

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 #35</b>	
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Re:	IEEE 802.16 Session #35 Minutes (Sanya, Hainan, China)	
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 #35

IEEE 802.16 Working Group

Sanya, Hainan, China

24-27 January 2005

## Opening Plenary

### Call to Order

Roger Marks called the meeting to order at 1:00 pm, 24 January 2005.

### IEEE 802.16 Working Group Officers

Chair: Roger Marks

Vice Chair: Ken Stanwood

Secretary: Dean Chang, taking the minutes of the Opening Plenary meeting

### Hosts

Corporate Host: Huawei Technologies

Individual Hosts: Lucy Chen and Kathy Woo

### Message from Host

Chen Zhaohui, Senior VP of Huawei, provided a welcome address.

### 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.

### Agenda

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

Motion 1: approved by unanimous voice vote.

See <http://ieee802.org/16/meetings/mtg35/opening.html>

Motion 2: Phillip Barber, to approve Minutes of Session #34 (IEEE 802.16-04/76), 2<sup>nd</sup> Shawn Taylor.

Motion 2: approved by unanimous voice vote.

The Chair took note of Motion 15 from Session #34, "to authorize the Working Group to conduct business at Session #35, with or without a formal quorum."

### Chair's Status Report (IEEE 802.16-05/004)

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.

## IEEE-SA News

A new procedure is being developed for IEEE-SA Sponsor Ballot. IEEE-SA calls this "myBallot." For more information, see <http://standards.ieee.org/sa/ballotnews.html>.

## 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 the NetMan and Maintenance Task Groups. See <http://iee802.org/16/meetings/mtg35/schedule.html>.

## Contribution Procedures

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

Submittals that violate the procedures will not be accepted.

## Maintenance Task Group

Jon Labs, Chair

Itzik Kitroser, Editor

Presented Opening Report (IEEE 802.16maint-05/002).

Developing Corrigendum "P802.16-2004/Cor 1" [corrections to IEEE Std. 802.16-2004]

As of 14 December, Ken Stanwood resigned as Chair and Jon Labs was appointed.

At Session #34, Task Group agreed to create Working Document on approved comments; unresolved remaining comments from Session #34 were placed in IEEE 802.16maint-04/04r9  
Call for Reply Comments was made, resulting in IEEE 802.16maint-04/09r1

No proposed resolutions were submitted.

IEEE 802.16maint-04/09r1

287 Comments 687 reply comments

154 technical

133 marked editorial (however some are technical)

Working Document IEEE 802.16maint-04/10 incorporates all resolved comments except for a few due to lack of time.

Call for comments on Working Document; results in IEEE 802.16maint-05/01.

100 comments excluded due to incorrect document reference.

IEEE 802.16maint-05/01r1

152 comments

8 resolved

432 non late comments

100 corrected comments, marked as Late

2 late comments

Plans for the Week

Resolve comments in IEEE 802.16maint-04/09r1

Resolve “non-late” comments in IEEE 802.16maint-05/01r1

Resolve late comments in IEEE 802.16maint-05/01r1

There are a total of 439 comments to resolve this week.

Responses to

(a) Call for Comments on Working Document [results in IEEE 802.16maint-05/01r1]

(b) Call for reply comments on comments carried forward [results in IEEE 802.16maint-04/09r1]

Expected Motion at the Closing Plenary

“To accept, as a Working Group Draft, the TG Maintenance Working Document (IEEE 802.16maint-04/10) as modified by the comment resolutions (IEEE 802.16maint-04/09rXX and IEEE 802.16maint-05/01rXX) and open a Working Group Letter Ballot on that Draft (P802.16maint/D1)”

## **Network Management Task Group**

Phillip Barber, Chair

This group will meet Wed and Thurs AM/PM

There will many liaison activities between a wide variety of groups.

WG Letter Recirculation Ballot #16a Comment Resolution for P802.16f/D2

26 comments

30 reply comments

1 contribution

Thursday AM

The group will review P802.16g contribution presentations

TG Call for Comments on IEEE 802.16g-04/04 (baseline document)

9 comments received

2 previous contributions from Session #34

1 new contribution

P802.16f: Completion of WG Recirculation Ballot #16a on Draft P802.16f/D2 [created by Editor Joey Chou]; comments to resolve this week (IEEE 802.16-05/002r1)

However, the Working Group cannot open Sponsor Ballot in time to close it before Session #36. The ballot must run at least 30 days, preceded by Working Group Recirculation #16b of at least 15 days, but there are only six weeks between Session #35 and #36. In addition, the sponsor ballot group has not yet been formed; this requires at least 30 days. Also, we need IEEE 802 EC permission to proceed to Sponsor Ballot; an email vote requires about two weeks.

P802.16g: At Session #34, adopted Baseline Task Group Document IEEE 802.16g-04/03 [created by Editor Jose Puthenkulam] Need to resolve comments (IEEE 802.16g-05/001)

## **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

P802.16h PAR approved by IEEE-SA Standards Board on 2004-12-08

Responses to Call for Contributions (IEEE 802.16h-05/01) will be considered at meetings this week.

## **Task Group e**

Brian Kiernan, Chair

Ron Murias, Technical Editor

Mr. Kiernan presented an Opening Report (IEEE 802.16e-05/001).

Sponsor Ballot ran 05 Oct to 04 Nov 2004; result: 74 Approve/58 Disapprove, with 1977 comments

Comments resolved at Session #34 (plus remaining 427 in email poll of 22 Nov-3 Dec) [results in IEEE 802.16-04/69r4]

Draft P802.16e/D5a produced by Editor Ron Murias

Comment Resolutions reviewed by Ballot Resolution Committee recirculation (see IEEE 802.16-04/79, which included the rules for this ballot)

Report of BRC recirculation: 362 comments [IEEE 802.16-05/001r1], plus some additional ones (including 15 lost comments)

The development schedule was reviewed for this week. There are three different options, one for March 2005 approval, another for April/May 2005 approval and one more for June 2005 approval. March 2005 is unlikely. To have approval in April, Session #35 would need to be the last meeting in which 802.16e draft would be considered. The third alternative is approval in June 2005.

Expected Closing Plenary Motion: "To accept IEEE 802.16-04/69r4 and IEEE 802.16-05/001r? (which supercedes IEEE 802.16-04/69r4 in case of conflict) as the Sponsor Ballot comment resolutions, develop Draft P802.16e/D6 based on those resolutions, and initiate Sponsor Ballot Recirculation"

## **Liaison**

IEEE 802 has initiated a China Liaison Official position and named Roger Marks to serve. Letters are indexed on IEEE 802.16 Liaison web page.

## **CCA Report**

Report deferred to the Closing Plenary

## ***TTA Report***

Report deferred to the Closing Plenary

## ***ETSI BRAN Report***

Mariana Goldhamer presented IEEE L802.16-05/010.

HiperMAN has harmonized with IEEE Std 802.16-2004. Completed and now published.

Testing standards are being developed by ETSI STF 252 – PICS and also TSS&TP. Also ATS, there are already 250 test cases and the work will be continued in 2005 with completion expected in April 2005.

Work on common contribution with IEEE 802.16 to ITU-R WG 9B.

There is now a Converged Fixed-Nomadic System Reference document in 3.4-3.8 GHz frequency bands. Reaction from regulators has been quite positive.

Call for contributions to support nomadic applications. Contributions needed for continuing the 802.16-HiperMAN harmonization, especially 802.16e.

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

José Costa

Report on input to ITU-R WP 9B (IEEE L802.16-05/001, IEEE L802.16-05/001r1, IEEE L802.16-05/001r2)

Report on IEEE contribution to ITU-R JTG 6-8-9 on “Characteristics of IEEE 802.16 Systems in 2500-2690 Mhz” (IEEE L802.16-04/42r3)

Report on IEEE contribution to ITU-R WP 8F on “Services and Market for the Future Development of IMT-2000 and Systems Beyond IMT-2000” (IEEE L802.16-04/37r2). This document was already approved at the last Working Group meeting.

Proposed IEEE Contribution to ITU-R WP 8A (IEEE C802.16-05/001)

Wed at 12:30pm there will be a meeting to discussion on ITU-R input. About 4-6 people raised their hand to indicate that they will attend this meeting.

## ***3GPP2 Report***

Marks reported on a letter from 3GPP2 TSG-S (IEEE L802.16-05/003) and attachment (IEEE L802.16-05/004) regarding NetMan TG. At Session #34, Scott Migaldi had been appointed as the liaison to this group from IEEE 802.16. The NetMan TG is charged with drafting a response to the letter.

## ***802.21 Report***

Marks reported that 802.21 WG is seeking a new liaison from 802.16 (following resignation of David Johnston). Phil Barber proposed Ronny Kin for this role. An appointment will be made at the Closing Plenary.

## ***Future Sessions***

Session #36: 13-18 March 2005 at the Hyatt Regency Atlanta, GA, USA with the IEEE 802 Plenary Session

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

## **New Business**

Nothing discussed.

## **Closing**

Motion 3: Brian Kiernan, to adjourn the meeting 2<sup>nd</sup> Lei Wang.

Motion 3: carries by unanimous voice vote.

The meeting was adjourned at 3:45pm on 24 January 2005.

## Closing Plenary

### Call to Order

Roger Marks called the meeting to order at 7:17 pm, 27 January 2005.

### IEEE 802.16 Working Group Officers

Chair: Roger Marks

Vice Chair: Ken Stanwood

Acting Secretary: John Humbert, taking the minutes of the Closing Plenary meeting

### Agenda

Jonathon Labs requested to move the Maintenance TG report to later in the agenda

Motion to take a 10 minute recess by Mr. Murias then 2<sup>nd</sup> by Shawn Taylor

Approved by voice vote

After the recess, Jonathan Labs requested to leave the agenda as originally proposed

Motion 1: José Costa, to approve the Closing Plenary Meeting Agenda as presented, 2<sup>nd</sup> Itzik Kitroser

Motion 1: approved by unanimous voice vote.

See <http://ieee802.org/16/meetings/mtg35/closing.html>

### Departure Logistics

Comments from Jim Carlo. Hotel will let participants pay their hotel bill early and then leave in the morning.  
Hotel arranging airport transportation.

### Maintenance Task Group

Jon Labs, Chair

Itzik Kitroser, Editor

Jonathan Labs presented the closing report from the Maintenance TG for Session #35 (IEEE 802.16maint-05/003).

Motion 2:

“To accept, as a Working Group Draft, the TG Maintenance Working Document (802.16maint-04/10) as modified by the comment resolutions (802.16maint-04/09r3 and 802.16maint-05/01r3) and open a Working Group Letter Ballot on that Draft (802.16-2004/Cor1/D1)”

Motion 2: Mr Labs, 2<sup>nd</sup> Mr Ullman

Motion 2: Passed : Accepted 25 for 5 against

{Note: The Working Group Chair believes that this is a recording error and that the motion passed unanimously.}

Schedule: See 802.16maint-05/003

Discussion on what happens if the group does not meet the schedule. There is some risk that the group would not be able to do comment resolution at the next meeting.



What is the scope of the next recirculation ballot? It is in scope to provide comments regarding material that is not in the corrigendum draft but is in error in the base standard. Other things that are in scope are errors in the corrigendum draft.

Request made to change the closing time to something other than AOE for this ballot.  
The WG Chair stated that he is not inclined to change the deadline.

## Conformance Task Group

Report postponed until later in the agenda because the presenter was not present  
Gordon Antonello later presented the TGC Closing Report (IEEE 802.16C-05/002).  
The WG Chair pointed out that there have been 4 or 5 calls for contributions. Gordon wants to do one more call for contributions before considering ending activities on this project.  
Conformance Task Group now has volunteers for vice-chair and editor

## License-Exempt Task Group

Mariana Goldhamer presented the TG's Closing Report (IEEE 802.16h-05/005r2).

Will have a call for contribution to go out soon. It is not yet written.

## Network Management Task Group

Chair Phillip Barber was not available. Itzik Kitroser presented the NetMan TG Closing Report (IEEE 802.16netman-05/002).

There is an issue about which Task Group should address enhancements to the convergence sublayer. The issue of adding PPPoE was brought up in the Maintenance TG but ruled out of scope because it is not in the base document. It does not seem to fit in 16e because it applies only to fixed networks. The WG Chair suggested that this might be within scope of 16g if the wording is carefully crafted.

Motion 3: "To develop and issue the Working Group Draft P802.16f/D3-2004, and initiate a Working Group Letter Ballot recirculation to close around February 21, 2005." D3 to be created in accordance with the comment resolutions in 802.16-05/002r2.

Motion 3: Itzik 1<sup>st</sup>, 2<sup>nd</sup> Scott Migaldi  
Motion 3: Motion carries by unanimous vote

Motion 4: "To forward P802.16f/D3-2004 to the EC for approval, pending the successful outcome of a WG Confirmation Letter Ballot, to Sponsor Ballot"

Motion 4 : Itzik 1<sup>st</sup>, 2<sup>nd</sup> Jose Puthenkulam  
Motion 4 carries 33 Approve 0 Opposed

Timing considerations make it impossible for the sponsor ballot to be finished in time for Session #36.

## Task Group e

Brian Kiernan presented the TGe Closing Report (IEEE 802.16e-05/002).

Motion 5: "To accept IEEE 802.16-04/69r4 and IEEE 802.16-05/001r2 (which supersedes IEEE 802.16-04/69r4 in case of conflict) as the Sponsor Ballot comment resolutions, develop Draft P802.16e/D6 based on those resolutions, and initiate Sponsor Ballot Recirculation."

Motion 5 : Brian Kiernan 1<sup>st</sup>, Panyuh Joo 2<sup>nd</sup>  
Motion 5 carries 41 approve, 0 oppose

#### Schedule discussion:

\* Need to generate version D6 in the next 2-3 weeks to get comments back for the March meeting, The next recirculation will be 15 days.

\* Brian solicited volunteers to assist in referencing the comments from the BRC recirculation to the original comments submitted in the sponsor ballot recirculation of D5. The original commenters may have no idea about the work that was done in the BRC recirculation and comment resolution. This group needs to check with the sponsor ballot pool members to see if they are willing to change their votes.

\* Panyuh Joo, Jose Puthenkulam, Brian Johnson, Jun Han, Yossi Segal (volunteered by Itzik Kitroser, who is a possible alternate), and Beomjoon Kim volunteered.

The purpose of this meeting is to prepare the package that goes to the next round of sponsor ballot. This includes a new draft, the changes from D5, and a list of the technical binding comments that were not satisfied.

A question arose as to discussions regarding hiring a professional editor. The WG Chair said that this has not been arranged but is still under discussion,.

Jose Puthenkulam stated that he has changed his vote on the 802.16e Sponsor Ballot from Disapprove to Approve.

## Liaison

#### ITU-R Report

Mr. JoséCosta presented a report on ITU-R ad hoc activities

See IEEE L802.16-05/006

#### ETSI BRAN Liaison

Ms. Mariana Goldhamer presented a proposed ETSI BRAN Liaison letter

See IEEE L802.16-05/007

- Motion 6: To approve liaison letter IEEE L802.16-05/007 to ETSI BRAN
- Motion 6: Marrana , 2<sup>nd</sup> Mr Costa
- Motion 6: Motion Carries 31 Approve 0 Disapprove

#### 3GPP2 Liaison Response

Mr. Scott Migaldi proposed a 3GPP2 Liaison Response

Discussion of the draft text for Liaison letter back to 3GPP and 3GPP2

- Motion 7: To approve forwarding the liaison letter as discussed in the meeting to 3GPP and 3GPP2. See number IEEE L802.16-05/011
- Motion 7: Scott Migaldi, 2<sup>nd</sup> Mr Kiernan
- Motion 7 carries, 21 Approve 0 Disapprove

#### TTA PG302 Report

Panyuh Joo presented a report on TTA activities

See IEEE L802.16-05/002

#### CCSA Report

Roger Marks reviewed a letter from CCSA TC5 (IEEE L802.16-05/005).

Marks proposed a response (IEEE L802.16-05/008)

- Motion 8: To approve forwarding the liaison letter IEEE L802.16-05/008to CCSA TC5.
- Motion 8: Jim Mollenauer, 2<sup>nd</sup> Mariana Goldhamer
- Motion 8 carries: 38 Approve 0 Oppose

### 802.21 Update

Roger Marks stated that Ronny Kim is appointed as the Liaison to the 802.21 WG.  
Ronny Kim provided an update on 802.21 activities.

## Current and Future Sessions

### Session #35

Roger Marks thanked Lucy Chen and Kathy Woo for all of their efforts that went into sponsoring the meeting.  
Discussion on a proposed letter to the host acknowledging Huawei efforts in hosting the event.

Motion 9: To forward a letter to Huawei thanking them for sponsoring Session #35 in Sanya (IEEE 802.16-05/005)

Motion 9: Mr Taylor, 2<sup>nd</sup> Mr Castelow

Motion 9 Carries by unanimous voice vote

### Session #36: 14-17 March 2005: Atlanta, GA, USA with [IEEE 802 Plenary Session](#)

- Registration is now open for this session, and the hotel rooms have been reported as being sold out.
- Tutorials Planned for March 2004 LMSC Plenary. These come in as requests. 3 tutorial requests have come in. One of particular interest is called "4G Neighborhood Area Networks," sponsored by Stuart Kerry

### Session #37: 2-5 May 2004: Sorrento, Italy

- Update provided by Giulio Cavalli. Specific information is now on the 802.16 Session #37 web page.

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

Session #39: 12-15 Sept 2004, Taipei. Report presented by Arthur Wang (IEEE C802.16-05/002r2).

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

## Publicity

The Chair was authorized, without objection, to prepare a Session #35 Report.

## New Business

### Attendance Process Review

- Problem with electronic attendance system due to LAN issues. The WG Chair is going to grant attendance to anyone who registered for and attended Session #35 except in extenuating circumstances.

### Electronic Process Upgrades

- The WG Chair recognized Greg Phillips for arranging the donation of a new server and for working to get it running this week. He also recognized Nikhil Goel for help in setting up the server and generating the attendance script.

Jose Puthenkulam proposed a liaison letter to the TTA

- Motion 10: Authorize the Chair of 802.16 to forward IEEE L802.16-05/009r3 to the TTA, subject to editorial revision
- Motion 10: Jose Puthenkulam 2<sup>nd</sup> Panyuh Joo
- Motion 10 carried: 26 Approve, 0 Disapprove

## Closing

Motion 11: Jose Puthenkulam, to adjourn the meeting 2<sup>nd</sup> Jonathan Labs.

Motion 11: carries by unanimous voice vote.

The meeting was adjourned at approximately 11 pm on 27 January 2005.