

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Minutes of IEEE 802.16 Session #50	
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Abstract	IEEE 802.16 Session #50 Minutes (San Francisco, USA)	
Purpose	To record the minutes of the IEEE 802.16 Working Group Opening and Closing Plenary meetings at Session #50. For approval at Session #51.	
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Patent Policy and Procedures	The contributor is familiar with the IEEE-SA Patent Policy and Procedures: < http://standards.ieee.org/guides/bylaws/sect6-7.html#6 > and < http://standards.ieee.org/guides/opman/sect6.html#6.3 >. Further information is located at < http://standards.ieee.org/board/pat/pat-material.html > and < http://standards.ieee.org/board/pat >.	

Minutes of IEEE 802.16 Session #50

IEEE 802.16 Working Group
San Francisco, USA
16 – 19 July 2007

IEEE 802.16 Session #50 Opening Plenary Meeting

July 16 2007

Call to Order

The meeting was called to order by Working Group (WG) Chair Roger Marks at 1:02 pm. He welcomed attendees to Session #50 of the IEEE 802.16 WG. Roger provided the URL for the opening plenary agenda <<http://ieee802.org/16/meetings/mtg50/opening.html>>. Roger introduced himself, Working Group (WG) Vice Chair Jose Puthenkulam, and Secretary Peiying Zhu.

Roger commented that this is a special session: the 802.16 Working Group has reached its Session #50, a milestone. There will be a special party on Monday night from 6:00-7:00pm to celebrate.

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 made the following announcements:

Security: Keep your personal belonging secure at all times. All attendees must have their name badges clearly visible while on the meeting floors, for all refreshment breaks, and for the social. Guests for the social do not require a name badge but must be accompanied by a badged attendee.

CD ROM: IEEE 802 CD-ROM (Nov 2006 edition) is available to registered attendees who have not yet received their copy. See the IEEE 802 Meeting Concierge desk.

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. If a member does not have a voting token on his/her name badge, Roger explained several potential reasons and instructions to resolve the issue. The usual problem is that the attendee has registered using a different profile than that used previously, so that a different IEEE 802 ID number (badge number) is attached to the registration profile. Those who wish to have voting tokens and continued attendance credit should use the same registration profile at each 802 Plenary. For this session, a visit to the registration desk can probably solve the problem.

The electronic attendance sign-in log procedure was explained by Roger. Roger emphasised that the affiliation field in the sign-in log must be filled based on the IEEE-SA affiliation disclosure requirements, as detailed on the Opening Plenary Agenda. The session is planned to include nine attendance intervals [Mon pm; Tue am; Tue pm; Tue evening; Wed am; Wed pm; Thu am; Thu pm; Thu evening]. The "Participation" Requirement, nominally 75%, will be satisfied with six intervals. Roger emphasised the importance of using the correct names and Member ID 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. You are responsible to record this in the IEEE 802.16 attendance log and forward proof of participation to WG Chair by end of week (Friday).

Roger asked any comments or questions, No comment/questions were received.

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

Motion (at 1:27pm): To approve the Opening Plenary Meeting Agenda as presented <<http://iee802.org/16/meetings/mtg50/opening.html>>, proposed by Mariana Goldhamer, seconded by David Johnston, approved by unanimous voice vote.

Approvals

Roger reviewed the draft minutes of Session #49 (IEEE 802.16-07/034). Roger asked for comments. No comments were received.

Motion (at 1:29pm): To approve the minutes of Session #49 (IEEE 802.16-07/034) and decisions therein, proposed by Brian Kiernan, seconded by Lei Wang, motion was approved without objection.

Chair's Report

Administrative, Procedural, and Announcements ([(IEEE 802.16-07/037r1).])

Roger reviewed the IEEE-SA affiliation disclosure requirements <<http://standards.ieee.org/faqs/affiliationFAQ.html>> and again reminded the WG attendees to fill in the affiliation field. Roger reviewed the "Ethics policy" <http://ieee.org/web/membership/ethics/code_ethics.htm>. Roger reviewed the **Clause 6.2** of the IEEE-SA Standard Board Bylaws, which is not part of the patent slide set.

Roger displayed the link to the 802.16-related letters of assurance (http://standards.ieee.org/db/patents/pat802_16.html)

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 identification of patent claims which may be essential for the use of standards under development is encouraged;

There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.

Slide #1-#4 ("IEEE-SA Standards Board Bylaws on Patents in Standard") and Slide #5 (Other Guidelines for IEEE WG meetings) and slide #0 were shown. The slides are available at <http://standards.ieee.org/board/pat/pat-slideset.ppt>.

An opportunity was provided for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of

that standard. Roger emphasized that the Bylaws take precedence over the patent slides and encouraged people to read the Bylaws if they have questions.

An attendee commented that Slide 5 says “Don’t discuss the interpretation, validity, or essentiality of patents/patent claims” but that Slide 1 says that “Participants have a duty to tell the IEEE if they know (based on personal awareness) of potentially Essential Patent Claims they or their employer own.” He wondered if this reporting is considered as discussion.

Roger suggested that the question be directed to patcom@ieee.org. Roger suggested that reporting and discussion may be considered different.

Ayman Naguib of Qualcomm asked to insert the same statement he made at Session #49, noting that he is not sure whether there is any need to make the declaration again. Roger also suggested that he get a confirmation from patcom@ieee.org. The statement from Session #49 was: “Qualcomm may have some IP, that would impact the practice of the standard and we would comply with the IEEE patent policy in a timely fashion if required to do so.”

Arvind Raghavan of ArrayComm said that ArrayComm was listed on the letter of assurance web site but asked whether, due to the format change of the LoA, there a need to resubmit the LoA. Roger asked him to seek an answer from patcom@ieee.org.

Arvind Raghavan of ArrayComm then made the following statement: “ArrayCom may have some IP, that would impact the practice of the standard and we intend to follow the IEEE patent policy in a timely manner”.

An attendee asked when the LoA should be submitted to IEEE-SA? Roger redirected him to patcom@ieee.org.

There were no other responses on the patent topic.

Roger reminded TG chairs regarding reiteration of the Call for Patents. Roger asked the TG chairs to raise a hand if they understand and will follow the patent announcement repetition requirements; all five TG chairs raised their hands.

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 802.16-07/037r1, in particular, issues related to WG operation, Chair’s function, WG Rules such as working group domination, copyrights and contribution procedures. Roger then discussed IEEE 802 project progression and IEEE 802 EC issues.

Roger emphasized the need to follow the contribution template.

Working group status

Roger reviewed the Session #49 Report.

IEEE-SA Actions

[P802.16k/D4](#) was approved on 22 March but is not yet published; it should be published "soon".

IEEE-SA News

IEEE 802 LMSC News
IEEE 802 P&P change ballot
IEEE 802 Working Group Issues:

Failure of P802.16g/D9 approval application. Plan: Approval and publication in September. The core issue is that RevCom was not satisfied with ballot comments submitted directly to the WG and not entered one by one into myBallot. Roger indicated he has scheduled discussion with the RevCom mentor on how exactly to resolve the issues. Roger encouraged people to join in the discussion.

Session #50 Document Guide

- Roger showed the Session #50 document guide.

Roger reviewed the schedule for the week. No questions.

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=20070716>>.

Phil Barber requested five minutes of Opening Plenary time. Roger granted the request, without objection. On the occasion of Session #50, Phil praised Roger's contributions and presented a plaque to recognize Roger's special contribution and his dedication to the 802.16 Working Group.



Roger expressed his gratitude for the recognition.

NetMan Task Group

The NetMan TG draft agenda for the week was presented by the TG Chair Phil Barber (document IEEE 802.16netman-07/012).

Jose Puthenkulam asked if there is any information on IEEE Registration Authority for 802.16 Operator ID. Roger answered that, in the last session, the Authority was reported opened and running. There were few errors on the web site that, though identified to IEEE staff, remain unresolved. Scott Probasco has been tracking these issues. Roger and Scott will try to resolve them. Jose asked if it is possible to add this item into the NetMan TG agenda so that the issues can be submitted to the RAC, which is meeting this week. Roger will ask Scott to coordinate with the NetMan TG.

An attendee asked whether 802.16g can be added into the revision directly, similar to the plan for 802.16i. Roger replied that we need to finish and publish the 802.16g standard based on its approval in Sponsor Ballot. However, the content can also be added to the revision work.

Motion (2:39pm): To authorize the Working Group Chair to request conditional approval for submittal of P802.16g/D9 to RevCom and to seek authorization, from the 802 EC, to request extension of the P802.16g approval deadline beyond the normal three-year limit for amendments, proposed by Phil Barber, seconded by Dan Gale, approved by 78/0/0.

License-Exempt Task Group

The LE TG Chair, Mariana Goldhamer, reviewed the Task Group Review process, activities between meetings, and highlights of FCC coexistence rules in the 3.65 GHz band. Mariana then presented the plan for the week (see IEEE 802.16h-07/015).

Relay Task Group

The Relay Task Group draft agenda for the week was presented by the TG Chair Mitsuo Nohara (IEEE 802.16j-07/021). Nohara-san reviewed the status of P802.16j, statistics of comments and contributions received for this Session, the plan for moving forward, and expected motions in the TG and WG Closing Plenary.

Maintenance Task Group

The Maintenance TG Chair, Jonathan Labs, presented the opening report (IEEE 802.16maint-07/021). Jon reviewed progress on Cor2.

Motion [2:43pm]: "Motion: *To authorise the WG Chair to request withdrawal of the 802.16-2004/Cor2 PAI,*" proposed by Jonathan Labs, seconded by Dan Gale., passed 90/0/0.

Jon reviewed the progress on the revision project. Joe expressed his appreciation for the tremendous work done by the editor Joe Schumacher and assistant editor Ron Murias.

Jon then presented the P802.16Rev2 plan, the proposed schedule for the week, and expected motions in the WG Closing Plenary.

Jose Puthenkulam commented that development work of the 802.16i draft should be done within the NetMan TG. Incorporation into the Revision should come after the completion of WG letter ballot.

TGm

The TGm Chair, Brian Kiernan presented the opening report (document C802.16m-07/027) and the plan for the week.

Liaison

NGMN

Roger reviewed two Liaison Statements received from the NGMN Alliance (Next Generation Mobile Networks).

[IEEE L802.16-07/039](#) (*NGMN recommendations for Next Generation Mobile Network technology*),

Attachment: [IEEE L802.16-07/040](#) (*NGMN White Paper*)

[IEEE L802.16-07/041](#) (*NGMN Alliance Performance Evaluation Methodology*)

Attachment: [IEEE L802.16-07/042](#) (*NGMN Radio Access Performance Evaluation Methodology*)

Roger commented that, since there was no guidance received on how to handle these confidential attachments, they were uploaded on the password protected-server. The attachments were passed to TGm for consideration.

WiMAX Forum

Roger reviewed a WiMAX Forum Liaison Statement:

[IEEE L802.16-07/047](#) (*Liaison Statement from WiMAX Forum regarding Mobile System Profile*)

Attachment: [IEEE L802.16-07/048](#) (*WiMAX Forum Mobile System Profile, Release 1.0 [Rev. 1.4.0]*)

The attachment was passed to TGm for consideration.

ETSI BRAN

Roger displayed ETSI BRAN Liaison Statement

[IEEE L802.16-07/043](#) (*Numbering in Revision 2 of IEEE 802.16 standard*)

Mariana Goldhamer, the ETSI BRAN Liaison Official, presented this Liaison Statement. Roger suggested that the Maintenance TG consider the Liaison Statement.

ITU-R Liaison Issues

IMT-2000

ITU-R Liaison Official José Costa informed the group regarding a contribution related to IMT-2000:

[IEEE L802.16-07/046](#) (Special Meeting of Working Party 8F to Complete Consensus on the Addition of a New IMT-2000 Radio Interface)

[IEEE C802.16-07/017](#) (Proposed IEEE contribution to ITU-R WP 8F: "OFDMA TDD WMAN (IP-OFDMA) Support of Minimum Requirements")

Motion (3:38pm): To authorize the ITU-R Liaison Group to draft documents based on input contribution [IEEE C802.16-07/017](#), tentatively approve it on behalf of the WG (subject to confirmation at the 802.16 Closing Plenary), and submit it for 802.18 review, proposed by José Costa, second by Scott Probasco, passed by

unanimous voice vote.

IMT-Advanced

José Costa informed the WG on activities toward IMT-Advanced technical requirements.

[IEEE L802.16-07/044](#) (Report on IMT Advanced WP8F Input)

[IEEE L802.16-07/045](#) (IMT-Advanced Technical Requirements: Summary of status after 22nd Meeting of WP8F)

One members suggested submitting comments on the IMT-Advanced technical requirements directly to ITU-R, considering the diverse opinions of the 802.18 TAG. Another member asked about the motivations of 802.18 TAG harmonization activity. Another said that 802.18 TAG feels it can make a better contribution by harmonize contributions from different WGs as much as possible, but without limiting the possibility of the 802.16 WG's direct submission. Roger encouraged people to attend the 802.18 WG discussions on Tuesday evening.

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.

LCD projector and meeting room management were discussed.

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

Session #51: 17-20 Sept 2007: Malaga, Spain (hosted by Gordon Antonello) . Roger displayed the Web site for this session. Hotel reservations are open.

Session #52: 12-15 November 2007: Atlanta, GA, USA, with [IEEE 802 Plenary Session](#).

Session #53: 21-24 January 2008; Levi, Finland (hosted by Carl Eklund)

Session #54: (tentatively) 17-20 March 2008: Orlando, FL, USA, with [IEEE 802 Plenary Session](#)

Session #55: May 2008: site to be determined at Closing Plenary of Session #50

Proposals solicited; please see [IEEE 802.16 Interim Session Guidelines](#).

Session #56: 14-17 July 2008 in Denver, CO, USA, with [IEEE 802 Plenary Session](#)

Strawpolls for TG meeting attendance in order to assist the meeting room allocations.

TGm: 210

Relay: 75

Maintenance: 25

Licence exempt: 10

NetMan: 6

ITU Liaison: 25

New Business

No new business.

Motion to adjourn at 4:05pm, proposed Brian Kiernan, seconded by Sean Cai, passed without objection.

IEEE 802.16 Session #50 Closing Plenary Meeting

July 19 2007

Call to Order

Roger called the meeting to order at 7:37 pm, following a 30-minute delay announced to accommodate the late closing of TGm.

Approval of Agenda

The Closing Plenary agenda <<http://ieee802.org/16/meetings/mtg50/closing.html>> was reviewed.

Without objection, the Closing Plenary Meeting Agenda on the server was approved.

NetMan Task Group

A report on the P802.16g and P802.16i projects was made by the TG Chair Phillip Barber (IEEE 802.16netman-07/014).

Motion (7:45 pm):

“To develop and issue the Draft document P802.16i/D4 based on the resolution of comments as recorded in 802.16-07/038r1, and to authorize the WG Chair to initiate a Working Group Letter Ballot recirculation on the Draft, to close around September 14, 2007”, Proposed by Phil Barber, seconded by Lei Wang. Passed 72/0/0.

Motion (7:51pm):

“To approve the contribution C802.16-07/018r1 and submit the document to the IEEE-RAC for modification and update of the 802.16 Operator ID portion of the RAC website”, proposed by Phil Barber, seconded by Jose Puthenkulam, passed by unanimous voice vote.

Maintenance Task Group

A report was presented by TG Chair Jon Labs (IEEE 802.16maint-07/020).

A member commented that it is not a good use of time to do another editorial comment cycle, and delaying the revision project delays other TG projects because new amendments cannot be approved until the revision is approved.

License-Exempt Task Group

A report was made by TG Chair Mariana Goldhamer (IEEE 802.16h-07/017).

Motion (8:09pm)

“Authorize the LE TG Editor to create the Working Group Draft IEEE P802.16h/D2c based on the comment resolutions recorded in the database IEEE 802.16h-07/014r2”, proposed by Mariana Goldhamer, second by Xiaoyu Wu, passed 49/0/0.

Motion (8:11pm)

“Empower the 802.16 Working Group to initiate a Letter Ballot during Session #51 on P802.16h/D2c, as modified by the comment resolution in Session #51, in the event that there is no quorum,” proposed by Mariana Goldhamer, seconded by Shulan Feng, passed 47/0/0.

Relay Task Group

A report was made by the Relay TG Chair Mitsuo Nohara (IEEE 802.16j-07/023) on the progress of the Relay TG.

Motion (8:30pm):

To approve 802.16j-06/026r5 (to be issued by the Relay TG Editors) as the working group draft P802.16j/D1 and to authorize the WG Chair to open WG Letter Ballot on P802.16j/D1 to close on 3 Sept., 2007 AOE, proposed by Mitsuo Nohara, seconded by DJ Johnston.

One member commented that he is not opposing the motion; however, he has some concerns on the timing of completion of the LB with respect to the revision project. There was some discussion on the timing and schedule.

Motion passed 88/0/18.

TGm

A report was presented by TG Chair Brian Kiernan (IEEE 802.16m-07/028). Brian reviewed the IEEE 802.16m Internal Documents Configuration Control Procedure document (IEEE C80216m-07/161r1).

There was a long discussion on the document IEEE C80216m-07/161r1.

Motion (9:04pm):

“That the 802.16 Working Group adopt the TGm Change Control procedure outlined in C802.16m-07/161r1, proposed Brian Kiernan, Second Carl Eklund.

There was a long discussion on the contents of the document IEEE C80216m-07/161r1.

Motion failed: 40/65/6.

Liaison: ITU-R

ITU-R Liaison Officer José Costa made a report (IEEE L802.16-07/050) and reviewed the document “OFDMA TDD WMAN (IP-OFDMA) SUPPORT OF MINIMUM REQUIREMENTS” (IEEE L802.16-07/049d1)

Motion (9:15pm): To confirm the approval of IEEE L802.16-07/049d1 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, proposed by José Costa, seconded by Sang Youb Kim, passed 59/0/4.

Motion (9:15pm): “To authorize ITU Liaison Group to develop input by correspondence on IMT-Advanced technical requirements for submission to the 802.18 meeting in September”, proposed by José Costa, seconded by Scott Probasco, passed 49/0/0.

ETSI BRAN

Jon Lab reviewed the liaison draft letter to ETSI BRAN (IEEE 802.16maint-07/025)

Motion (9:31pm)

“To approve the document IEEE 802.16maint-07/025 as as the response letter to Liaison statement L802.16-07/043, reissuing it as L802.16-07/051 after editorial modification, and to forward the letter,” proposed by Jon Labs, seconded by Brian Kiernan, passed 46/0/0.

[Note: statement was numbered L802.16-07/052.]

NGMN Alliance

Brian Kieran reviewed the draft liaison letter to the NGMN Alliance (IEEE L802.16-07/051). Roger suggested some minor editorial changes to create the new revision (IEEE L802.16-07/051r1).

Motion (9:38pm)

To accept the liaison statement (IEEE L802.16-07/051r1) and forward it to NGMN alliance, proposed by Brian Kieran, seconded by Lei Wang, passed 66/0/0.

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

Session #51: 17-20 September 2007: IEEE 802.16 Interim Session, Malaga, Spain

The web page is available for information and hotel reservation. The daily meeting schedule will be adapted to the local custom. The session may end earlier than 10 pm Thursday.

Straw poll on the meeting attendance for Session #51:

TGm: 115

Relay: 25

Maintenance: 6

LE: 5

NetMan: 2

ITU-R Liaison : 8

People who will not attending: 8

Motion (9:44pm):

“To authorize the WG to act with or without Quorum in Session #51”, proposed John Humbert, seconded by Phil Barber, 79/0/0.

A site tour (of AT4 wireless) is planned for Monday morning.

Session #52: 12-15 November 2007 in Atlanta, GA, USA with IEEE 802 Plenary Session

Session #53: 21-24 January 2008; Levi, Finland (hosted by Carl Eklund)

Session #54: (tentatively) 17-20 March 2008: Orlando, FL, USA, with IEEE 802 Plenary Session

Session #55: May 2008: Site Selection per IEEE 802.16 Interim Session Guidelines

Roger reviewed the site selection guidelines.

Sean Cai and Jianmin Lu presented a single proposal (C802.16-07/020 and S802.16-07/020) for 12-15 May 2008 in China, with two options on which they sought the view of the WG attendees.

Straw poll on the options, with all those present eligible to participate:

Option 1 (Xian): 54

Option 2 (Macau): 120

Motion (10:18 pm):

To accept the offer for Option 2 in the document IEEE C802.16-07/020, proposed by Phil Barber, seconded by Sean Cai, passed by unanimous voice vote.

Session #56: 14-17 July 2008 in Denver, CO, USA, with IEEE 802 Plenary Session

Session #57: September 2008 (preferably 15-18 Sept); site to be determined at Closing Plenary of Session #52
Proposals solicited; please see IEEE 802.16 Interim Session Guidelines.

Session #58: 10-13 Nov 2008 in Dallas, Texas, USA, with IEEE 802 Plenary Session

Publicity

Without objection, Roger will prepare Session #50 Report.

EC Motions

P802.16/Cor2: PAR withdrawal

P802.16g to RevCom (Conditional approval)

Mat Sherman provided an update on the AudCom rules change ballot underway. Roger thanked Mat for his effort on this ballot as EC Vice Chair.

New Business

Roger reviewed the patent slide set and provided a Call for Patents opportunity.

Closing

A Motion (at 10:30 pm) to adjourn the meeting was made by David Johnston, seconded by Shawn Taylor, and carried by unanimous voice vote. The meeting was adjourned at 10:30 pm on 19 July 2007.

Web References

Session #50 Web Page

<http://ieee802.org/16/meetings/mtg50>

Session #50 Attendance and Participation List

<http://ieee802.org/16/meetings/mtg50/reglist.html>

Session #50 Report

<http://ieee802.org/16/meetings/mtg50/report.html>

Attachments

Working Group Membership List, following post-session updates [not available in first draft]