Project	**IEEE 802.16 Broadband Wireless Access Working Group <**http://ieee802.org/16**>**
Title	**Minutes of IEEE 802.16 Session #80**
Date Submitted	**2012-09-13**
Source(s)	Harry Bims Bims Laboratories, Inc.	Voice: +1-650-283-4174 harrybims@me.com
Re:	IEEE 802.16 Session #80 (San Diego, California, USA)
Abstract	IEEE 802.16 Session #80 Minutes
Purpose	To record the minutes of the IEEE 802.16 Working Group Opening and Closing Plenary meetings at Session #80. For approval at Session #81
Copyright Policy	The contributor is familiar with the IEEE-SA Copyright Policy <http://standards.ieee.org/IPR/copyrightpolicy.html>.
Patent Policy	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>.
Status	*This document does not represent the agreed views of the IEEE 802.16 Working Group or any of its subgroups. It represents only the views of the participants listed in the "Source(s)" field above. It is offered as a basis for discussion. It is not binding on the contributor(s), who reserve(s) the right to add, amend or withdraw material contained herein.*

Minutes of IEEE 802.16 Session #80

IEEE 802.16 Working Group
San Diego, California
July 16-19, 2012

IEEE 802.16 Session #80 Opening Plenary Meeting

Monday July 16, 2012, 13:34 – 15:31 hours.

Opening

The Working Group (WG) meeting was called to order by Roger Marks at 13:34 hours local time. He welcomed the Working Group to San Diego for Session #80 of the IEEE 802.16 WG.

Roger presented an overview of the operation of the Session #80 webpage.

Dr. Roger Marks began by introducing himself as the Chair of the IEEE 802.16 Working Group (the "WG") and stated his affiliation with Consensii LLC, Mobile Pulse, Inc, and the WiMAX Forum. Dr. Harry Bims, affiliated with Bims Laboratories, introduced himself as WG Acting Secretary.

Roger explained how to access documents using the online IEEE Mentor Documents system.
Roger noted the web site <http://docii.wirelessman.org> and that it is an alternative front end for accessing WG documents. Useful feature is to search by subgroup or meeting to which the document has been assigned.
Roger presented the mentor site. Roger presented the upload server for accessing sponsor ballot comments received.
Roger presented a review of the IEEE 802.16 Session #79 Report.

Membership and Voting

The WG Chair described types of Membership in the WG as well as the rights and obligations of Membership in the WG (http:// ieee802.org/16/membership.html). At the beginning of the Session there were 47 Members (<http://ieee802.org/16/members.html>) of the WG. Potential Members (<http://ieee802.org/16/members_pot.html>), Members in Peril (<http://ieee802.org/16/members_peril.html>) and Observers (<http://ieee802.org/16/observers.html>) were also noted. Members of the WG were advised to verify that their registration badge correctly indicated their membership as a voting member of the IEEE 802.16 WG.

Attendance

The attendees were informed that acquiring and retaining Membership in the WG depends on logging attendance correctly in the IEEE Automated Meeting Attendance Tool ("IMAT"). The WG Chair demonstrated the method of registering in the IMAT system from http://attendance.wirelessman.org. The attendance software's "Affiliation" field is the appropriate Affiliation per IEEE-SA affiliation disclosure requirements (reference <http://standards.ieee.org/faqs/affiliationFAQ.html>) and will be reported as such. The WG Chair explained that entering "IEEE" as an affiliation is invalid and no participation credit will be given in that case. Attendees were advised that they must record at least 75% of the possible credit hours in the IMAT attendance system in order to ensure "Participation" status for the session. Attendees were further advised that for this session, there are 29 hours worth of meetings, so 22 hours of attendance are required to reach 75%. However,

the number of hours may decrease based on scheduling discussions within the task groups and study groups. The WG Chair demonstrated how to modify your current affiliation using the IMAT system.

Approvals

The WG Chair reviewed the IEEE 802.16 Session #80 Opening Plenary Agenda, which was available at <http://ieee802.org/16/meetings/mtg80/agenda.html>, and asked for comments or concerns. None were received.

Motion (13:46 h): "*Motion: To approve the IEEE 802.16 Session #80 Opening Plenary Meeting Agenda as presented*."
Moved by Dan Gal, seconded by Tim Godfrey.
Motion approved by unanimous consent.

The WG Chair asked if there were any comments on the minutes of the previous session. None were received.

Motion (13:48 h): *"To approve the Minutes of Session #79 (Document IEEE 802.16-12-0400-00)."*
Moved by Jaesun Cha, seconded by Yan-Xiu Zheng.
Motion approved by unanimous consent.

Working Group Chair's Administrative Report

Roger presented the Patent Slides for Standards Development Meetings <https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf>. The WG Chair instructed the secretary to record in the minutes that slides 0-4 were shown, and that an opportunity was given to the attendants to respond, and that no response was provided.

The WG Chair reminded the group that Letters of Assurance (LoA) are available at the IEEE-SA web site. A database of LoAs related to IEEE 802.16 is available at <http://standards.ieee.org/db/patents/pat802_16.html>. The WG Chair instructed the Task Group and Study Group chairs to repeat the patent policy in their groups per the details provided for the respective groups. Copyright information is available at <http://ieee802.org/16/ipr/copyrights>.

Roger noted that the study group meetings are regarded as pre-PAR meetings. This requires a different patent policy document to be presented at the start of each meeting than what is used for the working group and the task groups. This patent policy document is included in the Session #80 agenda for the HetNet Study Group and the Metrology Study Group.

The WG Chair displayed and presented Document *IEEE 802.16-12-0459-00-Gdoc*, the Chair's IEEE 802.16 Administrative Report. The status for each task group and study group was presented.

The WG Chair disclosed that Tim Godfrey has agreed to participate in an IEEE 802 EC Ad Hoc meeting on Smart Grid/Smart Utility Networks. Formation of a Technical Advisory Group on Smart Grid technology will be discussed.

IEEE 802 Issues

The WG Chair mentioned that there are 3 IEEE 802 tutorials scheduled for this week. All three tutorials are happening tonight, and the WG Chair gave a short overview for each.

The WG Chair presented an overview of the IEEE 802 Proposed PARs currently under consideration, and invited comments from the working group. There were no comments offered by the group to the proposed PARs.

IEEE-SA Collaboration Tool

Greg Marchini and Christina Boyce from the Solutions Team at the IEEE-SA gave an overview of their new document collaboration tool. In addition to myProject, IMAT, Mentor, and Grouper, they are now adding Central Desktop. They have 3 walk in information sessions in Seaport Tower, 3rd Floor, Moshen A, scheduled for Wednesday and Thursday.

Ther was discussion concerning the use of the Central Desktop tool for a small group within the 802.16 Working Group. The IEEE-SA is in charge of setting up a workspace for an administrator who then invites other users.

Working Group Status/Issues

The WG Chair presented the status of working group, including both past and future 802.16 Interim Sessions, and their locations; the currently active projects; and the current 802.16 WG Officers. The WG Chair discussed the IEEE 802.16 Session #79 Report, located at http://ieee802.org/16/meetings/mtg79/report.html.

He mentioned there are two open positions, one for the Vice-Chair position, and another for the Treasurer position. For the time being, the IEEE 802 Treasurer has agreed to be a second signatory for financial transactions with our bank account. Any volunteers for either of these positions should inform the WG Chair.

The WG Chair presented the IEEE 802.16 Session #80 Document Guide. The document is available at http://www.wirelessman.org/meetings/mtg80/docs.html.

The WG Chair displayed and presented his proposed WirelessMAN Interactive Calendar for Session #80, whose online link can be found at http://www.wirelessman.org/meetings/mtg80/docs.html. The WG Chair explained that meetings are scheduled for either the Ford A/B room, or the Ford C room. If a group scheduled to use Ford C room and the Ford A/B room is not in use, the group can use the room.

Maintenance TG Report:

Maintenance TG Chair Yan-Xiu Zheng presented *Document 802.16-12-0471-00-Gdoc*, the "Session #80 Maintenance Task Group Opening Report".

Sponsor Ballot results for IEEE 802.16REV3 and IEEE P802.16.1 are approved. Comment review of the pre-publication document for IEEE 802.16REV3 will take place in the Tuesday AM1 timeslot. Additional volunteers were requested to help with the review. There were several new volunteers from the working group who responded. Roger mentioned that there are documents that are needed to properly perform a review, so new volunteers should talk to Yan-Xiu Zheng to get those documents.

M2M TG Report:

M2M TG Chair Jaesun Cha presented Document IEEE 802.16-12-0446-01-Gdoc, "Session #80 802.16 M2M Task Group Opening Report".

He presented the status of sponsor ballots on P802.16p/D6 and P802.16.1b/D3. Both satisfy the numerical conditions for approval. The TG has finished its comment resolution, and has no need to have a meeting this week. Jaesun presented the M2M TG plans for the week to start sponsor ballot recirculation.

Motion (14:42 h): "*Motion: To initiate a SB recirculation on P802.16p/D6, based on P802.16p/D5 as modified by the comment resolutions contained in IEEE 802.16-12-0403-00-Gdoc, to start by July 17, 2012*"
Moved by Jaesun Cha seconded by Hunjeong Kang.
The voting results shows 19 in favor, 0 opposed, 0 abstain. The motion passed.

Motion (14:46 h): "*Motion: To request Conditional Approval from the IEEE 802 Executive Committee to forward the IEEE P802.16p Draft to RevCom*"
Moved by Jaesun Cha seconded by Hunjeong Kang.
The voting results showed 21 in favor, 0 opposed, 0 abstain. The motion passed.

Motion (14:48 h): "*Motion: To initiate a SB recirculation on P802.16.1b/D5, based on P802.16.1b/D4 as modified by the comment resolutions contained in IEEE 802.16-12-0403-00-Gdoc, to start by July 17, 2012*"
Moved by Jaesun Cha seconded by Tim Godfrey.
The voting results showed 21 in favor, 0 opposed, 0 abstain. The motion passed.

Motion (14:49 h): "*Motion: To request Conditional Approval from the IEEE 802 Executive Committee to forward the IEEE P802.16.1b Draft to RevCom.*"
Moved by Jaesun Cha seconded by Hunjeong Kang.
The voting results showed 21 in favor, 0 opposed, 0 abstain. The motion passed.

GRIDMAN TG Report:

GRIDMAN TG Chair Tim Godfrey presented *Document IEEE 802.16-12-0468-00-Gdoc*, the "GRIDMAN Task Group Opening Presentation Session #80". Tim discussed the GRIDMAN comment resolution status, letter ballot recirculation results, and output documents from Session #79. He also presented the GRIDMAN TG agenda for the week. GRIDMAN TG Chair also presented the goals for Session #80, and the agenda for the week.
Roger Marks reminded the WG that the GRIDMAN Task Group will ask for conditional approval to go to Sponsor Ballot at the WG Closing Plenary.

Project Planning Committee (PPC) Report:

PPC Acting Chair Roger Marks mentioned *Document IEEE 802.16-12-0353-01-Gdoc*, the "802.16 Enhancements to Support Direct Communications for Proximity-based Applications". He further mentioned there are two additional input contributions on that topic, *Document IEEE 802.16-12-0461-00-Gcon*, the "Enhancements to Direct Communication for Proximity-based Applications", and *Document IEEE 802.16-12-0462-00-Gcon*, the "proximity-based-direct-comm", that will be discussed this week.

ITU-R Liaison:

ITU_R Liaison Acting Chair Hajime Kanzaki discussed *Document IEEE 802.16-12-0456-01-Gdoc*, the "ITU-R Liaison Group Report – Session #80 Opening Plenary", the input documents for Session #80, and the proposed agenda and workplan for the week.

Roger Marks described contribution *Document IEEE 802.16-12-0472-00-Gcon*, the "Planning for Development

of IMT-Advanced Parameter Set for ITU-R JTG 4-5-6-7". The WG is being asked to provide input on the topic of new spectrum allocations to be decided at the World Radio Conference in 2015. The WP 5D asked for input to their activity by the end of this year, particularly for frequencies below 1 GHz. The Chair of WP 5D is recommending their group send a liaison request to 3GPP and 802.16 for the input that 5D will provide. We may have to begin to harmonize our contribution with 3GPP prior to our respective submissions to WP 5D.

Motion (15:12 h): "*Motion: To authorize the ITU-R Liaison Group to tentatively approve contributions to ITU-R on behalf of the WG (subject to confirmation at the 802.16 Closing Plenary), submit them for 802.16 TAG review, and represent the WG with the 802.18 TAG.*"
Moved by Hajime Kanzaki seconded by Dan Gal.
The motion was approved by unanimous consent.

HetNet Study Group:

HetNet Study Group Chair Harry Bims presented Document IEEE 802.16-12-0464-00-Shet, the "Heterogeneous Networks Study Group: Session #80 Opening Report". He reviewed the agenda and schedule for the week for the study group.

Motion (15:20 h): "*Motion: To authorize the HetNet Study Group to address comments received on PAR 802.16-12-0394-00 and approve revisions for submission to the IEEE 802 EC, pending final WG approval in the Closing Plenary.*"
Moved by Hajime Kanzaki seconded by Dan Gal.
The motion was approved by unanimous consent.

Metrology Study Group:

Metrology Study Group Acting Chair Hyunjeong Kang presented Document IEEE 802.16-12-0395-01-Gcon. She reviewed the status of the study group. She reviewed the agenda and schedule for the week, and expected closing plenary motions.

Motion (15:26 h): "*Motion: To authorize the Metrology Study Group to address comments received on PAR 802.16-12-0395-00 and approve revisions for submission to the IEEE 802 EC, pending final WG approval in the Closing Plenary.*"
Moved by Hyunjeong Kang seconded by Dan Gal.
The motion was approved by unanimous consent.

The WG Chair presented the meeting schedule for the week, and cancelled the Tuesday EVE1 Metrology Group meeting slot.

Meeting Logistics and Reporting
When you are finished with your meeting, hit the off button on the projector. Do not unplug it.
If you finish early, send an email to IEEE@verilan.com.

Future Sessions
Roger discussed the location and time of future IEEE 802 Plenary sessions and IEEE 802.16 interim meetings
<http://ieee802.org/16/calendar.html>.

AOB

None.

Motion (15:31 h): Yan-Xiu Zheng made a motion to adjourn. Seconded by Tim Godfrey.
The motion was approved by unanimous consent.
The meeting adjourned at 15:31 hours.

IEEE 802.16 Session #80 Closing Plenary Meeting

Thursday, July 19, 2012, 19:36 – 21:23

Opening

The WG Chair of the 802.16 WG called the meeting to order at 19:36 local time.

Roger Marks reviewed the 802.16 Session #80 Closing Plenary agenda, posted online at <http://ieee802.org/16/meetings/mtg80/agenda.html>.

Roger asked the attendants if they had any questions concerning the agenda. There were none.

Membership and Voting

The WG Chair informed the WG that the membership totals would be updated after this session.

Motion (19:41 h): "*Motion: To approve the Closing Plenary Meeting Agenda as presented.*"
Moved by Tim Godfrey, seconded by Jaesun Cha.
Motion approved by unanimous consent.

The WG Chair reminded the attendees of the patent policy and asked if anyone needed a review of the details. No request was made, and the meeting proceeded.

Subgroup Reports

Maintenance TG Report:

Maintenance TG Chair Yan-Xiu Zheng discussed the actions of the task group regarding the comments received from the IEEE editor on the pre-publication document IEEE 802.16Rev3. He mentioned that in the process of updating the document a section was inadvertently deleted. Roger mentioned that the issue concerning TLV 148 could have been considered technical, but the staff editor considered the change acceptable.
Yan-Xiu mentioned regarding 802.16.1 that the comments from the editor would arrive on Friday. Roger mentioned that he would like a group of volunteers to review the comments, and use the Central Desktop tool to share the documents, staff editor comments, and our responses.
Jaesun Cha and Hyunjeong Kang volunteered to join the review team, along with Yan-Xiu Zheng.
Yan-Xiu stated the current plan is to not have any maintenance task group meeting in September.

M2M TG Report:

M2M TG Chair Jaesun Cha presented Document IEEE 802.16-0447-01-Gdoc, the "P802.16p to RevCom: Conditional Approval Request", and IEEE 802.16-0448-01-Gdoc, the "P802.16.1b to RevCom: Conditional Approval Request", in the course of showing Document IEEE 802.16-12-0504-00-Gdoc, the "Session #80 802.16 M2M Task Group Closing Report".

Jaesun discussed the activities of the week, and comment resolution results.

Motion (20:00 h): *"To have a teleconference call on August 6, 2012, 23:00 UTC for comment resolution, if necessary."*
Moved by Jaesun Cha; seconded by Tim Godfrey.
Discussion: There was none.
The motion passed by unanimous consent.

GRIDMAN TG Report:

GRIDMAN TG Chair Tim Godfrey presented *Document IEEE 802.16-12-0469-01-Gdoc*, the "GRIDMAN Task Group Closing Report – Session #80".
Tim discussed the accomplishments for the week, and the Session #80 Output Documents. Tim mentioned that staff has promised to turn around the Letter Ballot drafts in one week (by July 27, 2012).

Motion (20:09 h): *"To authorize the editor to generate Draft P802.16n/D4 based on Draft P802.16n/D3 and the comment resolutions in 'IEEE 802.16-12-0444-02-Gdoc' and to request the WG to conduct a Confirmation Recirculation Ballot on Draft P802.16n/D4."*

Motion (20:09 h): *"To authorize the editor to generate Draft P802.16.1a/D4 based on Draft P802.16.1a/D3 and the comment resolutions in 'IEEE 802.16-12-0445-02-Gdoc' and to request the WG to conduct a Confirmation Recirculation Ballot on Draft P802.16.1a/D4."*

Motion (20:09 h): *"To request EC Conditional approval to forward Draft P802.16n/D4 to Sponsor Ballot."*

Motion (20:09 h): *"To request EC Conditional approval to forward Drat P802.16.1a/D4 to Sponsor Ballot."*

Motion (20:09 h): *"To authorize the WG chair and GRIDMAN chair to process comments arising from the Confirmation Recirculation Ballots on Draft P802.16n/D4 and Draft P802.16.1a/D4, and take necessary actions to continue the process of Sponsor Ballot on these drafts."*

Tim Godfrey made a motion to approve all five motions at once. Seconded by Eunkyung Kim.
The voting results showed 14 in favor, 0 opposed, 0 abstain.
The motion passed by unanimous consent.

Roger asked if Tim had begun to work on the conditional approval documentation. Tim mentioned he would begin that work tomorrow.
Roger asked about whether there were any disapprove votes. Tim said there was 1 disapprove vote on 16n, and another disapprove vote on 16.1.

Project Planning Committee:

PPC TG Chair Roger Marks presented *Document IEEE 802.16-12-0497-01-Gdoc*, the "Project Planning Committee Report and Minutes – Session #79".

Based on an input contribution, the PPC had agreed to study BS-controlled direct communication (DC) for proximity-based applications. The PPC solicits inputs on this topic, including clarification of the differences from DC being developed in other standardization activities. It was clarified that this includes GRIDMAN DC.

HetNet Study Group:

HetNet SG Chair Harry Bims presented Document IEEE 802.16-12-391-00-Gdoc, the "HetNet SG Closing Report for Session #79".
Harry described the activities of the study group for the week, the proposed PAR and Five Criteria document, and the proposed Call for Contributions.

Motion (20:27 h): *"To approve the proposed Multi-tier Networks PAR and Five Criteria (IEEE 802.16-12-0394-05-Gdoc)."*

Moved by Harry Bims; seconded by Hyunjeong Kang.
Discussion: There was none.
The voting results showed 14 in favor, 0 opposed, 0 abstain. The motion passed.

Motion (20:28 h): *"To approve the following Calls for Contributions: OmniRAN Call for Contributions toward the HetNet Study Group for Session #81 (IEEE 802.16-12-0506-00-Shet); Call for Contributions on Multi-tier Networks for Session #81 (IEEE 802.16-12-0507-01-Shet); and Call for Contributions: Small-Cell Backhaul (SCB) Enhancements to WirelessMAN-OFDMA HetNet Study Group (IEEE 802.16-12-0509-02-Gdoc)"*.

Moved by Harry Bims; seconded by Ching-Tarng Hsieh.
Discussion: There was none.
The voting results showed 14 in favor, 0 opposed, 0 abstain. The motion passed.

Motion (20:29 h): *"To extend the HetNet SG activity through the Session #82 November Plenary."*

Moved by Harry Bims; seconded by Jaesun Cha.
Discussion: There was none.
The voting results showed 14 in favor, 0 opposed, 0 abstain. The motion passed.

Metrology Study Group:

Metrology SG Acting Chair Hyunjeong presented *Document IEEE 802.16-12-0490-01-Gdoc*, the "Metrology SG Closing Report".

She described a summary of the meeting activities and input contributions, and next steps for the SG at Session #80.

Motion (20:44 h): *"To approve the proposed P802.16.3 PAR and Five Criteria for Mobile Broadband Network Performance Measurements (802.16-12-0489-00-Gdoc)."*

Moved by Hyunjeong Kang; seconded by Yan-Xiu Zheng.

Roger disclosed to the group that the IEEE 802 Chair, Paul Nikolich transmitted an email to the IEEE 802 EC on the subject of responses to comments on the P802.16.3 PAR. The online link to the email is **http://ieee802.org/secmail/msg15057.html**. The text of the email is as follows:

> Roger,
>
> Thank you for the WG and the SG for the responses to my comments, they are acceptable and I fully support the proposed project.
>
> EC Members, please take note--since the proposed project breaks new ground for 802 in that it;
> a) will specify operations at OSI layers not traditionally addressed by 802 standards, and
> b) has cross-working group applicability,
>
> I encourage participation from the wider 802 community with interest in the development of a standard that specifies procedures for characterizing the performance of deployed mobile broadband networks from a user perspective.
>
> Regards,
>
> --Paul

Motion (21:00 h): *"To renew the IEEE 802.16 Working Group's Study Group on Broadband Wireless Access Metrology through the November 2012 IEEE 802 Plenary"*.

Moved by Hyunjeong Kang; seconded by Yan-Xiu Zheng.

Discussion: There was none.

The voting results showed 12 in favor, 0 opposed, 0 abstain. The motion passed.

Motion (21:04 h): *"To approve the issuance of the Call for Contributions for 802.16 Metrology SG for Session #81 (802.16-12-0491-00-Smet and 802.16-12-0492-00-Smet)"*.

Moved by Hyunjeong Kang; seconded by Ching-Tarng Hsieh.

Discussion: There was none.

The voting results showed 14 in favor, 0 opposed, 0 abstain. The motion passed.

ITU-R Liaison Group Report:

ITU-R Liaison Acting Chair Hajime Kanzaki presented the document IEEE 802.16-12-0499-00-Gdoc, the "ITU-R Liaison Group Report, Session #80 Closing Plenary".

Motion (20:56 h): *"To approve the following documents subject to editorial corrections. 1) 16-12-0487-00-Gdoc – Draft contribution ITU-R WP 5D-Update of WirelessMAN-Advanced RIT of Rec. ITU-R M.2012 (Meeting Y+1)"*

Moved by Hajime Kanzaki; seconded by Jaesun Cha.
Discussion: There was none.
The voting results showed 14 in favor, 0 opposed, 0 abstain. The motion passed.

Motion (21:03 h): *"To approve the following documents and authorize the WG Chair to forward them to its recipients subject to any editorial corrections. 1) 16-12-0488-00-Gdoc – Draft Statement to WATO members regarding Meeting Y+1 Contribution of WirelessMAN-Advanced toward Rec. ITU-R M.2012-1"*.
Moved by Hajime Kanzaki; seconded by Tim Godfrey.
Discussion: There was none.
The voting results showed 12 in favor, 0 opposed, 0 abstain. The motion passed.

Roger noted that we should remind the Chair to forward Document 060 to Mike Lynch.

The WG Chair presented Document IEEE 802.16-12-0511-00-Gcon, the Proposed Draft IEEE 802.16 Working Group on Broadband Wireless Access letter to WATO members, dated July 19, 2012, on the subject of "Liaison statement to WATO members regarding Sharing Parameters".
The WG Chair stated that the liaison statement asks us to submit our input directly to ITU-R Working Party 5D for their meeting in October. The deadline is September 26th, which does not give us much time to develop the submission and get the proper IEEE 802 approvals in time. The recommendation of the Chair is to ask for help from WATO members to help with the development of the submission. This was the basis for the proposed draft letter.

Motion (21:10 h): *"To approve Document IEEE 802.16-12-0511-Gcon"*.
Moved by Yan-Xiu Zheng; seconded by Hyunjeong Kang.
Discussion: There was none.
The voting results showed 14 in favor, 0 opposed, 0 abstain. The motion passed.

Future Sessions

The WG Chair discussed the time and location of Session #81 and Session #82.
The WG Chair discussed the Session #80 early registration deadline is coming up in two weeks.

The WG Chair noted that PPC has requested 4 slots, and ITU-R will probably need 4 slots. We will probably need 8 GRIDMAN slots to handle the potential sponsor ballot comments. Metrology SG would probably need 6 slots. HetNet SG would probably need 8 slots.

AOB

The WG Chair mentioned that there may be a need for the Study Groups to host 2 to 3 teleconference calls at some point before the start of Session #81 in order to address potential contribution topics in a timely manner.

Adjournment

Motion (21:23 h): *"To adjourn"*
Moved by Jaesun Cha; seconded by Tim Godfrey.
Motion passed by unanimous consent.

The IEEE 802.16 Working Group on Broadband Wireless Access Standards

IEEE 802.16 Members

Updated: 2012-08-16 accounting for Session #80.

Number of members: 46
Next scheduled update: following Session #82.

See also:

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

Name\Family	Name\Given	Affiliation	City	State/Province	Country/Admin
Al-Kanani	Hassan	NEC Corporation	London		UK
Barber	Clifton	KDDI R&D Laboratories	Jonesboro	GA	USA
Barber	Phillip	Huawei Technologies Co. Ltd	Plano	TX	USA
Bims	Harry	Bims Laboratories, Inc.	Menlo Park	CA	USA
Cha	Jaesun	Electronics and Telecommunications Research Instititue (ETRI)	Daejeon		Korea
Chang	Sung-Cheol	Electronics and Telecommunications Research Instititue (ETRI)	Daejeon		Korea
Colban	Erik	Huawei Technologies Co. Ltd	San Diego	CA	USA
Fang	Yu-Chuan	ITRI International Inc.	Chutung, Hsinchu	Taiwan	Taiwan

Gal	Dan	ALCATEL-LUCENT	Morris Plains	NJ	USA
Godfrey	Tim	Electric Power Research Institute, Inc. (EPRI)	Overland Park	KS	USA
Hoang	Anh Tuan	Institute for Infocomm Research	Singapore		Singapore
Hoang	Vinh Dien	National Institute of Information and Communications Technology (NICT)	Singapore		Singapore
Hsiao	Ying-Chuan	Industrial Technology Research Institute (ITRI)	Chutung, Hsinchu		Taiwan
Hsieh	Ching-Tarng	Industrial Technology Research Institute	Hsinchu		Taiwan
Imata	Satoshi	KDDI R&D Laboratories	Tokyo		Japan
Jung	Soojung	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea
Kang	Hyunjeong	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Kanzaki	Hajime	Hitachi, Ltd.	Kokubunji-shi	Tokyo	Japan
Kim	Eunkyung	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea
Kim	Seokki	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea
Kim	Won Ik	Electronics and Telecommunications Research Institute (ETRI)			Korea
Lee	Anseok	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea

Lee	Hyun	Electronics and Telecommunications Research Instititute (ETRI)	Daejeon		Korea
Li	Honggang	Intel Corporation	Beijing		China
Maeder	Andreas	NEC Laboratories Europe	Heidelberg	DE	Germany
Marks	Roger	Consensii LLC; WiMAX Forum; Mobile Pulse, Inc.; Airspan Networks, Inc.	Denver	CO	USA
Mohanty	Shantidev	Intel Corporation	Santa Clara		USA
Murias	Ron	InterDigital, LLC	Calgary	AB	Canada
Oodo	Masayuki	National Institute of Information and Communications Technology (NICT)	Yokosuka	Kanagawa	Japan
Pathmasuntharam	Jaya Shankar	Institute for Infocomm Research	SINGAPORE		Singapore
Sambasivan	Sam	AT&T	Austin	TX	USA
Shin	Seokjoo	Chosun University			Korea
Shin	Wooram	Electronics and Telecommunications Research Instititute (ETRI)	Daejeon	Chungcheongnam-do	Korea
Shono	Takashi	Intel Corporation	Tokyo	Tokyo	Japan
Taori	Rakesh	SAMSUNG	Suwon	Gyeonggi-do	Korea
Teo	Joseph	Institute for Infocomm Research	Singapore	Singapore	Singapore
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