electronic system.

The general preference is towards the electronic process from the group.

Servers

Our server was purchased in the year 2000 and it now has problems working on the network. The group would like to donate a server, please get in touch with Roger Marks. The goal is to have a new server in place by the next meeting.

Closing

Motion 16 David Johnston, to adjourn the meeting, 2nd Ron Murias.

Motion 16: carries by unanimous voice vote.

The meeting was adjourned at on 18 November 2004 at 11:41pm.

IEEE 802.16 Session #34 Report



Summary

Session #34 of the IEEE 802.16 Working Group on Broadband Wireless Access took place on 15-18 November in San Antonio, TX, USA. This was an IEEE 802 LMSC Plenary Session and co-located with sessions of the other IEEE 802 Working Groups and Technical Advisory Groups. The attendance of 367 people broke the 802.16 Working Group record. Membership in the Working Group rose to a record of 219 people.

Mobile WirelessMAN Draft in IEEE-SA Sponsor Ballot

Following Session #33, P802.16e Draft 5 completed its Working Group Ballot and was authorized to proceed to IEEE-SA Sponsor Ballot with a group of 185 individuals. The initial ballot concluded on 4 November with an approval ratio below the 75% minimum requirement, but comment resolution in Task Group e is expected to raise the ratio. Most of the nearly 2000 comments were resolved during Session #34; the others will be considered in an email poll of the membership. Afterwards, all the resolutions will be subject to a formal review of the Working Group, with the next round of comment resolution scheduled for Session #35. The goal of completing the final draft in 2004 will not be met, but completion in the first quarter of 2005 remains feasible. Task Group e issued a closing report.

Network Management Task Group Activities

The new IEEE 802.16 Network Management (NetMan) Task Group held its second meeting and made progress on its two projects. The first draft of the P802.16f project (the Management Information Base [MIB] for fixed service) was the subject of Working Group Letter Ballot #16 during October. Following resolution of 170 comments during Session #34, the approval ratio rose to 94%. A new draft is being prepared for recirculation. Regarding the P802.16g project on Management Plane Procedures and Services, thirteen contributions were received. Following discussion and harmonization, agreement was reached on a plan for the editor to assemble a Baseline Task Group Document that will be subjected to a Call for Comments. The NetMan Task Group issued a closing report and minutes.

Maintenance Task Group Activities

The Working Group's [Maintenance Task Group](#) continued addressing comments relevant to developing its draft of a Corrigendum to IEEE Standard 802.16-2004, which was published on 1 October. The Task Group agreed to create a working document and open a call for comments on it. The Maintenance Task Group issued a [closing report](#) and [minutes](#).

Conformance Task Group Activities

Addressing the [P802.16/Conformance04](#) project on PICS Proforma for frequencies below 11 GHz, the Conformance Task Group reviewed and discussed its Working Document as well as an extensive contribution it received. A [closing report](#), [minutes](#), and a new [call for contributions](#) were issued.

IEEE 802.16's Study Group on Licensed-Exempt Coexistence

The Working Group's [Study Group on Licensed-Exempt Coexistence](#) concluded its work, submitting a draft [Project Authorization Request \(PAR\)](#) for the initiation of a new standardization project P802.16h. The IEEE 802 Executive Committee agreed to forward that PAR to the New Standards Committee (NesCom) of the IEEE-SA Standards Board, where action is expected on 8 December. The Study Group issued [minutes](#).

Working Group Liaison Activities

- A [WG ad hoc group on ITU-R liaisons](#) met to discuss input on several ITU-R issues. A [response to an ITU-R WP 8F questionnaire](#) was developed and approved by IEEE 802, with the intent to submit to ITU-R as an IEEE contribution.
- The WG sent a [letter to 3GPP2 TSG-S](#) in response to a request [request for a liaison relationship with 3GPP2 TSG-S WG5](#)
- The WG sent a [letter to 3GPP TSG-SA](#) in response to a request [request for a liaison relationship with 3GPP TSG-SA WG5](#)
- Yung Hahn and Panyuh Joo prepared a [TTA PG302 status report](#).
- Mariana Goldhamer, liaison to ETSI BRAN, prepared a [Call for Interest to 802.16](#).
- Michael G. Williams, Vice Chair of the IEEE 802.21 Media Independent Handover Working Group, presented a [ETSI BRAN Update](#).

Future Sessions

- IEEE 802.16's [Session #35](#) will take place in Sanya, Hainan, China on 24-27 January 2005. The hosts are [Lucy Chen](#) and [Kathy Woo](#) of Huawei Technologies Co.
- IEEE 802.16's [Session #36](#) will take place on 14-17 March 2005 in Atlanta, GA, USA in conjunction with the [IEEE 802 Plenary Session](#).
- The Working Group decided to hold IEEE 802.16's [Session #37](#) in Sorrento, Italy on 2-5 May

2005. The choice was based on a [hosting proposal by Giulio Cavalli of host Siemens Communications](#). The site selection process also considered proposals to hold the session in Beijing and Taipei.

- IEEE 802.16's [Session #38](#) will take place on 18-21 July 2005 in San Francisco, CA, USA in conjunction with the [IEEE 802 Plenary Session](#).
- The Working Group decided to hold IEEE 802.16's [Session #39](#) in Taipei on 12-15 September 2005. The choice was based on a [hosting proposal by Arthur Wang involving co-hosts ITRI and CyberTan Technology](#). The site selection process also considered proposals to hold the session in Beijing and Taipei.

Documents

The [Session #34 document list](#) includes references to over 350 session documents.

Minutes and Motions

The Working Group minutes will be available as [IEEE 802.16-04/76](#). Significant motions drafted for presentation at the Closing Plenary are embedded in the [Closing Plenary Agenda](#). The Working Group's [requests at the 802 LMSC Executive Committee meeting of 19 November](#) were approved.

"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.

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. 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](#).

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

Roger Marks (marks@nist.gov)

Chair, IEEE 802.16 Working Group on Broadband Wireless Access Standards

Registration List: IEEE 802.16 Session #34 15-18 November 2004 in San Antonio, TX, USA

Updated 2004-12-02 (US MT) to include the 367 attendees, including 301 with "participation" credit.

"Participated*"	Name \Given	Name\Family	Company	City	State\Province	Country
Yes	Ray	Abrishami	Fujitsu Microelectronics America, Inc.	Sunnyvale	CA	USA
Yes	Edward	Agis	Intel Corp.	Newbury Park	CA	USA
Yes	Aditya	Agrawal	Beceem Communications, Inc.	Santa Clara	CA	USA
No	Arda	Aksu	Verizon Wireless	Walnut Creek	CA	USA
No	Siavash	Alamouti				
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
Yes	Ludger	Arnoldi	British Telecom Ignite			UK
Yes	David	Ashkenazi	Intel	raanana		Israel
Yes	Sanjeev	Athalye	Qualcomm Inc.	San Diego	CA	USA
Yes	Mark	Austin	Ofcom	London		UK
Yes	Eli	Avivi	WaveIP Ltd.	Yokneam		Israel
Yes	Ravi	Ayyr	ZTE San Diego	Plano	TX	USA
Yes	Sung Kwan	Baek	POSDATA	Seoul	Gyeonggi-do	Korea
No	Paul	Ballentine	Freescall Semiconductor	Austin	TX	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
No	Harmeet	Bhugra	IDT Inc.	Santa Clara	CA	USA
Yes	Yufei	Blankenship	Motorola	Schaumburg	IL	USA
Yes	Eckard	Bogenfeld	Deutsche Telekom	Darmstadt		Germany

No	Deepak	Boppana				
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Hua (Mary)	Chion	ZTE San Diego	San Diego	CA	USA
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Jaeweon	Cho	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-do	Korea
Kihyoung	Cho	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Seokheon	Cho	ETRI	Daejeon		Korea

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Joey	Chou	Intel Corp.	Chandler	AZ	USA
Jin Young	Chun	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Jin Yong	Chung	SOLiD Technologies, Inc.	Seoul		Korea
Kyuhyuk	Chung	LG Electronics	Anyangsi	Gyeonggi-do	Korea
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Steve	Dennett	Nextel Communications	Reston	VA	USA
Frank	Draper	Wavesat Inc.	Dorval	PQ	Canada
John	Dring	Consultant	San Jose	CA	USA
Lester	Eastwood	Motorola, Inc.	Schaumburg	IL	USA
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Carl	Eklund	Nokia Inc.	Helsinki		Finland
Yigal	Eliaspur	Intel Corp.	Jerusalem		Israel
Roger	Eline	Intel Corp.	San Jose	CA	USA
Oren	Elkayam	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Kamran	Etemad	Nextel Communications	Reston	VA	USA
Torsten	Fahldieck	Alcatel	Stuttgart		Germany
Yonggang	Fang	ZTE San Diego	San Diego	CA	USA
Peretz	Feder	Lucent Technologies			USA
Mo-Han	Fong	Nortel Networks	Ottawa	ON	Canada
Bogdan	Franovici	Redline Communications Inc.	Markham	ON	Canada
Avraham	Freedman	Hexagon System Engineering Ltd.	Petah-Tikva		Israel
Nikhil	Goel	nex-G Systems	Singapore		Singapore

Mariana	Goldhamer	Alvarion Ltd.	Tel Aviv		Israel
Reza	Golshan	Fujitsu Microelectronics America, Inc.	Sunnyvale	CA	USA
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Qiang	Guo	Motorola, Inc.	Libertyville	IL	USA
Zion	Hadad	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Yung	Hahn	Intel Corporation	Hillsboro	OR	USA
Jun	Han	ZTE San Diego	San Diego	CA	USA
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JaeYoung	Kim	Intel	Seoul		Korea
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Seong Choon	Lee	KT Corp.	Seoul		Korea
Sungjin	Lee	Samsung Electronics	Suwon	Gyeonggi-do	Republic of Korea
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Russell	McKown	MacPhy Modems	Richardson	TX	USA
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Nam Hoon	Park	ETRI	DAEJEON		Korea
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Russ	Reynolds	Proxim Corporation	Sunnyvale	CA	USA
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Randall	Schwartz	Intel Corp.			USA
Christian	Seagren	Sprint	Overland Park	KS	USA
Yossi	Segal	Runcom Technologies Ltd.	Rishon Le Zion		Israel
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Kenneth	Stewart	Motorola	Libertyville	IL	USA
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Subramanian	Vasudevan	Lucent Technologies	Whippany	NJ	USA
Eyal	Verbin	Airspan Networks Inc.	Airport City		Israel

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Geng	Wu	Nortel Networks	Richardson	TX	USA
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Vladimir	Yanover	Alvarion Ltd.	Tel-Aviv		Israel
Choong-Il	Yeh	ETRI	Daejeon		Korea
Kunmin	Yeo	ETRI	Daejeon		Korea
Chulsik	Yoon	ETRI	Daejeon		Korea
Chang Wahn	Yu	ETRI	Daejeon		Korea
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