

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 #36</b>	
Date Submitted	<b>2005-04-20</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 #36 Minutes (Atlanta, GA, USA)	
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 #36

IEEE 802.16 Working Group

Atlanta, GA, US

14-17 March 2005

## Opening Plenary

### Call to Order

Roger Marks called the meeting to order at 1:05 pm, 14 March 2005.

### IEEE 802.16 Working Group Officers

Chair: Roger Marks

Vice Chair: Ken Stanwood

Secretary: Dean Chang

### 802.16 Membership

220 Members

127 Potential Members

117 Official Observers

272 people registered with the IEEE 802.16 as their primary or secondary selection.

### Attendance

Attendance Sign-In 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

No Attendance Books; electronic only

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

Attendance credit granted to 802.16 members for participation in IEEE 802.18, 802.19, and 802.21; you are responsible to note this in the IEEE 802.16 attendance log and forward proof of participation to WG Chair by Friday 18 March.

### Agenda

Motion 1: David Johnston, to approve the Opening Plenary Meeting Agenda as presented, 2<sup>nd</sup> Brian Kiernan.

Motion 1: approved by unanimous voice vote.

See <http://ieee802.org/16/meetings/mtg36/opening.html>

Motion 2: Ron Murias, to approve Minutes of Session #35 (IEEE 802.16-05/006r1), 2<sup>nd</sup> Gordon Antonello.

Motion 2: approved by unanimous voice vote.

### Chair’s Status Report (IEEE 802.16-05/014)

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

### 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.

One question was made regarding a patent by AT&T Wireless which has been transferred to another party. As soon as possible, the Chair will send another letter to the legal counsel to the new company that owns this patent.

No responses were given regarding this announcement.

## **802 Plenary Meetings Outside of North America**

A motion was passed in the 802 EC to hold at least one plenary meeting outside North America each year, beginning in 2008.

## **IEEE-SA News**

A new procedure has been developed for IEEE-SA Sponsor Ballot. IEEE-SA calls this "myBallot." For more information, see <<http://standards.ieee.org/sa/ballotnews.html>>. The existing invitation pools are not carried over to myBallot, so those interested in participating in Sponsor Ballot need to enroll through myBallot.

## **Entity Balloting**

The EC affirms that 802 uses only individual participation in Sponsor Balloting

## **802.22**

The IEEE 802.22 Working Group notified the EC today that it expects to schedule a Call for Interest on Tuesday night regarding beacons for devices such as wireless microphones. [Note: Call for Interest did not occur.]

## **Schedule for the Week**

The schedule for the week was presented, including meetings from all task groups. A few changes were made to the schedule for NetMan and also Maintenance. See <<http://iee802.org/16/meetings/mtg36/schedule.html>>.

## **Contribution Procedures**

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

Submittals that violate the procedures will not be accepted.

## **TGe**

Brian Kiernan, Chair

Ron Murias, Technical Editor

See opening report IEEE 802.16e-05/004 for more details.

Sponsor Ballot Recirc concluded on P802.16e/D6 with ~560 comments  
Current standing: 94 Approve, 42 Disapprove (69% affirmative; requires 75% minimum for ballot approval)

94 on-time contributions were received regarding the comments.

Rather than going through the comments one by one, the group will form drafting groups based on particular topics. The thought would be to do this on Tuesday night.

Expected Closing Plenary Motion: “To accept IEEE 802.16-05/012r1 as the Sponsor Ballot comment resolutions, develop Draft P802.16e/D7 based on those resolutions, and initiate Recirculation”

Reconsideration of development schedule is in order, since it seems to not be feasible to request Conditional approval from 802 EC this week to submit to RevCom.

## Maintenance Task Group

Jon Labs, Chair  
Itzik Kitroser, Editor

See opening report IEEE 802.16maint-05/006 for details.

Results of WG Letter Ballot #17 (concluded last night): 151 submitted votes, 127 approve and 24 disapprove, for a 95% approval ratio, and return ratio of 71%

Review of development schedule: very challenging to get Sponsor Ballot closed by Session #37. It may be difficult to get Conditional Approval from 802 EC this week to submit to RevCom. Note: Sponsor Ballot Group invitation set to close on 30 March.

Expected Closing Plenary Motion: “To accept IEEE 802.16-05/015r1 as the WG Letter Ballot #17 comment resolutions, initiate a 15-day recirculation, and develop Draft P802.16-Cor1/D2 based on the resolutions for addition to the recirculation package within one week of the opening of the recirculation”

Expected Closing Plenary Motion: “To request conditional approval from the LMSC EC to forward P802.16-Cor1 for Sponsor Ballot.”

## Network Management Task Group

Phillip Barber, Chair

The group will have a couple of joint sessions with 802.21 this week.

The opening meeting for the Task Group will be on Wednesday this week starting at 8:00am.

There have not been many comments or contributions to this group. It’s important to submit material

Completion of WG Letter Ballot #16 on P802.16f/D3  
No comments or votes received. No outstanding unresolved Disapprove comments.

Motion: “To request approval from the LMSC EC to forward P802.16f/D3 for Sponsor Ballot.”

Note: Sponsor Ballot Group invitation closed on 11 March. 26 people joined. Ballot will conclude before Session #37. [Note: Ballot invitation was later extended by IEEE-SA Balloting Center.]

Responses to Call for Contributions on P802.16g; plans for draft development.

## **TGC**

Gordon Antonello, Chair

No new input received in response to Call for Comments on Working Document. Meeting are scheduled anyway.

## **Licensed-Exempt Task Group**

Mariana Goldhamer, Chair

A Call for Contributions had been issued regarding P802.16h draft according to the initial table of contents. A number of contributions were received.

The meeting will be held on Tuesday.

## **Liaison**

### ***IEEE 802 Architecture Group Report***

David Johnston and Philip Barber

The IEEE 802 architecture group is maintaining a running list of issues on the 802.1 web site.

### ***3GPP2 Report***

Scott Migaldi

Liaison Statement from 3GPP2 TSG-S (IEEE L802.16-05/012); need to develop response.

This is a response to an 802.16 liaison. There were a few questions about referencing specific documents and also addressing copyright issues.

### ***ITU-R Report***

José Costa

Follow up to contributions to ITU-R JTG 6-8-9 (IEEE L802.16-05/013). JTG 6-8-9 requested more information, such as antenna patterns, and the next meeting will be in Seoul on 25-31 August 2005. Jose proposes that we prepare a response to be developed by the July 802 Plenary. Roger Marks designated José Costa to develop this response document. A meeting was scheduled for this week to discuss this and other ITU-R issues.

### ***ETSI BRAN Report***

Mariana Goldhamer

Liaison from ETSI BRAN to IEEE 802.16 on "Harmonization of HiperMAN PHY and DLC" (IEEE L802.16-05/016) was presented. There are some new work orders in HiperMAN to harmonize with 802.16-2004 and to add OFDMA (from IEEE 802.16e and 802.16-2004) to improve the nomadic capabilities for HiperMAN. The group may need a copyright agreement between both groups to provide up to 10% of the published standard within a future HiperMAN document.

ETSI is also working out an agreement with the WiMAX Forum.

The agreement between IEEE-SA and ETSI has expired. It would be good to arrange a meeting to re-establish this.

### ***WiMAX Forum Report***

The WiMAX Forum sent a letter to the 802.16 WG Chair (IEEE L802.16-05/017). A response should be developed to this letter. Roger Marks ask if there were any thoughts or comments on this. Ken Stanwood mentioned that we need to clarify what is meant by referencing technical documents. Marks assigned Ken Stanwood to draft a response to this letter and also asked the NetMan Task Group to provide Ken with comments.

### ***TTA Report***

Panyuh Joo presented letter from TTA PG302 to IEEE 802.16 Working Group (IEEE L802.16-05/018). The letter mentions that TTA will study the P802.16e draft and provide comments. It will also make efforts for complete harmonization of TTA PG302 and IEEE 802.16 specifications considering initial commercialization of WiBro services in early 2006 in Korea.

Roger Marks requested that Panyuh Joo draft a response letter for review before the Closing Plenary.

### ***IETF Report***

Marks reviewed a report of discussions with IETF (IEEE L802.16-05/019). EAP and MIB issues were discussed. It would be opportune to coordinate. David Johnston and Roger Marks will work on a draft liaison statement.

### ***CCSA Report***

Dong Xiaolu presented a report on the progress of CCSA TC5/WG3 (IEEE L802.16-05/020). He noted that WG3 meets once every two months.

## **Future Sessions**

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

Session #37: 2-5 May 2005 Sorrento, Italy

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

Session #39: 12-15 Sept 2005 Taipei

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

Session #41: January 2006 interim session. According to the IEEE 802.16 Interim Session procedure, hosting proposals are welcome at each Plenary Session, where the Working Group normally chooses the site for the Interim Session to be held ten months later. Therefore, it is in order to introduce proposals for Session #41 during the current session. No proposals have yet been received.

## **New Business**

Nothing discussed.

## **Closing**

Motion 3: David Johnston , to adjourn the meeting 2<sup>nd</sup> Ron Murias.

Motion 3: carries by unanimous voice vote.

The meeting was adjourned at 3:45pm on 14 March 2005.

## Closing Plenary

### Call to Order

Roger Marks called the meeting to order at 7:52 pm, 17 March 2005.

### IEEE 802.16 Working Group Officers

Chair: Roger Marks

Vice Chair: Ken Stanwood

Secretary: Dean Chang

### Agenda

See <http://ieee802.org/16/meetings/mtg36/closing.html>

Motion 4: David Johnston, to approve the Closing Plenary Meeting Agenda as presented, 2<sup>nd</sup> Jon Labs

Motion 4: carries by unanimous voice vote.

### License-Exempt Task Group

Mariana Goldhamer, Chair

The closing report IEEE 802.16h-05/009 was presented.

The group discussed the FCC announcement of opening 50 MHz in 3.65-3.7 GHz for wireless broadband. There are an unlimited number of licenses, so it is similar to licensed-exempt band. A “contention based protocol” needs to be defined by the industry. The Task Group expects to work in this area and believes this would be within its scope.

### Conformance Task Group

Gordon Antonello, Chair, presented an oral closing report. No contributions or comments were received. Therefore, the Chair concludes that the WG is satisfied with the documents under review and proposes to advance the work to WG Letter Ballot.

Motion 5: To create a draft IEEE P802.16Conformance04/D1 from IEEE 802.16Conf04-04/04 (“Working Document towards the development of P802.16Conformance04”) and (C80216Conf04-04/02 “PICS Proforma for OFDMA PHY Mode”) and to initiate Working Group Letter Ballot., 2<sup>nd</sup> Phillip Barber

Motion 5: carries 51-3.

### Maintenance Task Group

Jon Labs, Chair

Itzik Kitroser, Editor

The closing report, IEEE 802.16maint-05/006, was presented.

Comment database: IEEE 802.16-05/015r1

Total of 319 comments were received, and 20 late comments as well.

Total: 319 Late: 20

Accepted/Accepted-Modified: 188

Rejected: 52

Superseded: 44

Withdrawn: 21

Out-of-Scope: 14

1 voted in scope by the group, reversing the TG Chair’s ruling.

The current schedule on the website is not realistic, so a new schedule was drafted, see below for details.

<b>Resolve Letter ballot comments</b>	<b>3/14-3/17, 2005</b>
<b>D2 draft of Corrigenda</b>	<b>4/4/2005</b>
<b>Open recirc Letter ballot on D2 draft</b>	<b>4/4/2005</b>
<b>Close recirc Letter ballot</b>	<b>4/22/2005</b>
<b>Open Call for reply comments on Letter ballot recirc comments</b>	<b>4/23/2005</b>
<b>Close Call for reply comments on Letter ballot recirc comment</b>	<b>4/30//2005</b>
<b>Resolve Letter ballot recirc comments</b>	<b>5/2-5/5,2005</b>
<b>D3 draft of Corrigendum</b>	<b>5/12/2005</b>
<b>Conditional approval by 802 EC to go to Sponsor Ballot</b>	<b>5/12/2005?</b>
<b>Open confirmation Letter Ballot on D3 draft</b>	<b>5/12/2005</b>
<b>Close confirmation Letter Ballot</b>	<b>5/27/2005</b>
<b>Open Sponsor Ballot</b>	<b>5/29/2005</b>
<b>Close Sponsor Ballot</b>	<b>6/28/2005</b>
<b>Open Call for reply comment on Sponsor Ballot comments</b>	<b>6/30/2005</b>
<b>Close Call for reply comments on Sponsor Ballot comments</b>	<b>7/15/2005</b>
<b>Resolve Sponsor Ballot Comments</b>	<b>7/18-7/21</b>
<b>802 EC conditional approval to forward to RevCom</b>	<b>7/22/2005</b>
<b>D4 draft of Corrigendum</b>	<b>7/29/2005</b>
<b>Open Sponsor Ballot Recirc</b>	<b>7/29/2005</b>
<b>RevCom Submittal</b>	<b>8/12/2005</b>
<b>Close Sponsor Ballot Recirc</b>	<b>8/13/2005</b>

Motion 6: Jon Labs, to accept draft P802.16-2004/Cor1/D1, as modified by the comment resolutions (IEEE 802.16-05/015r1), and open a Working Group Recirculation Letter Ballot on that Draft (P802.16-2004/Cor1/D2), 2<sup>nd</sup> Jose Puthenkulam.  
 Motion 6: carries 72-0.

The TG was reported to have authorized the TG Chair to use the comment resolutions to comments 67, 68, 191, and 200 to draft, in collaboration with the WG Chair, a response to the Request for Interpretation from C. Ashok Kumar Reddy. There were no objections by the Working Group.

## Network Management Task Group

Chair Phillip Barber

The closing report IEEE 802.16netman-05/006 was presented.

The group received 8 comments and 9 contributions for P802.16g. All comments were resolved.

4 Accepted/Accepted Modified

0 rejected

0 superceded

4 withdrawn

The editor was authorized to revise IEEE 802.16g-04/03r1, in accordance with the comment resolutions in IEEE 802.16g-05/003r1 and reissue the document as new Working Document IEEE 802.16g-04/03r2 (11/0)

## Task Group e

Brian Kiernan, Chair



The Closing Report IEEE 802.16e-05/006r1 was presented.

560 ballot comments resolved – results are recorded in comment database IEEE 802.16-05/012r3.

TG has unanimously accepted comment database IEEE 802.16-05/012r3 as resolution of the Sponsor Ballot Recirculation comments:

384 Accepted or Accepted Modified		
72 Rejected	(O/S)	390 Technical
70 Superseded		168 Editorial
34 Withdrawn		2 Other

TG had unanimously authorized the editor to revise P802.16e/D6 in accordance with the comment resolutions in IEEE 802.16-05/012r3 and reissue the document as P802.16e/D7.

Motion 7: Brian Kiernan, to accept IEEE 802.16-05/012r3 as the Sponsor Ballot Recirculation comment resolutions, develop Draft P802.16e/D7 based on those resolutions, and initiate Recirculation, 2<sup>nd</sup>

Motion 7: carries 87-0.

## **Liaison**

### ***ETSI BRAN Liaison***

Roger Marks reviewed the liaison letter L802.16-05/022d2.

Motion 8: Gordon Antonello, to approve liaison letter L802.16-05/022d2, 2<sup>nd</sup> Mariana Goldhammer

Motion 8: carries by unanimous voice vote.

### ***TTA***

Roger Marks reviewed the liaison letter L802.16-05/024d1.

Motion 9: Panyuh Joo, to approve liaison letter L802.16-05/0024d2, 2<sup>nd</sup> David Johnston.

Motion 9: carries by unanimous voice vote.

### ***IETF***

Letter from IEEE 802.16 to IETF (IEEE L802.16-05/025) was presented by Roger Marks

Motion 10: David Johnston, to approve liaison letter L802.16-05/025, with editorial changes by Roger Marks, 2<sup>nd</sup> Phillip Barber.

Motion 10: carries by unanimous voice vote.

### ***CCSA***

Liaison Letter from IEEE 802.16 to CCSA TC5/WG3 (L802.16-05/026)

Motion 11: Irving Wang, to approve liaison letter L802.15-05/026, 2<sup>nd</sup> Jose Puthenkulam.

Motion 11: carries by unanimous voice vote.

### ***3GPP***

Liaison statement to IEEE 802.16 from 3GPP TSG-SA5 (L802.16-05/029)

No objection to distributing this letter.

**3GPP2**

Liaison statement from IEEE 802.16 to 3GPP2 TSG-S and 3GPP TSG-SA5 (L802.16-05/027) Migaldi/Barber

Motion 12: Scott Migaldi, to approve liaison letter L802.16-05/027, 2<sup>nd</sup> Phillip Barber.  
 Motion 12: carries by unanimous voice vote.

**ITU-R**

ITU-R Ad Hoc Report (L802.16-05/030) and Draft Contribution to ITU-R WP 8A (L802.16-05/028r1) Costa

Motion 13: [Costa?], to approve IEEE 802.16-05/028r1 and authorize the WG chair to submit it to the IEEE 802 Executive Committee for approval, with the intent to submit it to ITU-R as an IEEE contribution, 2<sup>nd</sup> David Johnston.  
 Motion 13: carries 58-0.

**ETSI BRAN**

Liaison statement from IEEE 802.16 to ETSI BRAN regarding ITU-R (L802.16-04/031)

Motion 14: Mariana Goldhamer, to approve L802.16-05/031d1, 2<sup>nd</sup> Margaret LaBrecque.  
 Motion 14: carries by unanimous consent.

**802.21**

Ronny Kim presented L802.16-04/032 providing an update on activities in IEEE 802.21.

**802.18**

Mike Lynch presented three documents from IEEE 802.18 dealing with UK OFCOM regulator. These are available for review and comments from 802.16 Working Group members.

**Corrigendum/16e Conflict Resolution**

Roger Marks introduced the problem of conflicts and contradictions between the Corrigendum draft and the P802.16e draft. A significant concern is that both documents are now planned for approval at the same IEEE-SA Standards Board meeting. Normally, the most recently amendment and/or corrigendum would be definitive. In this case, a conflict (in which both documents changed the same text in different ways) would leave ambiguity. Also, the publication of two separate change documents would be very hard to read and understand.

Marks introduced Yvette Ho-Sang (Associate Manager, Standards Publishing, IEEE-SA) to review the problem and possible solutions. She suggested that the best alternative is to complete the corrigendum first, then identify the conflicts between the two documents and address them in the amendment. If it possible to publish both as a single document. Having them be simultaneous could make for extra difficulties. This issue is still open, but Yvette thinks a solution like this is workable.

Marks requested volunteers to serve on a committee to identify the contradictions in the two drafts. The following volunteered:

Jose Puthenkulam  
 Jon Labs  
 Dave Maez  
 Reiner Olman  
 Dave Peckner  
 Ron Murias  
 Herbert Ruck

Brian Johnson  
Lei Wang

Ron Murias and Jon Labs were named the co-chairs of this committee.

## Future Sessions

Session #37: 2-5 May 2005 Sorrento, Italy, hosted by Giulio Cavalli. Everyone needs to register as soon as possible for this event, and especially to reserve a hotel room as soon as possible. It was suggested that the session be extended to Monday morning and/or Friday. Cavalli indicated that Monday morning would not be a problem for the hotel, but Friday morning might not be available.

The Chair asked for any objection to opening the session at 9am on Monday morning? No objections.  
The Chair asked for objections to a Friday morning meeting? No objections, but the hotel needs to be consulted.

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

Session #39: 12-15 Sept 2005 Taipei, hosted by Arthur Wang and Arthur Wang. A new, detailed web page is available.

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

Session #41: January 2006 interim session venue, not selected yet. According to IEEE 802.16 Interim Session procedures, hosting proposals are welcome at each Plenary Session, where the Working Group normally chooses the site for the Interim Session to be held ten months later. Therefore, it is in order to introduce proposals for Session #41 during the current session.

One proposal was received: IEEE C802.16-05/005 and S802.16-05/005, by Aditya Agrawal, for New Delhi, India. The presentation was made by Kamlesh Rath.

Motion 15: Mariana Goldhamer, to allow all people in the room to vote on the interim session selection, 2nd Ron Murias.  
Motion 15: carries with no dissenting votes

Motion 16: Kamlesh Rath, to accept proposal IEEE C802.16-05/005 and S802.16-05/005 to hold Session #41 on 9-12 January 2006 in New Delhi, 2nd Jose Puthenkulam.  
Motion 16: carries 50-33.

## Publicity

Chair is authorized to prepare a Session #36 Report. without objection.

## New Business

IEEE 802 has some proposed rules changes. WG Chair will vote with no guidance provided by the Working Group.  
Attendance Process Review – new electronic sign-in process is working well.  
Server needs – Chair is seeking a site to host the 802.16 server.

Motion 17: Phillip Barber, To authorized the Working Group at Session #37 to proceed with its business with or without a quorum, 2nd David Johnston.  
Motion 17 carries by unanimous voice vote.

## Closing

Motion 18: Jon Labs, to adjourn the meeting 2<sup>nd</sup> Rainer Ullmann  
Motion 18: carries by unanimous voice vote.

The meeting was adjourned at 11:41pm on 17, March 2005.

## Attendance List: IEEE 802.16 Session #36 14-17 March 2005 in Atlanta, Georgia, USA

(final) showing 340 attendees, including 285 with "participation" credit.

Participated	Name\Given	Name\Family	Company	City	State\Province	Country
No	Youssef	Abdelilah	Sandbridge Technologies	White Plains	NY	USA
Yes	Edward	Agis	Intel Corp.	Newbury Park	CA	USA
Yes	Aditya	Agrawal	Beceem Communications	Santa Clara	CA	USA
Yes	Jonathan	Agre				
Yes	Ramakrishna	Akella				
Yes	Siavash	Alamouti	Intel	Hillsboro	OR	USA
Yes	Mario	Aliotta	Siemens Mobile Communication	Cassina de Pecchi (MI)		Italy
Yes	Dov	Andelman	Intel Corp.	Raanana		Israel
Yes	Gordon	Antonello	Wi-LAN Inc.	Calgary	AB	Canada
Yes	Sanjeev	Athalye	Qualcomm Inc.	San Diego	CA	USA
Yes	Mark	Austin	Ofcom	London		UK
Yes	Eli	Avivi	WaveIP	Yokneam		Israel
Yes	Ravi	Ayyr	ZTE San Diego	Plano	TX	USA
No	Deepak	B Oppana				
Yes	Sung Kwan	Baek	Posdata	Seoul	Gyeonggi-do	Korea
Yes	Rashmi	Bajaj	France Telecom R&D			USA
No	Sanjay	Bakshi	Intel	Hillsboro	OR	USA
Yes	Raja	Banerjea	Proxim Corporation	Sunnyvale	CA	USA
No	Srinivas	Bangalore				
Yes	Phillip	Barber	Broadband Mobile Technologies	Frisco	TX	USA
Yes	Kevin	Baum	Motorola Inc.	Schaumburg	IL	USA
Yes	Mario	Bedoya Martinez	picoChip Designs Limited	Bath		UK
Yes	Izhar	Bentov	Adavcom	San Diego	CA	USA
No	William	Betts				

No	Harmeet	Bhugra	IDT Inc.	Santa Clara	CA	USA
Yes	Eyal	Bick	Intel			Israel
Yes	Yufei	Blankenship	Motorola	Schaumburg	IL	USA
Yes	Jan	Boer	Motorola	Utrecht		Netherlands
Yes	Eckard	Bogenfeld	Deutsche Telekom	Darmstadt		Germany
Yes	Tibor	Boros				
Yes	Yair	Bourlas	Ensemble Communications Inc.	San Diego	CA	USA
Yes	Terri	Brooks	Consultant	Trophy Club	TX	USA
Yes	Brian	Brown				
Yes	Thomas	Brown	Fujitsu Network	Richardson	TX	USA
Yes	Sean	Cai	ZTE Communications	San Diego	CA	USA
Yes	James	Carlo	Consultant (for Huawei)	Dallas	TX	USA
No	Giulio	Cavalli	Siemens Mobile Communication	Cassina de' Pecchi (MI)		Italy
Yes	Jaesun	Cha	ETRI	Daejeon		Korea
Yes	Chan-Byoung	Chae	Samsung Electronics	Suwon		Korea
Yes	John	Chan	Wi-LAN Inc.	Calgary	AB	Canada
Yes	Dean	Chang	Aperto Networks	Milpitas	CA	USA
Yes	Jae Hwan	Chang	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Yes	Sungcheol	Chang	ETRI	Daejeon		Korea
No	Yong	Chang	Samsung Electronics	SuwonSi		Korea
Yes	Jim	Chao	Lucent Technologies	Naperville	IL	USA
Yes	Todd	Chauvin	ArrayComm, Inc.	San Jose	CA	USA
Yes	Rémi	Chayer	Wavesat Inc.	Dorval	PQ	Canada
Yes	Jennifer	Chen	ZTE San Diego	San Diego	CA	USA
Yes	Yuehua (Lucy)	Chen	Huawei Technologies Co., Ltd.	Beijing		China
Yes	Benjamin	Cheung	Tellabs	Naperville	IL	USA
No	Aik	Chindapol	Siemens	Princeton	NJ	USA

No	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	Seije	Cho				
Yes	Seokheon	Cho	ETRI	Daejeon		Korea
Yes	Hyoung-Jin	Choi	TTA	Seongnam	Gyeonggi-do	Korea
Yes	Yang-Seok	Choi	Intel	Hillsboro	OR	USA
Yes	Joey	Chou	Intel Corp.	Chandler	AZ	USA
Yes	Jin Young	Chun	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
No	Kue	Chun				
Yes	Jin Yong	Chung	SOLiD Technologies	Seoul		Korea
Yes	Kyuhuk	Chung	LG Electronics Inc.	Anyangsi	Gyeonggi-do	Korea
Yes	Yun Won	Chung				
Yes	José	Costa	Nortel Networks	Ottawa	ON	Canada
Yes	Guy	Cote	Wavesat Inc.	Dorval	PQ	Canada
Yes	Mark	Cudak	Motorola Inc.	Schaumburg	IL	USA
Yes	Shujun	Dang	Huawei Technologies	Beijing		China
No	Udayan	Dasgupta	Texas Instruments	Dallas	TX	USA
Yes	Sorin	Davidovici	Intel Corp.	Parsippany	NJ	USA
No	Chantal	Davis				
Yes	Joël	Demarty	Sequans Comm.	Paris 19		France
No	Pascale	Diaine	France Telecom R&D	South San Francisco	CA	USA
Yes	Wim	Diepstraten	Motorola	Utrecht		Netherlands
Yes	Lakshminath	Dondeti	Nortel Networks	Billerica	MA	USA
Yes	Xiaolu	Dong	China Academy of Telecommunication Research, MII	Beijing		China
Yes	Frank	Draper	Wavesat Inc.	Dorval	PQ	Canada
No	Diego	Dugatkin	IXIA	Calabasas	CA	USA
Yes	Lester	Eastwood	Motorola Inc.	Schaumburg	IL	USA
Yes	Tomas	Edler	Ericsson AB	Kista		Sweden
Yes	Carl	Eklund	Nokia Inc.	Helsinki		Finland
No	Yigal	Eliaspur	Intel Corp.	Jerusalem		Israel

Yes	Roger	Eline	Intel Corp.	San Jose	CA	USA
Yes	Oren	Elkayam	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Yes	Kamran	Etemad	Nextel Communications	Reston	VA	USA
Yes	Frank	Exeler	Siemens AG	Bocholt		Germany
Yes	Torsten	Fahldieck	Alcatel	Stuttgart		Germany
Yes	Shijun (James)	Fan	ZTE San Diego	San Diego	CA	USA
Yes	Yonggang	Fang	ZTE San Diego	San Diego	CA	USA
Yes	Peretz	Feder	Lucent Technologies			USA
Yes	Dazi	Feng	ZTE San Diego	San Diego	CA	USA
Yes	Mo-Han	Fong	Nortel Networks	Ottawa	ON	Canada
No	John	Forte				
No	Andrea	Francini				
Yes	Bogdan	Franovici	Redline Communications	Markham	ON	Canada
Yes	Avraham	Freedman	Hexagon System Engineering Ltd.	Petah-Tikva		Israel
Yes	Mike	Geipel	Axxcelera	Richmond	VA	USA
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Yes	Vafa	Ghazi	CoWare Inc.	Seattle	WA	USA
Yes	Amitabha	Ghosh	Motorola, Inc.	Arlington Heights	IL	USA
Yes	Pieter-Paul	Giesberts	Motorola	Utrecht		Netherlands
Yes	Mariana	Goldhamer	Alvarion Ltd.	Tel Aviv		Israel
Yes	Reza	Golshan	Fujitsu Microelectronics America, Inc.	Sunnyvale	CA	USA
Yes	Qiang	Guo	Motorola, Inc.	Libertyville	IL	USA
Yes	Zion	Hadad	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Yes	Jun	Han	ZTE Communications	San Diego	CA	USA
Yes	Jung Ho	Han	Samsung Electronics, Co., Ltd.	Suwon	Gyeonggi-do	Korea
Yes	Seishi	Hanaoka	Hitachi, Ltd.	Tokyo		Japan
Yes	Chris	Hansen	Intel Corporation	Hillsboro	OR	USA

Yes	Jeff	Harrang	SR Telecom	Redmond	WA	USA
Yes	Haixiang	He	Nortel Networks	Billerica	MA	USA
Yes	Peng	He	CTTL, China Academy of Telecommunication Research, MII	Beijing		China
Yes	Gregory	Henderson	Research In Motion	Irving	TX	USA
Yes	Chang-Lung	Hsiao	M300, CCL/ITRI	Chutung, Hsinchu		Taiwan
Yes	Haiming	Huang	Walbell Technologies, Inc.	Bellevue	WA	USA
Yes	Peter	Huang	ZTE Communications	Shenzhen		China
Yes	Benjamin	Hui	ZTE San Diego	San Diego	CA	USA
Yes	John	Humbert	Sprint	Overland Park	KS	USA
Yes	Yerang	Hur	Posdata America R&D Center	Santa Clara	CA	USA
Yes	InSeok	Hwang	Samsung Electronics			Korea
Yes	Luke	Ibbetson	Vodafone Group	Newbury	Berk	UK
Yes	Bin-Chul	Ihm	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Yes	Michael	Intag	OakTree Consulting	Austin	TX	USA
Yes	Avinash	Jain	Qualcomm Inc.	San Diego	CA	USA
No	Bilel	Jamoussi				
No	Jiho	Jang	Samsung Electronics	Suwon	Gyeonggi-Do	Korea
Yes	Euihoon	Jeong				
Yes	Moo Ryong	Jeong	DoCoMo USA Labs	San Jose	CA	USA
Yes	Yong Seok	Jin	LG Electronics Inc.	Anyang		Korea
Yes	Brian	Johnson	Nortel Networks	Germantown	MD	USA
Yes	David	Johnston	Intel Corp.	Hillsboro	OR	USA
No	Panyuh	Joo	Samsung Electronics	Suwon	Gyeonggi-do	Korea
No	Tal	Kaitz	Alvarion Ltd.	Tel Aviv		Israel
Yes	Hyunjeong	Kang	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Emmanuel	Kanterakis				



Yes	Ivy	Kelly	Sprint	Overland Park	KS	USA
No	Brian	Kiernan	InterDigital Communications Corp.	King of Prussia	PA	USA
Yes	Beomjoon	Kim	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Yes	Byoung-Jo	Kim	AT&T Labs-Research	Middletown	NJ	USA
Yes	Dae-Joong	Kim	Posdata	Seongnam-si	Gyeonggi-do	Korea
No	Dennis	Kim				
Yes	Dongkyu	Kim	Samsung Electronics Co., Ltd.	Suwon	Gyeonggi-do	Korea
Yes	Jaeyoel	Kim	Samsung Electronics	Suwon		Korea
Yes	Jeonghwi	Kim	KT Corp.	Seoul		Korea
Yes	Kyungho	Kim	Intel Korea	Seoul	Seoul	Korea
Yes	Min Sung	Kim	KT/Convergence lab.	Seoul		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
Yes	Youngho	Kim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
No	Yungsoo	Kim				
No	Takuya	Kitamura	Fujitsu	Sunnyvale	CA	USA
Yes	Itzik	Kitroser	Runcom Technologies Ltd.	Rishon Le Zion		Israel
Yes	Chris	Knudsen	Intel Corp.	Hillsboro	OR	USA
Yes	Havish	Koorapaty	Ericsson Inc.			USA
Yes	Lalit	Kotecha	Verizon Wireless	Walnut Creek	CA	USA
Yes	Vikas	Kukshya	HRL Laboratories	Malibu	CA	USA
Yes	Yoko	Kurosawa	KDDI Corporation	Tokyo		Japan
Yes	Toshiyuki	Kuze	Mitsubishi Electric	Kamakura, Kanagawa		Japan
Yes	Dongseung	Kwon	ETRI	Daejeon		Korea
Yes	Margaret	LaBrecque	Intel Corp.			USA

Yes	Jonathan	Labs	Wavesat Inc.	Dorval	PQ	Canada
Yes	Kari	Laihonen	TeliaSonera	Helsinki		Finland
Yes	Jules Pierre	Lamoureux	Wavesat Inc.	Dorval (Montreal)	PQ	Canada
Yes	Guillaume	Lebrun				
Yes	Chang-jae	Lee	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea
Yes	Chi-Chen	Lee	ITRI	Chutung		Taiwan
Yes	Jae Hak	Lee	SOLiD Technologies, Inc.	Seoul		Korea
Yes	Jicheol	Lee	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Sungjin	Lee	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Taeyong	Lee	ETRI	Daejeon	Chungcheongnam- do	Rep. of Korea
Yes	Barry	Lewis	Redline Communications Inc.	Lightwater	Surrey	UK
Yes	Dina	Li	ZTE	Brooklyn	NY	USA
Yes	Jia-Ru	Li	Extreme Networks	Santa Clara	CA	USA
Yes	Jiang	Li	Huawei Technologies Co., Ltd.	Shanghai		China
Yes	Kemin	Li	Walbell Technologies, Inc.	Bellevue	WA	USA
Yes	Qinghua	Li	Intel Labs	Santa Clara	CA	USA
Yes	Wei	Li	China Academy of Telecommunication Research, MII	Beijing		China
Yes	Yongmao	Li	Huawei Technology	Shanghai		China
Yes	Gaspare	Licitra	Siemens	Milan		Italy
Yes	Aeri	Lim	Samsung Electronics Co.	Suwon-city	Gyeonggi-do	Korea
No	Geunhwi	Lim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Hyoung Kyu	Lim	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Hyoungsoo	Lim	ETRI	Daejeon		Korea
Yes	Sun Ju	Lim	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea

No	Yong Je	Lim	Samsung Electronics	Suwon-City	Gyeonggi-do	Korea
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Yes	Zhibin	Lin	Huawei Technologies	Shanghai		China
No	Hong	Liu				
Yes	Juncheng	Liu	Texas Instruments, Inc.	San Diego	CA	USA
Yes	Titus	Lo	Walbell Technologies, Inc.	Bellevue	WA	USA
Yes	Hui-Ling	Lou	Marvell Semiconductor	Sunnyvale	CA	USA
Yes	Heinz	Lycklama	Adaptix, Inc.	Arlington	WA	USA
Yes	Daniel	Lyon	Fujitsu	Richardson	TX	USA
Yes	David	Maez	Navini Networks	Richardson	TX	USA
Yes	David	Magee	Texas Instruments	Dallas	TX	USA
Yes	David	Maidment				
Yes	Mahesh	Makhijani				
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Yes	Scott	Migaldi	Motorola Inc.	Schaumburg	IL	USA
Yes	Leah	Miron				
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Yes	James	Mollenauer	Technical Strategy Associates	Newton	MA	USA
Yes	Ollivier	Mont-Reynaud	Wavesat Inc.	Dorval	PQ	Canada
Yes	Roland	Muenzner	Alcatel SEL AG	Stuttgart		Germany
Yes	Fumio	Murakami	Japan Radio Co., Ltd.	Mitaka	Tokyo	Japan
Yes	Ronald	Murias	Wi-LAN Inc.	Calgary	AB	Canada
Yes	Ali	Murtaza	Texas Instruments	Dallas	TX	USA
Yes	Kenichi	Nakamura	Fujitsu Ltd.	Tokyo		Japan
Yes	Michiharu	Nakamura	Fujitsu Laboratories Ltd.	Yokosuka	Kanagawa	Japan
Yes	Seung Hoon	Nam	Samsung AIT	Yongin	Gyeonggi-do	Korea
Yes	Chiu	Ngo				

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No	Gunnar	Nitsche	Philips	Dresden		Germany
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Yes	Min Seok	Oh	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Yes	Masoud	Olfat	Nextel Communications	Reston	VA	USA
Yes	Kimihiro	Ookubo	NTT DoCoMo	chiyoda-ku		Tokyo
Yes	Radu	Oprea	Redline Communications	Markham,	ON	Canada
Yes	Alan	Or	ZTE	San Diego	CA	USA
Yes	Shlomo	Ovadia	Intel Corp.	Santa Clara	CA	USA
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Yes	DS	Park	Samsung Electronics Co., Ltd.			Korea
Yes	Taegon	Park	Samsung Electronics	Suwon-city\	Gyeonggi-do	Korea
No	Vijay	Patel	Freescale Semiconductor, Inc.	Austin	TX	USA
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Yes	Dave	Pechner	ArrayComm, Inc.	San Jose	CA	USA
Yes	Uri	Perlmutter	Intel Corp.			Israel
Yes	Bonnie	Petti	TRSG	Reno	NV	USA
Yes	Paul	Piggin	Cygnus Multimedia Communications	Carlsbad	CA	USA
No	Juha	Pihlaja	Nokia			Finland
Yes	Sebastien	Poisson	Oasis Wireless Inc	Montreal	PQ	Canada
Yes	Ambroise	Popper	Sequans Communications	Paris		France
Yes	Ron	Porat	Cygnus	Carlsbad	CA	USA
Yes	Jeff	Poston				
Yes	Darcy	Poulin	SiGe Semiconductor	Ottawa	ON	Canada
No	Russell	Priebe	Freescale Semiconductor	Austin	TX	USA
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Yes	Anthony	Reid	Nokia	Irving	TX	USA
No	Joseph	Repice				USA
Yes	Francis	Retnasothie	CableTV Technology Inc.	Toronto	ON	Canada
Yes	Douglas	Reudink	Adaptix, Inc.	Seattle	WA	USA
No	Phil	Robinson				
Yes	Wonil	Roh	Samsung Electronics	Suwon-city, Gyeonggi-do		Korea
No	Pulakesh	Roy				
Yes	Herbert	Ruck	Navini Networks	Richardson	TX	USA
Yes	Michael	Rudowicz				
Yes	Charles	Rush	TMG	Arlington	VA	USA
Yes	Kiseon	Ryu	LG Electronics Inc.	Anyang-shi	Gyeonggi-do	Korea
Yes	Andrew	Sago	BT	Ipswich	Suffolk	UK
Yes	Yousuf	Saifullah	Nokia	Irving	TX	USA
Yes	Atul	Salvekar	Intel Corp.	San Jose	CA	USA
Yes	Sumeet	Sandhu				
Yes	Gary	Schlanger				
Yes	Gregory	Schumacher	Nextel Communications	Reston	VA	USA
No	Randall	Schwartz	Intel Corp.			USA
Yes	Liu	Sean S.T.				
Yes	Yossi	Segal	Runcom Technologies Ltd.	Rishon Le Zion		Israel
No	Scott	Seidel				
Yes	Radu	Selea	Redline Communications	Markham	ON	Canada
No	Donald	Shaver	Texas Instruments	Dallas	TX	USA
Yes	Yabing	Shen	ZTE San Diego	San Diego	CA	USA
Yes	Hugh	Shieh	Cingular Wireless	Redmond	WA	USA
No	Tadashi	Shinohara				
No	David	Shively	Cingular Wireless	Atlanta	GA	USA
Yes	James	Simkins	Xilinx	Salt Lake City	UT	USA

No	Kathiravetpillai	Sivanesan				
Yes	Sten	Sjoberg	Ericsson AB	Goteborg		Sweden
Yes	David	Solomon	Fujitsu	Pearl River	NY	USA
Yes	Jung Je	Son	Samsung Electronics	Seoul		Korea
Yes	Yeong Moon	Son	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Yes	Junhyuk	Song	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Kenneth	Stanwood	Cygnus Multimedia Communications	Carlsbad	CA	USA
Yes	Kyungjoo	Suh				
Yes	Thomas	Svantesson	UC San Diego	La Jolla	CA	USA
Yes	Yuki	Takeda				
Yes	Chunhui	Tang	ZTE	Brooklyn	NY	USA
Yes	Kazuki	Tani	KDDI Corporation	Chiyoda-ku		Japan
Yes	Mark	Thomas				
No	Mano	Timajchy	RF Arrays	Sugar Hill	GA	USA
Yes	Wen	Tong	Nortel Networks	Ottawa	ON	Canada
Yes	Shiau-He Shawn	Tsai				
Yes	Rainer	Ullmann	Wavesat Inc.	Dorval	PQ	Canada
Yes	David	Urban	Comcast	Philadelphia	PA	USA
Yes	Sunil	Vadgama	Fujitsu Laboratories of Europe Ltd	Hayes	Middlesex	UK
Yes	Mano	Vafai	Aperto Networks	Milpitas	CA	USA
Yes	Richard	van Leeuwen	Motorola	Utrecht		Netherlands
No	+Marcos	Vasconcellos				
Yes	Subramanian	Vasudevan	Lucent Technologies	Whippany	NJ	USA
No	Muthaiah	Venkatachalam	BWD/Intel	Hillsboro	OR	USA
Yes	Eyal	Verbin	Airspan Networks Inc.	Airport City		Israel
Yes	Dorin	Viorel				
Yes	Frederick	Vook	Motorola Labs	Schaumburg	IL	USA
Yes	Mathys	Walma	Intel	Hillsboro	OR	USA
No	Arthur	Wang	LINQUEST	Oceanside	CA	USA

Yes	Guo Qiang	Wang	Nortel Networks	Ottawa	ON	Canada
Yes	Irving	Wang	ZTE Communications	San Diego	CA	USA
Yes	Jing	Wang	ZTE San Diego	San Diego	CA	USA
Yes	Lei	Wang	Cygnus Multimedia Communications	Carlsbad	CA	Canada
Yes	Lisa	Ward	Rohde & Schwarz	Beaverton	OR	USA
Yes	Fujio	Watanabe	DoCoMo USA Labs	San Jose	CA	USA
Yes	Xuefei	Wei	ZTE Communications	Richardson	TX	USA
Yes	Mattias	Wennstrom	Huawei Technologies	Kista	Stockholm	Sweden
Yes	Alfred	Wieczorek	Motorola, Inc.	Plantation	FL	USA
No	Mick	Wilson				
Yes	Geng	Wu	Nortel Networks	Richardson	TX	USA
Yes	Jun	Wu	ZTE San Diego	San Diego	CA	USA
Yes	Yingzhe	Wu				
Yes	Janice	Wunsch	Lucent Technologies	Naperville	IL	USA
No	Bo	Xia	Intel Corp.	Santa Clara	CA	USA
No	David	Xiang	ZTE San Diego	San Diego	CA	USA
Yes	Ling	Xu	ZTE	Shenzhen		China
Yes	Shanshan	Xu	Intel Corp.	Hillsboro		USA
No	Hassan	Yaghoobi	Intel Corp.	Santa Clara	CA	USA
Yes	Weidong	Yang	Navini Networks	Richardson	TX	USA
Yes	Yu-Ren	Yang	Industrial Technology Research Institute (ITRI)	Hsinchu		Taiwan
No	Ran	Yaniv	Alvarion Ltd.	Tel Aviv		Israel
Yes	Vladimir	Yanover	Alvarion Ltd.	Tel Aviv		Israel
No	Richard	Yao	Microsoft	Redmond	WA	USA
Yes	Choong-Il	Yeh	ETRI	Deajeon		Korea
Yes	Sang-Kuk	Yeh	LG Electronics	Anyang Shi		Korea
Yes	Hujun	Yin	Intel	Hillsboro	OR	USA
Yes	Chulsik	Yoon	ETRI	Daejeon		Korea
Yes	Soon Young	Yoon	Samsung Electronics	Suwon	Gyeonggi-do	Korea

Yes	Aeran	Youn	LGE	Anyang-shi	Gyeonggi-do	Korea
Yes	Jungnam	Yun	Posdata	Santa Clara	CA	USA
Yes	Nader	Zein				
Yes	Jianzhong	Zhang	Nokia	Irving	TX	USA
Yes	Wenfeng	Zhang	ZTE San Diego Inc. (ZiMax)	San Diego	CA	USA
Yes	Wenzhong	Zhang	ZTE Communications	San Diego	CA	USA
Yes	Zhijian	Zhang	ZTE San Diego	San Diego	CA	USA
Yes	Qun	Zhou	ZTE San Diego	San Diego	CA	USA
No	Chenxi	Zhu	Fujitsu Labs of America	College Park	MD	USA
Yes	Keqiang	Zhu	ZTE San Diego	San Diego	CA	USA
Yes	Peiying	Zhu	Nortel Networks	Ottawa	ON	Canada
Yes	Ilan	Zohar	Intel	Raanana		Israel
Yes	Gal	Zuckerman				

+No record of registration.

If your name is shown without contact information, please submit the [session attendance log registration form](#).

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## IEEE 802.16 Session #36 Report



### Summary

Session #36 of the IEEE 802.16 Working Group (WG) on Broadband Wireless Access took place on 14-17 March 2005 in Atlanta, GA, USA. This was an IEEE 802 LMSC Plenary Session, co-located with sessions of the other IEEE 802 Working Groups and Technical Advisory Groups.

### IEEE Std 802.16-2004 Now Available for Free Download

IEEE Std 802.16-2004 is available for free download as of 1 April 2005 through the Get IEEE 802® program, along with other IEEE 802 standards including several from IEEE 802.16. The 893-page document, published on 1 October 2004, is entitled *IEEE Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed Broadband Wireless Access Systems*.

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

Task Group e resolved comments in the IEEE-SA Sponsor Ballot recirculation of draft P802.16e/D6. A new draft, P802.16e/D7, was prepared for recirculation, with comments to be considered at Session #37. Task Group e issued a closing report and minutes.

**Update:** IEEE-SA Sponsor Ballot recirculation (see cover letter IEEE 802.16-05/020) was initiated on 12 April, with a deadline of 28 April.

### Network Management Task Group Activities

The IEEE 802.16 Network Management (NetMan) Task Group addressed responses to a Call for Comments regarding the P802.16g Baseline Document. Based on comment resolution, a new P802.16g Baseline Document was released for a further Call for Comments. Separately, following the successful completion of Working Group Recirculation Ballot #16b, the draft P802.16f/D3 (the Management Information Base [MIB] for fixed operation), was forwarded by IEEE 802 for IEEE-SA Sponsor Ballot, which runs from 28 March to 27 April 2005. The NetMan Task Group, which also held several meetings

with the [IEEE 802.21 Handover TAG](#), issued a [closing report](#) and [minutes](#).

### **Maintenance Task Group Activities**

The Working Group's [Maintenance Task Group](#) resolved comments received during [Working Group Letter Ballot #17](#), under which the [P802.16-2004/Cor1/D1](#) draft was under review. Based on the comment resolutions, the second draft ([P802.16-2004/Cor1/D2](#)) of this Corrigendum to IEEE Std 802.16-2004 was developed and submitted for Recirculation Ballot #17a, closing 22 April. The Maintenance Task Group updated its [development schedule](#) and issued a [closing report](#) and [minutes](#).

### **Conformance Task Group Activities**

The [Conformance Task Group](#), addressing the [P802.16/Conformance04](#) project on PICS Proforma for frequencies below 11 GHz, did not meet. However, the Working Group, based on previous Task Group activities, decided to adopt a first draft [P802.16/Conformance04/D1](#) and initiate its review in [Working Group Recirculation Ballot #18](#). That ballot closes on 2 May 2005.

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

The Working Group's [Licensed-Exempt Task Group](#) held its second meeting to develop the P802.16h draft. After reviewing several contributions, the group issued a [working document](#) and a [Call for Comments](#). A [closing report](#) and [minutes](#) were also released.

### **Liaison Activities**

- José Costa, the WG's liaison to ITU-R, prepared a [report of the ad hoc group on ITU-R liaisons](#). The Working Group forwarded to the IEEE 802 Executive Committee (EC) a [Proposed Working Document towards a Preliminary Draft New Recommendation ITU-R M.\[8A/BWA\]](#). The document was later approved by the EC and then submitted to ITU-R Working Party 8A as an IEEE contribution.
- The WG sent a [liaison reply to ETSI BRAN](#) in response to a [BRAN liaison statement](#) and a [report](#) presented by Mariana Goldhamer, the WG's liaison to ETSI BRAN. The WG also sent an additional [liaison statement to BRAN regarding ITU-R](#).
- The WG sent a [liaison statement to TC5/WG3 of the China Communication Standards Association \(CCSA\)](#) in response to a [CCSA TC5/WG3 progress report](#) presented by Dong Xiaolu. The Working Group was mentioned in liaison documents sent from IEEE 802 to [the Chinese Ministry of Information Industry, CCSA, and the China Electronics Standardization Institute](#).
- The WG sent a [liaison statement to PG302 of the Korean Telecommunications Technology Association \(TTA\)](#) in response to a [liaison statement from PG302](#)
- The WG sent a [liaison statement to 3GPP2 TSG-S and 3GPP TSG-SA5](#) in response to a [liaison statement from 3GPP2 TSG-S](#) and a [liaison statement from 3GPP TSG-SA5](#)

- The WG sent a [liaison statement to the Internet Engineering Task Force \(IETF\)](#) as a followup to a [teleconference among IETF 802.16 officials](#)
- The WG received a [statement from the WiMAX Forum](#) but deferred its response due to lack of time.
- The Working Group's liaison to the IEEE 802.21 Handover TAG, Ronny Kim, presented an [802.21 Liaison Report](#).

## **Future Meetings**

- IEEE 802.16's [Session #37](#) will take place 2-5 May 2005 in Sorrento, Italy. In a change from previous session schedules, the session will begin at 9 am on Monday morning. The Member Host is Giulio Cavalli of corporate host Siemens Communications. [On-line registration](#) is open. Hotel reservations are currently being accepted through 25 April.
- 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](#).
- IEEE 802.16's [Session #39](#) will take place on 12-15 September 2005 in Taipei. The session will be supported by Member Hosts Arthur Wang and Stanley Wang The institutional host is ITRI and the co-host is CyberTAN Technology.
- 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](#).
- The Working Group decided to hold IEEE 802.16's [Session #41](#) in New Delhi, India on 9-12 January 2006. The decision was based on a [hosting proposal](#) and [slide set](#) from Aditya Agrawal of corporate host Beceem Communications.

## **Documents**

The [Session #36 document list](#) includes references to several hundred session documents. Draft standards are available with a [working group password](#) or by [purchase from IEEE-SA](#).

## **Minutes**

The Working Group minutes are available as [IEEE 802.16-05/018](#).

## **Working Group Membership**

The [Working Group Membership](#) grew from 220 to 287. At least 85 [Potential Members](#) will be eligible for membership by attending Session #38.

## **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](#).

### **"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 (19 April 2005 release) by:

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