Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Minutes of IEEE 802.16 Session #48**
Date Submitted	**2007-04-01**
Source(s)	Peiying Zhu Voice: +1 613 7658089 Nortel mailto:pyzhu@nortel.com
Re:	IEEE 802.16 Session #48 Minutes (Orlando, USA)
Abstract	
Purpose	To record the minutes of the IEEE 802.16 Working Group Opening and Closing Plenary meetings at Session #48
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.
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Patent Policy and Procedures	The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures <http://ieee802.org/16/ipr/patents/policy.html>, 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 <mailto:chair@wirelessman.org> 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 <http://ieee802.org/16/ipr/patents/notices>.

Minutes of IEEE 802.16 Session #48

IEEE 802.16 Working Group
Orlando, USA
12 – 15 March 2007

IEEE 802.16 Session #48 Opening Plenary Meeting

Monday 12 March 2007

Call to Order

The meeting was called to order by Working Group (WG) Chair Roger Marks at 1:09 pm. He welcomed attendees to Session #48 of the IEEE 802.16 WG. Roger provided the URL for the opening plenary agenda <http://ieee802.org/16/meetings/mtg48/opening.html>. Roger introduced himself, Working Group (WG) Vice Chair Jose Puthenkulam, and Secretary Peiying Zhu.

Roger outlined networking, logistical, and registration issues. He instructed that all attendees must have a clearly visible name badge while on the meeting floors and during the social.

Roger then reviewed the agenda and asked for comments or concerns on the agenda. No comments were received.

Motion (at 1:15pm): To approve the Opening Plenary Meeting Agenda on the 802.16 web site <http://ieee802.org/16/meetings/mtg48/opening.html>, proposed by Mariana Goldhamer, seconded by DJ Johnston, approved by unanimous voice vote.

Membership and Voting

The lists of WG Members, Potential Members, Members in Peril, and Observers were explained by the Chair. Name badges for members were annotated with "M.16" and doubled as voting tokens. Potential Members and Members are treated equally in this meeting.

The electronic attendance sign-in log procedure was explained by Roger. Eight attendance intervals [Mon pm; Tue am; Tue pm; Wed am; Wed pm; Thu am; Thu pm; Thu evening]. "Participation" Requirement: six intervals (75%). Roger emphasised the importance of using the correct names upon signing in order to receive the correct attendance credits. The membership ID displayed on the badge is required for the electronic log. The interval is based on clock time, with slight grace periods. The on-line database is the official record; do not request exceptions. Attendance credit will be granted **to 802.16 members** for participation in IEEE 802.18, 802.19, and 802.21.

Approvals

Roger reviewed the draft minutes of Session #47 (IEEE 802.16-07/014r1). Roger asked for comments. No comments were received.

Motion (at 1:39pm): To approve the minutes of Session #47 (IEEE 802.16-07/014r1) and decisions therein, proposed by Mike Hart, seconded by Lei Wang, motion was approved without objection.

Chair's Status Report
See Chair's slides (IEEE 802.16-07/020r1).

IEEE 802 P&P issues
Roger highlighted parts of the IEEE 802 Policies and Procedures (P&P) as shown in the opening slides in document IEEE 80216-07/020r1, in particular, related to WG operation, Chair's function, WG Rules such as working group domination, copyrights, contribution procedures, and restrictive notices.

Legal Announcements
The following advice was provided by the WG Chair concerning IEEE Standards Association (IEEE-SA) rules regarding patents:

- 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 (slides included February 2006 revisions by Standards Board).

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

Ken Stanwood of NextWave Broadband, Inc. made the following statement: "*In light of the new patent policy that will take effect in May, and because in the course of our business we develop technology that could make it into the standard from time to time, NextWave is filing a blanket letter of assurance to cover technology it has or may develop that would be essential to the standard.*"

There were no other responses to this announcement.

IEEE-SA Actions
 IEEE Std 802.16/Conformance04 was published on 15 January. Acknowledgements and Awards were given to Gordon Antonello (TG Chair) and Herbert Ruck (TG Vice Chair and Technical Editor).

 P802.16k/D4 will be on RevCom agenda of 21 March. It received 100% approval in Sponsor Ballot.

IEEE-SA News
Roger highlighted the 2006 Feb 2007 changes to the IEE-SAE Standards Association Operations Manual <http://standards.ieee.org/guides/opman> and Standards Board Bylaws <http://standards.ieee.org/guides/bylaws>, including affiliation declarations.

Roger highlighted upcoming patent policy changes (see Tutorial #1) and informed WG officers and Task Group Chairs that it is mandatory to attend Tutorial #1. TG Chairs unable to attend were requested to inform Roger.

IEEE 802 EC News

Roger highlighted the Coexistence Assurance issue, training opportunity, IEEE-SA Patent Policy changes, IEEE-SA business plans to operate conformity assessment, possible Study Groups (802.11 video; 802.11 multimedia), issues regarding liaison with IEEE P1900 and March 2008 Plenary.

IEEE 802 Working Group Issues (see Roger's chart)

Roger thanked to Jose Puthenkulam for serving as Acting Chair at Session #47. Roger then discussed several items related to Project Planning Committee and the current version of Commentary 2 (v.2.17), and highlighted few other key issues on later agenda.

Operator ID/ Registration Authority Report

Roger updated the status on this issue. Negotiations continue with Registration Authority staff at IEEE. IEEE staff and Registration Authority Committee have been urged to establish the the 802.16 OpID Registration Authority as soon as possible. IEEE has recognized the urgency but has not committed to a specific deadline.

Review of Session #47 Report

Roger reviewed the Session #47 Report and encouraged people to read <http://ieee802.org/16/meetings/mtg47/report.html> for details. He highlighted the item on "ITU-R Liaison activities".

IEEE 802 PARs Under Consideration

Roger reviewed the PARs submitted to LMSC EC and asked if anyone wanted to submit comments on PARs from other WGs. No comments were received.

IEEE 802 Tutorials

Roger described the 802 tutorials planned for Monday and Tuesday evening.

Schedule for the Week

The schedule for the week was presented for the various task groups and ad hoc groups <http://dot16.org/calendar/week.php?date=20070312>.

NetMan Task Group

The NetMan TG draft agenda for the week was presented by the TG Chair Phil Barber (document IEEE 802.16netman-07/006). Phil encouraged WG members to cast a vote in Working Group Letter Ballot #25, which will close on March 12 AOE.

Phil mentioned several potential motions in consideration for the closing plenary.

Phil expressed his appreciation to the members of the Ballot Resolution Committee that prepared comment resolutions in the P802.16g Sponsor Ballot recirculation. Roger acknowledged Phil's excellent work as chair of that BRC.

License-Exempt Task Group

The LE TG Chair, Mariana Goldhamer, reviewed the results of WG Letter Ballot Recirc #24a, the comment process, and a summary of ad hoc activities after Session #47. Mariana informed the WG regarding the upcoming joint meeting with 802.11 TGy and the 802.19 TAG on Tuesday at 9 am. She then presented the plan for the week and the TG's expected Closing Plenary motions (see IEEE 802.16h-07/002, need to check).

Roger suggested that Mariana to develop the agenda for the joint meeting with 802.11 TGy and 802.19.

Relay Task Group

The Relay Task Group draft agenda for the week was presented by the TG Chair Mitsuo Nohara (IEEE 802.16j-07/009r1). Nohara-san reviewed the status of P802.16j, statistics of comments and contributions received for this Session, and the plan for moving forward.

Maintenance Task Group

The Maintenance TG Chair, Jonathan Labs, presented the opening report (IEEE 802.16maint-07/006r3). Jon reviewed two motions approved in the Session #47Closing Plenary, the progress since Session #47, and the status of the draft P802.16-2004/Cor2/D2. Jon presented the progress on the revision project; in particular, the submitted PAR and the details on the consolidation document under development by IEEE-SA's professional editor.

Motion [2:43pm]: "To delegate to the Maintenance Task Group the authority and responsibility to respond to comments received on the proposed 802.16 Revision PAR, preparing a suitable response and ensuring its timely submittal to the 802 EC by 5 pm on Wednesday," proposed by Jonathan Labs, seconded by Lei Wang.

A question was raised on the difference between the consolidation document and the revision. Jon explained that the consolidation document will be used as an input for the revision project.

The motion passed without objection.

Jon then presented the proposed schedule for the week and expected motions in the WG Closing Plenary.

TGm

The TGm Chair, Brian Kiernan presented the opening report (document C802.16m-07/010r1). Brian introduced the TGm leadership team: Carl Eklund (Vice Chair), Avi Freedman (Secretary), and Mark Cudak (Technical Requirements Editor). He explained the intent to appoint four editors (the remaining three editor positions are open). Brian then presented the plan for the week.

Charge to Task Groups: Actions and Reporting

The TG Chairs were asked to ensure that minutes are recorded, previous minutes are approved, start and finish times are recorded for their meetings, motions are posted in advance, and motion times are recorded.

Security

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(Network Office) or x8894 (Network help desk). VeriLAN has a notes field the link above so you can make a note if your group is breaking but will be returning to the room after lunch/dinner break.

ARIB Liaison
Mr. Takashi Shono presented the following ARIB Liaison Reports:
- IEEE L802.16-07/010 (Liaison Report from ARIB BWA Subcommittee)
- IEEE L802.16-07/006 (Liaison Request from BWA Subcommittee, ARIB to IEEE 802.16 WG)
- IEEE L802.16-07/005 (Message from Chair of BWA Subcommittee, ARIB)

Roger informed the WG that he will draft the response this week and welcomed the input from the group. Roger intended to appoint an ARIB Liaison officer. Michiharu Nakamura has volunteered for the position.

ITU-R Liaison Group

ITU-R Liaison Official José Costa presented the opening report (IEEE L802.16-07/019r1).

Roger emphasis the importance of the approval, as of 8 March 2007, of Recommendation ITU-R M.1801, which recommends the use of IEEE Std 802.16 in the mobile service. He presented an IEEE 802.16 WirelessMAN logo shirt for José's excellent work to achieve this result.

Roger explained that IEEE 802.18 may require WG approval of any proposed liaison contribution to ITU before submitting it to IEEE 802.18 for approval. However, IEEE 802.18 will finish its meeting before the 802.16 Closing Plenary. The following motion was made to potentially address this issue:

Motion [3:34pm]: To authorize the ITU-R Liaison Group to draft documents based on received input contributions, tentatively approve them on behalf of the WG (subject to confirmation at the 802.16 closing plenary) and submit them for 802.18 review, proposed by José Costa, seconded by Rémi Chayer, passed 55/0/0.

There were some discussions regarding ITU-R submissions on IMT-Advanced.

IETF
Roger mentioned his message to the reflector seeking volunteers to review the IETF draft "IPv6 over 802.16 / IPCS" specification. Roger requested that Phil add the item to the NetMan agenda. Phil agreed. Roger requested that interested members should participate in the subsequent NetMan discussions.

Future Sessions <http://ieee802.org/16/calendar.html>
- Session #49: 7-10 May 2007: IEEE 802.16 Interim Session, Portland, OR, USA, hosted by Jose Puthenkulam of Intel. The registration site is open. Jose explained details on logistics.
- Session #50: 16-19 July 2007: San Francisco, CA, USA with IEEE 802 Plenary Session. There is a concern of insufficient meeting space.
- Session #51: 17-20 Sept 2007: IEEE 802.16 Interim Session, Malaga, Spain, hosted by Gordon Antonello of AT4 Wireless.
- Session #52: 12-15 November 2007: Atlanta, GA, USA, with IEEE 802 Plenary Session.
- Session #53: January 2008; site to be determined at Closing Plenary on 15 March Proposals solicited; please see IEEE 802.16 Interim Session Guidelines. One indication of interest prior to session: Levi, Finland (Carl Eklund, Nokia).

New Business

No new business.

Motion to adjourn at 4:03pm, proposed DJ, Johnston, seconded by Scott Probasco, passed without objection.

IEEE 802.16 Session #47 Closing Plenary Meeting

Thursday 15 March 2007

Call to Order

Roger called the meeting to order at 7:15 pm.

Approval of Agenda

The Closing Plenary agenda <http://ieee802.org/16/meetings/mtg48/closing.html>, was reviewed.

Motion (7:20pm): To approve the Closing Plenary Meeting Agenda on the server, proposed by Scott Probosco, seconded by John Humbert, passed by unanimous voice vote.

Roger mentioned that the 802.22 TG Chair, Carl Stevenson, had an unexpected medical condition yesterday. Roger sent best wishes to Carl on behalf of the WG.

TGm

A report was presented by TG Chair Brian Kiernan (IEEE 802.16m-07/012r1).

There were discussions on the scope of the Calling for Comments on the technical requirements draft and the process of maintaining the requirements document.

Roger suggested that TGm create a written procedure on how it will handle this requirements document.

NetMan Task Group

A report on the P802.16g and P802.16i projects was made by the TG Chair Phillip Barber (IEEE 802.16netman-07/008).

Motion (7:51 pm):

"To develop and issue the Draft document P802.16g/D9 based on the resolution of comments as recorded in 802.16-07/018r3, and to authorize the WG Chair to initiate a Sponsor Ballot confirmation recirculation on the Draft, to close around May 5, 2007." Proposed by Phil Barber, seconded by DJ Johnston.

There were some discussions on the timing of the Sponsor Ballot confirmation recirculation. Roger indicated that the May 5 date may be workable; however, as the Chair who will initiate the Sponsor Ballot, he may choose to interpret "around" liberally based on schedule requirements.

Motion passed by 68/0/2.

Motion (8:00 pm):

"To authorize the Working Group Chair to request conditional approval for P802.16g/D9 to be submitted to RevCom", Proposed by Phil Barber, seconded by Eric Colban.

Motion passed by 56/0/1.

Motion (8:02 pm):
"To develop and issue the Draft document P802.16i/D2 based on the resolution of comments as recorded in 802.16-07/017r2, and to authorize the WG Chair to initiate a Working Group Letter Ballot recirculation on the Draft, to close around May 4, 2007." Proposed by Phil Barber, Seconded by DJ, Johnston. Motion passed without objection.

Roger expressed his thanks to Phil for offering to coordinate the IETF liaison work and asked for volunteers to participate with Phil on this issue.

Maintenance Task Group

A report was presented by TG Chair Jon Labs (IEEE 802.16maint-07/010r1).

Motion (at 7:53pm): *"To accept the database IEEE 802.16-07/013r6 as the comment resolutions for LB#23a on P802.16-2004/Cor2/D2, and to open a Working Group Confirmation Letter Ballot on P802.16-2004/Cor2/D3 as generated from P802.16-2004/Cor2/D2 modified by the comment resolutions in IEEE 802.16-07/013r6."* Proposed by Jon Labs, seconded by Rémi Chayer.

Lei Wang asked how comments in the Working Group Confirmation Letter Ballot will be addressed. Jon replied that, though he does not anticipate comments, any suitable comments would be addressed at Session #49.

Motion passed 63/0/4.

Motion (at 8:20 pm): "To accept the Revision PAR in IEEE 802.16-07/008r1, and to authorize the WG Chair to forward it for EC and NesCom approval." Proposed by Jon Labs, seconded by Dan Gal.

Motion passed 72/0/1

Jon is looking for more volunteers to review the consolidation document for 802.16-2004, 802.16e-2005, 802.16-2004/Cor1-2005, 802.16f-2005.

License-Exempt Task Group

A report was made by the TG Chair Mariana Goldhamer (IEEE 802.16h-07/007r1).

Motion (8:40 pm):
To authorize the LE TG Editor to create IEEE P802.16h/D3 based on the comment resolutions in IEEE 802.16-07/016r2, proposed by Mariana Goldhamer, seconded by Paul Piggin.

There were some discussions on the motion. Roger expressed concern based on the fact that comment resolution was incomplete. Roger suggested that perhaps an informal update to the document, not to be an official WG draft, would address the TG's needs.

Motion was withdrawn, without objection.

Marianna reported the outcome of the joint meeting between 802.11y TG and 802.19 TAG. 802.19 TAG Chair Steve Shellhammer offered to have joint conference calls going forward. Roger read an email from Steve Shellhammer and asked Mariana if there were any actions taken to respond Steve's email. Marianna replied that there will be a conference call on Thursday. Roger requested Mariana inform the WG reflector.

Relay Task Group

A report was made by the Relay TG Chair Mitsuo Nohara (IEEE 802.16j-07/011r3) on the progress of the Relay TG.

Liaison: WiMAX Forum

Brian Kieran reviewed liaison statement from WiMAX Forum president Ronald Resnick (IEEE L802.16-07/014) that was received on 13 March and reviewed in TGm. He proposed a draft response letter (IEEE L802.16-07/016r1). There were some discussions regarding the purpose of this letter, the appropriateness of incorporating a WiMAX Forum profile in the standard, and the maintenance of the resulting standard.

Motion (9:15pm): To approve the liaison letter (IEEE L802.16-07/016r1), subject to final editing, and forward it to the WiMAX Forum, proposed by Jose Puthenkulam, seconded by Dan Gal.

Passed: 41/17

Roger asked for the minutes to note that he is concerned about draft liaison statements coming to the Closing Plenary without sufficient prior review, and to note that he volunteers to take an Action Item to establish a policy on the advanced review such draft statements.

Liaison: ITU-R

ITU-R Liaison Officer José Costa made a report (IEEE L802.16-07/020r1).

Motion (9:29pm): "To approve IEEE L802.16-07/013d2 and confirm the approval of IEEE L802.16-07/012d3 and authorize the WG Chair to submit them to the IEEE 802 Executive Committee for approval, with the intent to submit them to ITU-R as IEEE contributions." José Costa, seconded by DJ Johnston.

Both documents IEEE L802.16-07/013d2 and IEEE L802.16-07/012d3 were reviewed. Roger asked if everyone understand everything in these documents or needed clarification. A few questions were raised, and José provided answers. Roger then asked again if there were any comments or questions. No more comments were received on these two documents.

A question was raised by Charlie Rush: What happens if one wants to support only one of the two documents in the motion? José explained that the reason for seeking approval of both documents was mainly to save time. Roger explained the procedural issue and alternative ways to handle the motion, including the possibility of a motion to divide. Roger then allowed more time to address Charlie's concern, which regarded document IEEE L802.16-07/013d2 but not IEEE L802.16-07/012d3. Charlie's concern was not resolved. Charlie agreed not to propose to divide the motion.

Motion passed 60/2/3.

José reviewed a proposed liaison statement to the IEEE 802.18 TAG.

Motion (9:57pm): "To approve IEEE L802.16-07/018d1", proposed by Jose Costa, seconded by Michael Wang.

Motion passed: 53/0/2

José reviewed the 802.16 process to feed into the IEEE 802.18 correspondence activity.

Motion (9:57pm): **Adopt the following process to feed into the IEEE 802.18 correspondence activity:**

1. Timeframe: now to 20 April
2. IEEE 802.16 correspondence group composed of volunteering 802.16 WG members
3. Weekly conference calls, one or two days prior to the IEEE 802.18 conference calls
4. Call for inputs in Commentary format, one day prior to conference call
5. IEEE 802.16 correspondence group default chair: Roger Marks
6. The correspondence group is open to other WG correspondence groups that are interested in joint contributions to the 802.18 correspondence activity. The decision to join with other WG correspondence groups is to be made by the 802.16 correspondence group based on compatibility of interest.
7. IEEE 802.16 WG Chair to decide whether he needs a WG Letter Ballot at the end of the process.

Proposed by José Costa, seconded by DJ Johnston. There was some discussion on the motion.

Passed: 52/0/1

Liaison: IEEE 1900

Scott Henderson's name was on the agenda due to his original email to Roger on this issue. However, he was absent. Roger reviewed emails from Scott Henderson and Steve Shellhammer. Roger then reviewed a draft liaison letter to IEEE 1900 from Paul Nikolich. Roger asked if anyone had suggestions on whether to support this letter. Mariana Goldhamer suggested that the WG should support the letter.

Liaison: ARIB

Roger reviewed a draft liaison letter (IEEE L802.16-07/011d1) the ARIB BWA subcommittee. The draft letter would appoint Michiharu Nakamura as the IEEE 802.16 WG's Liaison Official to the ARIB BWA Subcommittee.

Motion (10:19pm): To approve the liaison letter IEEE L802.16-07/011d1, proposed by Mitsuo Nohara, seconded by Shawn Taylor. Passed 53/0/0.

Roger thanked Mr. Takashi Shono for volunteering as ARIB's liaison official.

Future Sessions **http://ieee802.org/16/calendar.html**
Session #49: 7-10 May 2007: IEEE 802.16 Interim Session, Portland, OR, USA

Jose highlighted few meeting logistics on registration, visa.
Roger requested the Task Group chairs to send him meeting space requirements shortly and provide him the meeting headcount for this meeting in each Task Group.
A straw poll on potential attendance was conducted: 62:2

Session #50: 16-19 July 2007: San Francisco, CA, USA with IEEE 802 Plenary Session
Session #51: 17-20 September 2007: IEEE 802.16 Interim Session, Malaga, Spain
Session #52: 12-15 November 2007 in Atlanta, GA, USA with IEEE 802 Plenary Session
Session #53: January 2008: IEEE 802 Interim Session
Site to be determined.
Proposals solicited; please see IEEE 802.16 Interim Session Guidelines

Carl Eklund presented a proposal (IEEE C802.16-07/004r1) to host the session in Levi, Finland.

Motion (10:40pm): To conduct Session #53 in Levi Finland on 21-24 Jan 2008. Proposed by Carl Eklund, seconded by Shawn Taylor. Passed 54/3/2

Session #54: March 2008: [unknown site/dates] with IEEE 802 Plenary Session
The meeting was originally planned in New Orleans, but the hotel is not available. One proposal is to come back to Orlando and the current hotel. A few comments were made on the current hotel. Carl Eklund spoke in favor of Vancouver.

Publicity

Chair asked comments on Session #48 Report. No comments were received.

EC Motions

The list of issues for Roger to address at the 802 EC meeting:

"To develop and issue the Draft document P802.16g/D9 based on the resolution of comments as recorded in 802.16-07/018r3, and to authorize the WG Chair to initiate a Sponsor Ballot confirmation recirculation on the Draft, to close around May 5, 2007."

"To accept the Revision PAR in IEEE 802.16-07/008r1, and to authorize the WG Chair to forward it for EC and NesCom approval."

To make sure that IEEE 802.18 makes the two motions related to ITU.

New Business

Wonil Roh asked a question on the approval ratio for the earlier motion on the WiMAX Forum liaison statement. Roger reviewed subclauses 14.1 and 14.2 of the IEEE 802 Policies and Procedures. He then stated that he believes that the motion required only a simple majority. John Humbert commented that a Task Group technical decision requires 75% approval. Roger stated that he rules that this motion requires only a simple majority.

Closing

A Motion (at 10:50 pm) to adjourn the meeting was made by Shawn Taylor, seconded by Lei Wang, and carried by unanimous voice vote. The meeting was adjourned at 10:55 pm on 15 March 2007.

Web References

Session #48 Web Page
> http://ieee802.org/16/meetings/mtg48

Session #48 Attendance and Participation List
> http://ieee802.org/16/meetings/mtg48/reglist.html

Session #48 Report
> http://ieee802.org/16/meetings/mtg48/report.html

Attachments

Working Group Membership List, following post-session updates

The IEEE 802.16 Working Group on Broadband Wireless Access Standards

IEEE 802.16 Members

Updated: 2007-04-01

Number of members: ~~266~~
Next scheduled update: following Session #50

See also:

- Rights of Membership
- Acquiring and Retaining IEEE 802.16 Membership
- Potential Members
- those recently losing membership due to lack of letter ballot participation
- those recently losing membership due to lack of session participation
- Members in Peril
- Observers
- Update your contact information
- Member and Observer contact databases (password required)

Name\Given	Name\Family	Company	City	State\Province	Country
Ray	Abrishami	Fujitsu Microelectronics America	Sunnyvale	CA	USA
Edward	Agis	Intel Corp.	Newbury Park	CA	USA
Sassan	Ahmadi	Intel Corporation	Hillsboro	OR	USA
Dong Hyun	Ahn	ETRI	Daejeon		Korea
Junbae	Ahn	SOLiD Technologies	Seoul		Korea
Dov	Andelman	Intel Corp.	Raanana		Israel
Reza	Arefi	Intel Corp.	Hillsboro	OR	USA
Masahito	Asa	Motorola Japan Ltd.	Tokyo		Japan

Phillip	Barber	Huawei	Plano	TX	USA
Dharma	Basgeet	Toshiba Research Europe Ltd	Bristol		UK
Kevin	Baum	Motorola Inc.	Schaumburg	IL	USA
Adrian	Boariu	Nokia	Irving	TX	USA
Eckard	Bogenfeld	Deutsche Telekom	Darmstadt		Germany
Achim	Brandt	Siemens	Muenchen		Germany
Dale	Branlund	BRN Phoenix	Santa Clara	CA	USA
Terri	Brooks	TruePosition, Inc.	Frisco	TX	USA
Sean	Cai	ZTE Communications	San Diego	CA	USA
James	Carlo	Consultant (for Huawei)	Dallas	TX	USA
Jaesun	Cha	ETRI	Daejeon		Korea
Suchang	Chae	ETRI			Korea
Jae Hwan	Chang	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Sungcheol	Chang	ETRI	Daejeon		Korea
Naftali	Chayat	Alvarion Ltd.	Tel Aviv		Israel
Rémi	Chayer	Wavesat Inc.	Dorval	PQ	Canada
David	Chen	Motorola	Arlington Heights	IL	USA
Wei-Peng	Chen	Fujitsu Labs. of America	Sunnyvale	CA	USA
Aik	Chindapol	Siemens	Princeton	NJ	USA
Hua (Mary)	Chion	ZTE Communications	San Diego	CA	USA
Jaehee	Cho	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Jaeweon	Cho	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Kihyoung	Cho	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Seokheon	Cho	ETRI	Daejeon		Korea
Hokyu	Choi	Samsung Electronics Co., Ltd.	Sungnam-Shi	Gyeonggi-do	Korea
Hyoung-Jin	Choi	TTA	Seongnam	Gyeonggi-do	Korea

Hyung-Nam	Choi	Infineon Technologies AG	Hannover		Germany
Joonyoung	Choi	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yang-Seok	Choi	Intel	Hillsboro	OR	USA
Yong-Hoon	Choi	Kwangwoon University	Seoul		Korea
Joey	Chou	Intel Corp.	Chandler	AZ	USA
David	Choukroun	Sequans	Paris		France
Jimmy	Chui	Siemens	Princeton	NJ	USA
Takafumi	Chujo	Fujitsu Laboratories Ltd.	Yokohama	Kanagawa	Japan
Jin Young	Chun	LG Electronics Inc.	Anyang	Gyeonggi-do	Korea
Erik	Colban	NextWave Broadband, Inc.	San Diego	CA	USA
David	Comstock	Huawei Technologies Co., Ltd	San Diego	CA	USA
José	Costa	Nortel	Ottawa	ON	Canada
Mark	Cudak	Motorola	Schaumburg	IL	USA
George	Cummings	Motorola	Chandler	AZ	USA
Pranav	Dayal	Qualcomm, Inc.	San Diego	CA	USA
Carlos	De Segovia	France Telecom R&D	Cesson Sevigne		France
Mustafa	Demirhan	Intel Corp.	Hillsboro	OR	USA
Upkar	Dhaliwal	Future Wireless Technologies	San Diego	CA	USA
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