

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 #66</b>	
Date Submitted	<b>2010-04-22</b>	
Source	Herbert M. Ruck Cisco Systems, Inc.	Voice: 1-817-475-7248 <a href="mailto:herruck@cisco.com">herruck@cisco.com</a>
Abstract	IEEE 802.16 Session #66 Minutes (Orlando, Florida, USA)	
Purpose	To record the minutes of the IEEE 802.16 Working Group Opening and Closing Plenary meetings at Session #66. For approval at Session #67.	
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-SA Patent Policy and Procedures: < <a href="http://standards.ieee.org/guides/bylaws/sect6-7.html#6">http://standards.ieee.org/guides/bylaws/sect6-7.html#6</a> > and < <a href="http://standards.ieee.org/guides/opman/sect6.html#6.3">http://standards.ieee.org/guides/opman/sect6.html#6.3</a> >. Further information is located at < <a href="http://standards.ieee.org/board/pat/pat-material.html">http://standards.ieee.org/board/pat/pat-material.html</a> > and < <a href="http://standards.ieee.org/board/pat">http://standards.ieee.org/board/pat</a> >.	

## Minutes of IEEE 802.16 Session #66

*IEEE 802.16 Working Group  
Orlando, Florida, USA  
15 – 18 March, 2010*

### IEEE 802.16 Session #66 Opening Plenary Meeting

Monday, 15 March 2010, 13:15 - 17:34 hours.

#### Call to Order

The meeting was called to order by the Working Group (WG) Chair Roger Marks at 13:15 hours local time. He welcomed the attendees to Session #66 of the IEEE 802.16 WG. Roger provided the URL <<http://lan.wirelessman.org>> for the Opening Plenary agenda <<http://iee802.org/16/meetings/mtg66/opening.html>> and the welcome page that provided the links to the upload facilities, attendance, etc. Roger explained the web site and the WirelessMAN Interactive Calendar.

Roger Marks introduced himself as Chair of the Working Group (WG). Vice Chair Jose Puthenkulam, Secretary Herbert Ruck and Treasurer Scott Migaldi introduced themselves. Roger invited people to get acquainted with each other during the week and indicated that the members will be happy to assist the new attendees.

#### Logistics, Registration

Roger Marks outlined the networking, logistical and registration issues. Roger explained the document upload procedures.

#### Membership and Voting

The lists of WG [Members](#), [Potential Members](#), [Members in Peril](#) and [Observers](#) were explained by the Chair. The 802.16 WG had 379 members before the start of the session. Voting tokens were included in the registration badge. Roger Marks explained that membership depends on logging attendance correctly in the IMAT attendance system.

#### Attendance

- Working Group [Membership](#) depends on "participation".
- "Participation" depends on attendance (75%).
- "Attendance" depends on attendance logs recorded during each individual meeting interval.
- 35 credit hours were recognized at this session, therefore 27 credit hours are needed to qualify for attendance.
- Do not request special credit.
- Membership also depends on participation in ballot voting. The Chair will review the participation in ballots following this meeting.

#### Attendance Log Procedure

The chair demonstrated the method of registering in the [IEEE Automated Meeting Attendance Tool](#) ("IMAT") system to receive participation credit for Session #66. This credit is essential to retaining or obtaining Working Group Membership or Observer status. In order to use IMAT, you must have an IEEE Web Account for use during the session. See instructions at IEEE 802.16-09/0032. Attendance credit was offered to 802.16 members for participation in IEEE 802.18, 802.19, 802.21 and the Emergency Services Study Group.

#### Affiliation

Attendance software's "Affiliation" field is the appropriate Affiliation per [IEEE-SA affiliation disclosure requirements](#) and will be reported as such. Roger explained that entering "WG 802.16" as affiliation is invalid and no participation credit will be given in that case.

### Officer Election Ballot Distribution

The Chair asked for volunteers to distribute the paper ballots required for the officer election, scheduled later in the Opening Plenary. Ron Murias, Scott Probasco and Phil Barber volunteered. They proceeded to distribute ballots to the individuals on the list of Members and Potential Members, marking off the name of each member who picked up a ballot.

### Approvals

Roger Marks reviewed the agenda and asked for comments or concerns. No comments were received. The Opening Plenary Meeting Agenda was approved by unanimous consent as presented <<http://iee802.org/16/meetings/mtg66/opening.html>>.

Roger asked if there were any comments on the minutes of the previous session. None were received.

**Motion** (13:38 h): *"To approve the Minutes of Session #65 (IEEE 802.16-10/0014)."*

Moved by Jong-Kae Fwu, seconded by Lei Wang.

Motion approved by unanimous consent.

### Chair's Report

Roger Marks displayed the Chair's Report with Administrative, Procedural, and other Announcements (see Chair's Opening Plenary Presentation Slides (*IEEE 802.16-10/0004*)). Roger reviewed the IEEE-SA affiliation disclosure requirements <<http://standards.ieee.org/faqs/affiliationFAQ.html>> and again reminded the WG attendees to accurately complete the affiliation field. Roger reviewed the "Ethics policy" <[http://iee.org/web/membership/ethics/code\\_ethics.htm](http://iee.org/web/membership/ethics/code_ethics.htm)>.

The Chair displayed the patent policy materials <<http://standards.ieee.org/board/pat/pat-material.html>> and presented Slides 1-4 from <<http://standards.ieee.org/board/pat/pat-slideset.pdf>>. The chair presented an opportunity to provide responses. No comments were received. He then presented Slide 0. The Chair asked if there were any questions or if anyone wanted to speak up. An opportunity was provided for responses. No responses were provided or comments received. The Chair reminded the group that Letters of Assurance are available at the IEEE-SA web site.

Roger Marks instructed the Task Group chairs to repeat the patent policy rules in their groups per the details provided. A database of LoAs (Letters of Assurances) are available at the URL that was displayed. Roger instructed GRIDMAN Study Group attendees to remind SG Chair Mat Sherman to present the patent slides as applicable to a group operating without a PAR.

The Chair mentioned the IEEE 802 Rules. The Chair discussed activity in 802 to update Policies and Procedures, Operations Manual, and WG Procedures. Although based on previous rules, some changes have been introduced, and the most recent versions are not posted to the website. Roger explained issues of WG dominance. Concerns should be reported to the WG chair.

Roger Marks explained the role and responsibilities of the WG Chair.

Roger reviewed information on the new IEEE-SA Copyright Policy and Procedure <http://iee802.org/16/arc/802-16list2/msg05619.html>, which is effective as of 31 March 2010.

### WG Reports and Issues

#### Administrative, Procedural, and Announcements

See Chair's Opening Plenary Presentation Slides

**IEEE 802 LMSC News** (see Chair's Opening Plenary Presentation Slides)

Roger mentioned a new activity in 802.11 for an air interface below 1 GHz, and this week's Executive Committee (EC) Officer elections.

#### IEEE 802 Tutorials

The chair described the tutorials held on Monday evening.

#### Panel Session on Tuesday Evening

The chair mentioned the panel session to celebrate the thirty year anniversary of IEEE 802.

**IEEE 802 Architecture (Revision of IEEE Std 802-2001)**

Invitations to participate were issued. Phil Barber had previously agreed to participate and will attend the meeting this week.

**IEEE 802 - Smart Grid Issues**

The 802.11 WG Chair has organized a meeting on Thursday on the role of 802 in the Smart Grid Interoperability Panel. The 802.16 WG Chair expressed doubt on the value of simulations unless models are clearly defined, as well as concern regarding the resources required for simulations.

**IEEE 802 EC Study Group – Emergency Communications**

This group has submitted a PAR for consideration by the EC this week.

**IEEE 802 PARs Under Consideration**

Four PARs have been submitted to the EC for consideration this week:

- 1) 802.1AXbk amendment for Protocol addressing PAR and 5C
- 2) 802.16 amendment for Higher Reliability Networks PAR and 5C
- 3) 802.3bg amendment for Physical Layer and Management Parameters for Serial 40 Gb/s Ethernet Operation Over Single Mode Fiber PAR and 5C
- 4) 802.23 new standard for Emergency Services for Internet Protocol (IP) Based Citizen to Authority Communications PAR and 5C

Jose Puthenkulam was appointed to lead an ad-hoc group, meeting on Tuesday from 10:00-12:00, to prepare comments on all PARs, with a focus on the draft 802.23 PAR. The group was authorized to submit comments on behalf of the WG, due by 17:00 on Tuesday.

**Working Group Status Update** (see *IEEE 802.16-10/0020* [“IEEE 802.16 Report to LMSC of 15 March 2010”])

Roger presented a set of slides.

**Treasurer's Report**

Scott Migaldi presented the Treasurer's Report (*IEEE 802.16-10/0017*). Roger commented on a donation from the TDD Coalition and proposed to draft a letter of appreciation.

**Review of Session #65 Report**

Roger encouraged attendees to read the report <<http://iee802.org/16/meetings/mtg65/report.html>> as background for Session #66.

**Session #66 Document Guide** <<http://iee802.org/16/meetings/mtg66/docs.html>>**Schedule for the Week** <<http://dot16.org/cal/week.php?getdate=20100315>>

Roger presented the schedule for the week, including the celebratory panel session for the thirty year anniversary of IEEE 802. He noted that the IEEE 802 Opening Plenary, previously held on Mondays from 11:00-12:00, has been discontinued. In the future, the WG could consider using this time for meetings.

**Maintenance Task Group Report**

Jon Labs presented a report (*IEEE 802.16maint-10/0005*). The IEEE 802.16.2 reaffirmation sponsor ballot was successful and had been pre-submitted to RevCom. Discussion ensued on timeliness of including maintenance changes, as agreed in the Maintenance TG, in the content of the P802.16m draft. Since not maintenance project is open, this seems to be the quickest route to approval.

**License-Exempt Task Group Report**

Mariana Goldhamer presented the report (*IEEE 802.16h-10/0006*) and discussed the P802.16h/D14 draft in Sponsor Ballot. Meeting plans were outlined. Discussion ensued on the possibility asking the EC meeting of Friday afternoon to grant conditional approval to forward to RevCom. This would require a complete documentation package.

**TGm Report**

Brian Kiernan presented the report (*IEEE 802.16m-10/0006r2*) and discussed the results of WG Letter Ballot #31. Brian explained the TGm Schedule for the week (*IEEE 802.16m-10/0007*), breakouts (*IEEE 802.16m-10/0008*), etc. Meeting plans were to resolve the comments and authorize the editor to create a new draft. The Working Group Chair stressed the importance of a revision of the work plan to provide a realistic schedule with specific details regarding dates and milestones. He proposed a detailed schedule with all of

the key milestones (see IEEE C802.16m-10/0447). This proposal suggested an e-mail request to the 802 EC, after Session #67, for conditional approval to proceed to sponsor ballot. Further discussion ensued, but the detailed discussion was deferred to TGm.

#### **Project Planning Ad Hoc Committee**

Jose Puthenkulam presented a report (*IEEE 802.16-10/0022*) and plans for the week. Roger recommended a focus on the details of project planning and pointed out the difference between a “Project” and a “Task Group,” noting that 1:1 correspondance is not required. Discussion ensued on the organization and output needed.

#### **GRIDMAN Study Group**

Matthew Sherman presented a report (*IEEE 802.16gman-10/0015r2*) and discussed the meeting plans. Discussion ensued on the draft PAR and intent of the group.

#### **Liaison**

##### **ITU Liaison Group**

Reza Arefi presented a report (*IEEE L802.16-10/0030*)

**Motion** (16:03 h): *“To authorize the ITU-R Liaison Group to draft documents regarding contributions as needed, tentatively approve them on behalf of the WG (subject to confirmation at the 802.16 Closing Plenary), submit them for 802.18 TAG review, and represent the WG with the 802.18 TAG.”*

Moved by Reza Arefi, seconded by Mariana Goldhamer

Motion approved by unanimous consent.

##### **Liaison Statements to review**

Reza presented a liaison from TTA (*IEEE L802.16-10/0031*).

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

Mariana Goldhamer presented a report (*IEEE L802.16-10/0029*).

##### **CCSA/IEEE-SA MoU Discussion**

Roger Marks reported on a draft Memorandum of Understanding between IEEE and CCSA of China, addressing topics of common interest related to 802.11 and 802.16. Discussion ensued on the intent of the MoU.

#### **Session #66 Report**

##### **Future Sessions**

Session #67: 10-13 May 2010: in Bangalore, India, hosted by CEWiT. Member Host: J. Klutto Milleth.

Session #68 (Plenary): 12-15 July 2010 in San Diego, California, USA with IEEE 802 Plenary Session

(tentative) Session #68.5: Special Interim in August under consideration

Session #69: 13-16 September 2010 in St. Petersburg, Russia, hosted by Yota and by Intel Russia. Member Host: Alexander Maltsev.

Session #70 (Plenary): 8-11 Nov 2010 in Dallas, Texas, USA with IEEE 802 Plenary Session

Session #71 (Interim): Jan 2011: Interim Session; site to be determined at Closing Plenary of Session #66

Proposals solicited for the closing plenary. Please see IEEE 802.16 Interim Session Guidelines.

Session #72 (Plenary): 14-17 March 2011 in Singapore with IEEE 802 Plenary Session

Session #73 (Interim): May 2011 (target: 9-12 May): Interim Session; site to be determined at Closing Plenary of Session #68  
Proposals solicited; please see IEEE 802.16 Interim Session Guidelines. Ron Murias proposed to consider Banff, Canada at this session because he has investigated an opportunity that requires a decision prior to Session #67. Discussion ensued. There was no objection to Ron making a proposal for a definitive decision at the Closing Plenary.

Session #74 (Plenary): 18-21 July 2011 in San Francisco, California, USA with IEEE 802 Plenary Session

Session #75 (Interim): 19-22 September 2011: Interim Session; site to be determined by Session #70  
Proposals solicited; please see IEEE 802.16 Interim Session Guidelines.

Session #76 (Plenary): 7-10 Nov 2011 in Atlanta, Georgia, USA with IEEE 802 Plenary Session

#### **Officer Elections (16:44)**

The WG Chair explained that elections are required in order to fill the two-year terms for WG Chair and WG Vice Chair, beginning at the end of this IEEE 802 Plenary Session. He presented the IEEE 802.16 Working Group Officer Election Process <[http://iee802.org/16/docs/10/80216-10\\_0012.pdf](http://iee802.org/16/docs/10/80216-10_0012.pdf)>. Working Group Officer Election Ballots <[http://iee802.org/16/docs/10/80216-10\\_0019.pdf](http://iee802.org/16/docs/10/80216-10_0019.pdf)> included all of the previously nominated candidates – one each for the two offices. The process allows write-in candidates.

#### **Election of Chair**

Jose Puthenkulam assumed the Chair's role, introduced the candidate Roger Marks, and asked for nominations from the floor. None were made. Then he invited Roger Marks to make a statement. Marks described his past role and his intent for the future. He left the room during discussion of the candidate.

#### **Election of Vice Chair**

Roger Marks resumed the Chair's role, introduced the candidate Jose Puthenkulam, and asked for nominations from the floor. None were received. Puthenkulam presented his candidate statement and thanked the group for the opportunity. He left the room during discussion of the candidate.

The meeting was inactive, beginning at 17:01, to complete ballot distribution and to count the votes.

#### **Election Results (17:20)**

The volunteers who handed out the ballots (Ron Murias, Scott Probasco and Phil Barber) volunteered to count the ballots, in plain view of the meeting.

Chair results: 106 in favor of Roger Marks. One write-in. Result: Roger Marks was elected as Chair.

Vice Chair results: 88 in favor of Jose Puthenkulam. 18 write-in. Result: Jose Puthenkulam elected as Vice Chair.

#### **New Business**

Kiran Kuchi presented a view on the importance of completing P802.16m in 2010 (*IEEE C802.16/10/0021* ["Indian Operators' view on 802.16m completion schedule"]).

#### **Closing**

Herbert Ruck announced that he was resigning from the position of IEEE 802.16 WG Secretary, effective as of the end of Session #66. The Working Group Chair thanked him for outstanding service over the past year, and the Working Group recognized him with enthusiastic applause.

**Motion (17:24):** *"To adjourn the Opening Plenary"*

Moved by Brian Kiernan, seconded by Ron Murias

Motion approved by unanimous consent.

## IEEE 802.16 Session #66 Closing Plenary Meeting

Thursday, 18 March 2010, 19:30-23:54

### Call to Order

Roger Marks, Chair of the 802.16 WG, called the meeting to order at 19:30 hours local time. He welcomed the attendees and reviewed the draft Closing Plenary agenda <<http://ieee802.org/16/meetings/mtg66/closing.html>>.

### Patent Policy Reminder

The Chair mentioned the patent policy and asked if anyone needs to have a review of the details. No request was made, and the meeting proceeded.

Agenda was rearranged by merging the EC issues with the PAR comments. No further comments were received.

**Motion** (19:35 h): *“To approve the agenda as presented.”*

Motion approved by unanimous consent.

### WG Issues

Roger Marks reported that, because Herbert Ruck had tendered his resignation as WG Secretary, the position was coming open as the end of Session #66. He then announced that he was pleased to be able to designate Scott Probasco as the WG Secretary, beginning at the end of Session #66. The Working Group Members indicated strong support for this choice.

### Maintenance Task Group

Jon Labs presented a report (*IEEE 802.16maint-10/0008*).

**Motion** (19:47): *“To forward L802.16-10/0035 as the proposed Liaison statement to the WiMAX TWG in response to L802.16-10/0034 and authorize the WG Chair to make any necessary editorial modifications.”*

Moved by Jon Labs, seconded by Lei Wang

Approve: 52. Disapprove: 0. Abstain: 0. Motion carried.

### TGm

Brian Kiernan presented a report (*IEEE 802.16m-10/0009*).

**Motion** (19:57): *“Request that the WG initiate a WG LB #31 a recirculation on P802.16m/D5, based on P802.16m/D4 as modified by the comment resolutions contained in 802.16-10/0018r4, to close by 4/30/2010.”*

Moved by Brian Kiernan, seconded by Lei Wang.

Motion approved by unanimous consent.

Discussion ensued on when to request conditional approval for sponsor ballot. Roger Marks read the 802 rules for conditional approval requests. IEEE 802 Chair Paul Nikolich commented that it the EC can address special circumstances and the group should trust Roger to deal with the dynamics as they evolve over time.

**Motion** (20:32): *“To authorize the 802.16 WG Chair to request the IEEE 802 EC Chair to schedule a ten-day EC letter ballot, following IEEE 802.16 Session # 67 (10-13 May 2010) for conditional approval to forward P802.16m for Sponsor Ballot.”*

Moved by Rakesh Taori, seconded by Jong-Kae Fwu.

Approve: 58. Disapprove: 0. Abstain: 1. Motion carried.

### License-Exempt Task Group

Mariana Goldhamer presented a report (*IEEE 802.16h-10/0008*).

**Motion** (20:44): *“To authorize the LE TG Editor to create the WG draft IEEE P802.16h/D15 based on IEEE P802.16h/D14 and the comment resolutions recorded in data-base IEEE 802.16-10/0016r1 and to initiate a Sponsor Recirculation Ballot.”*

Moved by Mariana Goldhamer, seconded by Ron Murias.

Motion approved by unanimous consent.

**Motion (20:46):** *“To authorize the IEEE 802.16 WG Chair to request Conditional Approval from the IEEE 802 Executive Committee, based on the Report in doc. IEEE 802.16-10/0026 (as updated by the WG Chair based on documentation) and to forward the IEEE P802.16h Draft to RevCom”*

Moved by Mariana Goldhamer, seconded by Naftali Chayat.

Approve: 51. Disapprove: 0. Abstain: 1. Motion carried.

**Motion (20:49):** *“To establish a Comment Resolution Committee, consisting of:*

- Mariana Goldhamer,
- Harry Bims,
- Amir Ghasemi,
- Dan Gal and
- Roger Marks

*and authorize it to resolve any comments on P802.16h/D15 Recirculation, generate and re-circulate P802.16h/D16 if needed.”*

Moved by Mariana Goldhamer, seconded by Amir Ghasemi.

Motion approved by unanimous consent.

### **WG Project Planning Ad Hoc**

Jose Puthenkulam presented a report (*IEEE 802.16-10/0027r1*). Discussion ensued on various items. The WG Chair noted that he would elevate the status of the Ad Hoc to a standing IEEE 802.16 Project Planning Committee. He would institute a separate documentation series and document upload area.

### **GRIDMAN Study Group**

Matthew Sherman presented a report (*IEEE 802.16gman-10/0021r1*) and presented a draft PAR (*IEEE 802.16gman-10/0018r1*).

**Motion (21:45):** *“To move the sentence about spectrum to the explanatory note.”*

Moved by Upkar Dhaliwal, seconded by Mariana Goldhamer

Approve: 17. Disapprove: 5. Abstain: 0. Motion carried.

**Motion (21:51):** *“To forward the PAR (IEEE 802.16gman-10/0018r1) to the EC for consideration. With “Operation in licensed, unlicensed and lightly licensed spectrum bands below 6GHz with means and mechanisms to coexist with other radio access technologies (RATs) is supported.” moved from section 5.2 to 8.1.”*

Moved by Mat Sherman, seconded by Eldad Zeira

Approve: 22. Disapprove: 1. Abstain: 4. Motion carried.

**Motion (21:56):** *“To request extension of the IEEE 802.16 GRIDMAN SG till July 2010.”*

Moved by M. Sherman, seconded by Eldad Zeira

Approve: 21. Disapprove: 0. Abstain: 0. Motion carried.

### **Liaison**

#### **ITU-R Liaison Group**

Reza Arefi presented the report (*IEEE L802.16-10/0043r1*).

**Motion (22:07):** *“To approve the following documents and authorize the WG Chair to forward them to their respective recipients subject to any editorial corrections including additions to the cc list.*

- *IEEE L802.16-10/0036 – Agenda for 2nd IEEE 802.16 IMT-Advanced Evaluation Group Coordination Meeting*
- *IEEE L802.16-10/0037 – Invitation to 2nd IEEE 802.16 IMT-Advanced Evaluation Group Coordination Meeting*
- *IEEE L802.16-10/0038r2 – Schedule for future activities in IMT-Advanced standardization;*
- *IEEE L802.16-10/0040 – Schedule for future activities in IMT-Advanced standardization;*
- *IEEE L802.16-10/0042r1 – IMT-2000 OFDMA TDD WMAN Submission toward Revision 10 of Recommendation ITU-R M.1457)*
- *IEEE L802.16-10/0044 – Evaluation of IEEE IMT-Advanced Candidate Proposal (letter to WINNER+)*
- *IEEE L802.16-10/0045 – Availability of P802.16/D5 (letter to three IMT-Advanced Evaluation Groups)”*

Moved by Reza Arefi, seconded by Ron Murias.



Approve: 19. Disapprove: 0. Abstain: 0. Motion carried.

**Motion (22:12)** : *“To approve the following documents and authorize the WG Chair to forward it for appropriate 802 approval subject to any editorial corrections.*

- *IEEE L802.16-10/0032 – IMT-2000 OFDMA TDD WMAN SUBMISSION TOWARD REVISION 10 OF RECOMMENDATION ITU-R M.1457 (MEETING X+2).*
- *IEEE L802.16-10/0033r1 – ON ROADMAP FOR UPDATES OF RECOMMENDATION ITU-R M.1457*
- *IEEE L802.16-10/0039 – Naming of IEEE’s IMT-Advanced Proposal*

Moved by Reza Arefi, seconded by Herbert Ruck

Approve: 19. Disapprove: 0. Abstain: 0. Motion carried.

**Motion (22:13)** : *“To approve the following document and authorize the ITU LG Chair to present it at APT Workshop on Future Wireless Systems (29 March 2010) subject to any editorial corrections.*

- *IEEE L802.16-10/0040 – Standardization Activities in IEEE Related to IMT-Advanced and Next Generation Wireless Systems.*

Moved by Reza Arefi, seconded by Jaeweon Cho

Motion approved by unanimous consent.

### 802.21 Report

Roger Marks introduced Subir Das, who had been elected this week as the new Chair of the IEEE 802.21 Working Group. He presented a report on current projects within 802.21. Roger also introduced Junghoon Jee, the chair of 802.21c Single Radio Handover Task Group, who discussed that TG’s call for proposals for higher layer radio mobility. The 802.16 WG Chair thanked both for attending the meeting. The parties agreed that, with co-located interim sessions planned on an ongoing basis, the opportunities for close collaboration are strong.

### Future Sessions

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

Session #67: 10-13 May 2010 in Bangalore, India, hosted by CEWiT. Member Host: J. Klutto Milleth.

Klutto presented comprehensive logistical information for the session. The web site should be running soon.

Session #68 (Plenary): 12-15 July 2010 in San Diego, California, USA with IEEE 802 Plenary Session.

Session #68.5 (Special Interim): 16-19 August 2010. The WG Chair indicated that, in accordance with the workplan newly adopted by TGM <[http://ieee802.org/16/tgm/core.html#10\\_0010](http://ieee802.org/16/tgm/core.html#10_0010)>, a Special Interim is now anticipated for August. The schedule would require this session to be held 16-19 August. The WG Chair proposed to schedule it for Calgary, Canada. The members were positive about this proposal. The Chair will proceed to make arrangements for the session, understanding that it is tentative until finalized during Session #67.

Session #69: 13-16 September 2010 in St. Petersburg, Russia, hosted by Yota and by Intel Russia. Member Host: Alexander Maltsev.

Session #70 (Plenary): 8-11 Nov 2010 in Dallas, Texas, USA with IEEE 802 Plenary Session.

Session #71 (Interim): Jan 2011: Interim Session; site to be determined per IEEE 802.16 Interim Session Guidelines.

Ching-Tarn Hsieh proposed for ITRI to host Session #71 on 10-13 January 2011 in Taipei.

Motion (22:50): *“To accept the proposal in documents C802.16-10/0028 and C802.16-10/0013”*

Moved by Phil Barber, seconded by Ron Murias.

Motion approved by unanimous consent.

Session #72 (Plenary): 14-17 March 2011 in Singapore with IEEE 802 Plenary Session.

Session #73 (Interim): May 2011: Interim Session; possible approval of proposal for Banff, Canada.

Ron Murias presented a proposal to host Session #73 on 16-19 May 2011 in Banff, Canada. Discussion ensued.

**Motion** (23:15): *“To accept the proposal in documents C802.16-10/0017 and S802.16-10/0017”*

Moved by Shawn Taylor, seconded by Lei Wang.

Motion approved by unanimous consent.

Session #74 (Plenary): 18-21 July 2011 in San Francisco, California, USA with IEEE 802 Plenary Session.

Session #75 (Interim): 19-22 September 2011, Interim Session; site to be determined no later than Session #70

Proposals solicited; please see IEEE 802.16 Interim Session Guidelines.

Session #76 (Plenary): 7-10 Nov 2011 in Atlanta, Georgia, USA with IEEE 802 Plenary Session.

### **Publicity**

Roger Marks will prepare the Session #66 Report.

### **EC Issues**

Geoff Thompson, Chair of the EC Emergency Services Study Group, reviewed the “Comments from 802.16 WG on Draft Emergency Services PAR” (IEEE 802.16-10/0023) and the SG responses (IEEE 802.16-10/0029). He presented the modified scope of the draft PAR. The WG Chair thanked him for his attendance and participation at the meeting, particularly given the late hour.

### **EC Motions and other EC Business**

Roger reviewed the EC motions <<http://iee802.org/16/meetings/mtg66/lmsc>>.

### **Editor's Meeting:**

Space was allocated for Friday from 8:00-12:00 hours in room Boca 6.

### **New Business**

None

### **Closing**

**Motion** (23:54 h): *“To adjourn.”*

Moved by Phil Barber, seconded by Ron Murias.

Motion approved by unanimous consent.

## Registration List: IEEE 802.16 Session #66

Updated 2010-04-22 (MT)

209 attendees registered and/or in the attendance logs, including at least 177 with "participation" credit

Participation Credit	Name\Family	Name \Given	<u>Affiliation</u> *	City	State\Province	Country/Admin
Yes	Agiwal	Anil	Samsung Electronics	Bangalore		India
Yes	Ahmadi	Sassan	Intel Corporation	Hillsboro	OR	USA
Yes	Ahmed	Hanan	Huawei Technologies Co., Ltd.			
No++	Ahn	Tae Hee	WG802.16			
Yes	Al-Kanani	Hassan	NEC	London		UK
Yes	Andelman	Dov	Intel Corporation	Tel Aviv	-	Israel
Yes	Arefi	Reza	Intel Corporation	Hillsboro	OR	USA
Yes	Arrington	Arthur	Air Network Solutions			
Yes	Baek	Youngkyo	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Bahng	Seungjae	ETRI	Daejeon	Chungcheongnam-do	Korea
Yes	Barber	Phillip	Huawei Technologies Co., Ltd.	Plano	TX	USA
Yes	Bergman	Aran	Intel Corporation	Petach-Tikva		Israel
Yes	Biton	Erez	Alvarion Ltd.	Tel-Aviv	Israel	Israel
Yes	Bratspiess	Inbar	Sequans Communications SA			
No	Cai	Sean	ZTE Corporation	San Diego	CA	USA
Yes	Cain	Peter	Agilent Technologies, Inc.	Edinburgh		Scotland
Yes	Cha	Jaesun	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea

Yes	Chang	Kim	Huawei Technologies Co., Ltd.			
Yes	Chang	Sung-Cheol	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea
Yes	Chang	YoungBin	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Chang	Yu-Hao	MediaTek Inc.	Hsinchu		Taiwan
Yes	Chayat	Naftali	Alvarion Ltd.	Tel Aviv		Israel
Yes	Chen	Bin	Huawei Technologies Co., Ltd.			
Yes	Chen	Chungpao	ITRI			
Yes	Chen	Whai-En	National Ilan University	I-Lan	Taiwan	Taiwan
Yes	Chen	Yih-Shen	MediaTek Inc.	Hsinchu		Taiwan
Yes	Chen	Yung-Han	ITRI	Chutung, Hsinchu		Taiwan
Yes	Chen	Yuqin	ZTE Corporation	Shenzhen	Guangdong	China
Yes	Cheng	Shih-Yuan	National Ilan University	I-Lan		Taiwan
Yes	Chien	Chun-Che	Institute for Information Industry	Taipei	Taipei	TW
Yes	Cho	Heejeong	802.16	kyungki-do	kyungki-do	Korea
Yes	Cho	Jaeweon	Samsung Electronics	Suwon	Gyeonggi	Korea
Yes	Cho	Youngbo	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Yes	Choi	Hokyu	Samsung Electronics	Sungnam-Shi	Gyeonggi-do	Korea
No	Choi	Jinsoo	LG ELECTRONICS			Korea
Yes	Choi	Joonyoung	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Choi	Yang-Seok	Intel Corporation	Hillsboro	OR	USA
Yes	Choi	Yong Seouk	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea
Yes	Chou	Chao-Chin	MediaTek Inc.	Hsinchu		Taiwan
No	Chou	Joey	Intel Corporation	Chandler	AZ	USA
Yes	Cohn	Daniel	Alvarion Ltd.	Tel Aviv		Israel

Yes	Crowley	Steven	NTT DoCoMo, Inc.			USA
Yes	Cudak	Mark	Motorola, Inc.	Arlington Heights, IL 60004	IL	USA
No	Davydov	Alexey	Intel Corporation	Nizhny Novgorod		Russia
No	Dhaliwal	Upkar	Future Wireless Technologies	San Diego	CA	USA
Yes	Fan	Linghang	NEC	London		UK
Yes	Fang	Huiying	ZTE Corporation	Shenzhen	Guangdong	China
Yes	Fu	I-Kang	MediaTek Inc.	Hsinchu		Taiwan
Yes	Fukui	Kiyoshi	Oki Electric Industry Co., Ltd.	Osaka	Osaka	JP
Yes	Fwu	Jong-Kae (JK)	Intel Corporation	Santa Clara	CA	USA
Yes	Gal	Dan	Alcatel-Lucent	Morris Plains	NJ	USA
No	Ghamri-Doudane	Mohamed	ensiie	Evry	Essonne	France
No	Ghasemi	Amir	Communications Research Centre, Canada	Ottawa	Ontario	Canada
Yes	Godfrey	Tim	EPRI			
Yes	Goldhamer	Mariana	Alvarion Ltd.	Ramat Gan	Israel	Israel
Yes	Gundlach	Michael	Nokia Siemens Networks	Munich		Germany
No	Gupta	Vivek	Intel Corporation			USA
No	han	shuangfeng	Samsung Electronics	suwon	gyongki	KR
Yes	Hillery	William	Motorola, Inc.	Arlington Heights	IL	USA
Yes	Himayat	Nageen	Intel Corporation	Santa Clara	CA	USA
Yes	Hsiao	Ying-Chuan	Industrial Technology Research Institute	Chutung, Hsinchu	Taiwan	Taiwan
Yes	Hsieh	Ching-Tarng	Industrial Technology Research Institute	Hsinchu		Taiwan
Yes	Hsieh	Yu-Tao	ITRI	Hsinchu		Taiwan
Yes	Hsu	Chun-Yen	Institute for Information Industry	Taipei	NIL	Taiwan

Yes	Hsuan	Yi	Intel Corporation	Santa Clara	CA	USA
No++	Huang	ru	WG802.16			
Yes	Hui	Jie	Intel Corporation	Hillsboro	OR	USA
No	Hwang	Jae Ho	WITLAB			
Yes	Ihm	Bin-Chul	LG ELECTRONICS	Anyang	Kyeonggi-do	Korea
Yes	Imata	Satoshi	KDDI R&D Laboratories Inc.			Japan
Yes	Jan	Yih Guang	TKU	Taipei		Taiwan
Yes	Jang	Jaehyuk	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Yes	Jee	Junghoon	Electronics and Telecommunications Research Institute (ETRI)	Daejon	Chungcheongnam- do	Korea
Yes	Johnsson	Kerstin	Intel	Santa Clara	CA	USA
Yes	Josiam	Kaushik	Samsung Electronics	Richardson	Texas	USA
Yes	Jung	Inuk	LG ELECTRONICS	Anyang	Gyongkido	Korea
Yes	Jung	Soojung	Electronics and Telecommunications Research Institute (ETRI)			Korea
Yes	Kang	Heewon	Samsung Electronics			Korea
Yes	Kang	Hyunjeong	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Kang	Jiwon	LG ELECTRONICS	Anyang	Kyungki	KR
Yes	Kanzaki	Hajime	Hitachi Ltd.	Kokubunji- shi	Tokyo	Japan
Yes	Kapadia	Prateek	IIT Bombay			
No	Karandikar	Abhay	IIT Bombay			
Yes	Khojastepour	Mohammad	NEC laboratories America	Princeton	NJ	USA
No	Khoryaev	Alexey	Intel Corporation	Nizhny Novgorod		Russia
Yes	Kiernan	Brian	InterDigital Communications, LLC	King of Prussia	PA	USA
Yes	Kim	Eunkyung	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Daejeon	Korea
Yes	Kim	Hokyung	Samsung Electronics			

Yes	Kim	Jeongki	LG ELECTRONICS	Anyang-Shi	Gyeonggi-do	Korea
Yes	Kim	Kanghee	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Chungcheongnam-do	Korea
Yes	Kim	Ronny (Yong-Ho)	LG ELECTRONICS	Anyang-shi	Gyeonggi-do	Korea
Yes	Kim	Sangheon	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Kim	Taeyoung	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Kim	Youn-Kwan	Cheil Technologies			
Yes	Klutto Milleth	J.	CEWiT	Chennai	Tamilnadu	India
No	Kuchi	Kiran Kumar	CEWiT	Chennai	Jeollanam-do	India
No	Kuffner	Stephen	Motorola, Inc.			
Yes	Kuo	Ping-Heng	ITRI			
Yes	Kwak	Jin-Sam	LG ELECTRONICS	Anyang	Gyeonggi-do	Korea
Yes	Kwon	Dong Seung	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Chungcheongnam-do	Korea
Yes	Kwon	Yeong-Hyeon	LG ELECTRONICS	Anyang-si	Gyeonggi-do	Korea
Yes	Labs	Jonathan	Wavesat, Inc.	Dorval	PQ	Canada
Yes	Lee	Eunjong	LG ELECTRONICS	Anyang	Gyeonggi-do	Korea
Yes	Lee	Hoon	Electronics and Telecommunications Research Institute (ETRI)			
Yes	Lee	Mi Hyun	Samsung Electronics	suwon-si	Gyeonggi-do	Korea
No	Lee	Wookbong				Korea
Yes	Lee	Yang-Han	TKU	Taipei	Taipei	Taiwan
Yes	Lee	Youn-Tai	Institute for Information Industry	Taipei	Taiwan	Taiwan
Yes	Li	Ying	Samsung Electronics	Richardson	TX	USA
Yes	Liao	Pei-Kai	MediaTek Inc.			Taiwan
Yes	Lim	Chiwoo	Samsung Electronics	Suwon	Gyeonggi-do	Korea
Yes	Lin	Chih-Yuan	MediaTek Inc.	Hsinchu		Taiwan

Yes	Lin	Hsin-Piao	National Taipei University of Technology	Taipei		Taiwan
Yes	Lin	Jia	Huawei Technologies Co., Ltd.	Shenzhen	GuangDong	China
Yes	Lin	Yi-Ting	Institute for Information Industry	Taipei		Taiwan
No	Liu	Chunmei	Clearwire Corporation	Hillsboro	OR	USA
Yes	Liu	Hang	Thomson, Inc.	Yardley	PA	USA
No	Liu	Yang	ZTE Corporation	Shenzhen	Guangdong	China
Yes	Lv	Kaiying	ZTE Corporation	xi'an	shannxi	China
Yes	Madihian	Mohammad	MEDIWAVE LLC		NJ	USA
Yes	Maeder	Andreas	NEC Corporation	Heidelberg	DE	Germany
Yes	Maltsev	Alexander	Intel Corporation			
Yes	Mao	Ronald	Huawei Technologies Co., Ltd.	San Diego	CA	USA
Yes	Marks	Roger	WiMAX Forum	Denver	CO	USA
Yes	McGinniss	David	Clearwire Corporation	Aurora	IL	USA
Yes	Meddour	Djamal-Eddine	France Telecom	Lannion		France
Yes	Migaldi	Scott	Motorola, Inc.	Schaumburg	IL	USA
Yes	Mo	Junxian	Huawei Technologies Co., Ltd.			
Yes	Mohanty	Shantidev	Intel Corporation			USA
Yes	Murias	Ronald	InterDigital Communications, LLC	Calgary	AB	Canada
Yes	Nigam	Anshuman	Samsung Electronics	Bangalore		India
Yes	Niu	Huaning	Intel Corporation	Santa clara	CA	USA
Yes	Okuda	Masato	FUJITSU	Kawasaki	Kanagawa	Japan
Yes	Olfat	Masoud	Clearwire Corporation	Great Falls	VA	USA
Yes	Oyman	Ozgur	Intel Corporation	Santa Clara	CA	USA
Yes	Park	Giwon	LG ELECTRONICS	Anyang-Shi	Gyeonggi-do	Korea



Yes	Park	Jeongho	Samsung Electronics	Suwon	Gyeonggi-Do	Korea
Yes	Park	Jisoo	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	-	Korea
Yes	Park	Jungshin	Samsung Electronics			
Yes	Pathmasuntharam	Jaya Shankar	Institute for Infocomm Research	Singapore		Singapore
Yes	Pi	Zhouyue	Samsung Electronics	Richardson	TX	USA
No	Pirhonen	Riku	Nokia Corporation	Irving	TX	USA
Yes	Porat	Ron	InterDigital Communications, LLC	san diego	ca	USA
Yes	Probasco	Scott	Nokia	Irving	TX	USA
Yes	Puthenkulam	Jose	Intel Corporation	Hillsboro	OR	USA
Yes	Ramakrishna	Sudhir	Samsung Electronics	Richardson	TX	USA
No	Reddy	Ranga	US Army			USA
Yes	Rodine	Craig	EPRI (Electric Power Research Institute)			
Yes	Roh	Wonil	Samsung Electronics	Suwon-city	Gyeonggi-do	Korea
Yes	Rubin	Amir	Intel Corporation			
No	Ruck	Herbert	Cisco Systems, Inc.	Richardson	TX	USA
Yes	Sarkas	Harry	Landis+Gyr	Alpharetta	GA	USA
Yes	Sarperi	Luciano	FUJITSU	Hayes		UK
Yes	Sayeedi	Shahab	Motorola, Inc.	Arlington Heights	IL	USA
Yes	Schumacher	Joseph	Motorola, Inc.	Arlington Heights	IL	USA
Yes	Seol	Ji-Yun	Samsung Electronics	SeongNam-si	Gyeonggi-do	Korea
No	Shekalim	Peretz	Runcom Technologies LTD.	Rishon Lezion	Rishon Lezion	Israel
Yes	Sherman	Matthew	BAE Systems	Wayne	NJ	USA
Yes	Shim	Jaejeong (Brian)	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea

Yes	Shin	Wooram	Electronics and Telecommunications Research Institute (ETRI)	Daejeon	Chungcheongnam-do	Korea
Yes	Shono	Takashi	Intel Corporation	Tokyo	Tokyo	Japan
No++	Simkins	James	WG802.16			USA
No	Skeba	Kirk	Intel Corporation			
Yes	Son	Jung Je	Samsung Electronics	Seoul	Gyeonggi-do	Korea
Yes	Son	Yeongmoon	Samsung Electronics	Suwon-city	Kyeonggi-do	Korea
Yes	Srinivasan	Roshni	Intel Corporation	Santa Clara	CA	USA
Yes	Sun	Bo	ZTE Corporation			China
Yes	Talukdar	Anup	Motorola, Inc.			USA
Yes	Talwar	Shilpa	Intel Corporation	Santa Clara	CA	USA
Yes	Tao	Ming-Hung	Industrial Technology Research Institute	HsinChu		Taiwan
No	Taori	Rakesh	Samsung Electronics	Suwon	Gyeonggi-do	South Korea
Yes	Taylor	Shawn	Huawei Technologies Co., Ltd.	Calgary	AB	Canada
Yes	Tcha	Yongjoo	KT Corp.	Seoul		Korea
No	Tonnerre	Arnaud	Thales Group	Colombes		France
Yes	Tsai	Chang-Lan	ITRI	Hsinchu	Taiwan	Taiwan
Yes	Tsai	Chia-Lung	ITRI	Hsinchu		Taiwan
Yes	Tsai	Jiann-An	Samsung Electronics	Richardson	TX	USA
Yes	Tseng	Hsien-Wei	TKU	Taipei		Taiwan
Yes	Tzavidas	Stavros	Motorola, Inc.	Arlington Heights	Illinois	USA
Yes	Vannithamby	Rath	Intel Corporation	Hillsboro	OR	USA
Yes	Venkatachalam	Muthaiah	Intel Corporation	Beaverton	OR	USA
A++	Vlajnic	Milan	wg802.16			
Yes	Vook	Frederick	Motorola, Inc.	Schaumburg	IL	USA
Yes	Wang	Hai	Samsung Electronics	Beijing		China
No	Wang	Haiguang	Institute for Infocomm Research			Singapore

Yes	Wang	Lei	InterDigital Communications, LLC	San Diego	CA	USA
Yes	Wang	Limei	Huawei Technologies Co., Ltd.			
Yes	Wang	Shao-Cheng	Intel Corporation	hillsboro	or	US
Yes	Wang	Xinrong	Intel Corporation			
Yes	Wang	Yanhong	Huawei Technologies Co., Ltd.	San Diego	CA	USA
No	Ward	Lisa	Rohde & Schwarz	Portland	OR	USA
A++	Webster	Mark	WG802.16			
Yes	weizman	yaniv	Alvarion Ltd.	Tel Aviv		Israel
Yes	Won	Jonghyun	Samsung Electronics			
Yes	Xie	Feng	ZTE Corporation			
Yes	Yang	Rongzhen	Intel Corporation	Shanghai	Shanghai	China
Yes	Yang	Xiangying	Intel Corporation	Hillsboro	OR	USA
No	Yaniv	Ran	Alvarion Ltd.	Tel Aviv		Israel
Yes	Yanover	Vladimir	Alvarion Ltd.	Tel-Aviv	N/A	Israel
Yes	Yeo	Kunmin	Electronics and Telecommunications Research Institute (ETRI)	Daejeon		Korea
Yes	Yoshii	Isamu	Panasonic Corporation	Yokosuka	Kanagawa	Japan
Yes	Yu	Hyunkyu	Samsung Electronics	Suwon-si	Gyeonggi-do	Korea
Yes	Zein	Nader	NEC Corporation	London		UK
Yes	Zeira	Eldad	InterDigital Communications, LLC	Melville	NY	USA
Yes	Zhang	Lei	ZTE Corporation	Shenzhen		China
Yes	Zhang	Yujian	Intel Corporation	Beijing		China
Yes	Zheng	Yan-Xiu	ITRI International Inc.			Taiwan
Yes	Zhou	Lei	Samsung Electronics	Beijing		China
Yes	Zhu	Yuan	Intel Corporation	Beijing		China

\* **Affiliation** per the "Affiliation" field on the attendance log form, or subsequent update. "Affiliation" is defined

according to the [IEEE-SA affiliation disclosure requirements](#). Note in particular:

*11. What if I refuse to disclose my affiliation?*

*As outlined in IEEE-SA governance documents, you will lose certain rights. In a working group where voting rights are gained through attendance, no attendance credit will be granted if affiliation isn't declared.*

*Similarly, voting rights are to be removed if affiliation isn't declared.*

+Invalid affiliation disclosure. Accordingly, no participation credit granted.

++Invalid affiliation disclosure, and attendance requirement unmet.

Participation Credit field is tentative, depending on affiliation disclosure, attendance confirmation, etc.

---

Return to [IEEE 802.16 Session #66 Page](#)

# The IEEE 802.16 Working Group on Broadband Wireless Access Standards

## IEEE 802.16 Members

Updated: 2010-04-22 to account for [Session #66](#).

Number of members: 303

Next scheduled update: following [Session #68](#)

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
Abdallah	Mohamed	cairo university	Giza		Egypt
Agarwal	Rajni	FUJITSU	Hayes	Middlesex	UK
Agiwal	Anil	Samsung Electronics	Bangalore		India
Ahmadi	Sassan	Intel Corporation	Hillsboro	OR	USA
Al-Kanani	Hassan	NEC	London		UK
Ambroise	Xavier	EADS	ELANCOURT		France
Andelman	Dov	Intel Corporation	Tel Aviv	-	Israel
Arefi	Reza	Intel Corporation	Hillsboro	OR	USA
Arrington	Arthur	Air Network Solutions			
Baek	Youngkyo	Samsung Electronics	Suwon	Gyeonggi-do	Korea