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| 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 #41</b>   |   |
| Date Submitted               | <b>2006-02-06</b>   |   |
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| Re:                          | IEEE 802.16 Session #41 Minutes (New Delhi, India)  |   |
| Abstract                     |   |   |
| Purpose                      | To record minutes of the IEEE 802.16 Working Group Opening and Closing Plenary meetings at Session #41  |   |
| Notice                       | This document has been prepared to assist IEEE 802.16. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.  |   |
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| Patent Policy and Procedures | The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures < <a href="http://ieee802.org/16/ipr/patents/policy.html">http://ieee802.org/16/ipr/patents/policy.html</a> >, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair < <a href="mailto:chair@wirelessman.org">mailto:chair@wirelessman.org</a> > as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.16 Working Group. The Chair will disclose this notification via the IEEE 802.16 web site < <a href="http://ieee802.org/16/ipr/patents/notices">http://ieee802.org/16/ipr/patents/notices</a> >. |   |

## Minutes of IEEE 802.16 Session #41

*IEEE 802.16 Working Group*

*New Delhi, India*

*9-12 January 2006*

### IEEE 802.16 Session #41 Opening Plenary

Monday, 9 January 2006

#### Call to Order

Working Group Chair Roger Marks called the meeting to order at 2:45pm, welcoming the attendees to India and thanking the host company, Beceem Communications. The Working Group Officers were introduced, namely Roger Marks (Chair) and Ken Stanwood (Vice Chair). Andy Sago served as Acting Secretary, in the absence of Dean Chang.

The slides presented by the Chair to guide the meeting during the Opening Plenary are available in document IEEE 802.16-06/002.

Host Aditya Agrawal welcomed attendees and took the meeting through logistical and network information.

Server access was provided on the local LAN. Attendees were asked to post all new files during the meeting to the local server.

#### Membership and Voting

Attendees were invited to access the membership page on the server, and check their status on the lists of members, observers, potential members and members in peril. Around 10 people at the meeting were attending 802.16 for the first time. The electronic Attendance Sign-In procedure was demonstrated. There were 8 attendance intervals (Mon pm; Tue am; Tue pm; Wed am; Wed pm; Thu am; Thu pm; Thu night), and the "Participation" Requirement is 6 intervals (75%). No Attendance Books are used; electronic sign-in only. Attendance credit is not granted without on-line registration, nor for participation in other 802 activities outside this 802.16 session.

For Working Group members, the addition of a membership sticker turns the registration badge into a Voting Token. These are required for all Task Group meetings. In the Mobile Multi-hop Relay Study Group, all those attending are entitled to vote.

#### Approvals

A motion to approve the IEEE 802.16 Opening Plenary Agenda (as found at <http://wirelessman.org/meetings/mtg41/opening.html>) was proposed by Phil Barber, seconded by Greg Henderson and carried by unanimous voice vote.

A motion to approve the minutes of Session #40 (IEEE 802.16-05/087) was proposed by Mariana Goldhamer, seconded by Sean Cai, and carried by unanimous voice vote.

## **Chair's Status Report**

### **Legal Announcements**

The following advice was provided by the Working Group (WG) Chair regarding IEEE Standards Association (SA) Rules regarding Patents:

The IEEE's Patent Policy is consistent with the ANSI patent policy and is described in Clause 6 of the IEEE-SA Standards Board Bylaws;

Early disclosure of patents, which may be essential for the use of standards under development, is encouraged; Disclosures made of such patents may not be exhaustive of all patents that may be essential for the use of standards under development, and that neither the IEEE, the WG nor the WG Chairman ensure the accuracy or completeness of any disclosure or whether any disclosure is of a patent that in fact may be essential for the use of standards under development.

Slide #1 ("IEEE-SA Standards Board Bylaws on Patents in Standards") and Slide #2 ("Inappropriate Topics for IEEE WG Meetings") were shown.

An opportunity was provided for WG members to identify or disclose patents that the WG member believes may be essential for the use of that standard. There were no responses to this announcement.

### **IEEE 802 P&P rules changes**

Roger reminded the meeting that, at Session #40, the WG had considered the text of the proposed changes to the Policies and Procedures to be ambiguous. He had reported the WG's position to the Executive Committee (EC) of IEEE 802. This issue was resolved but, for other reasons, the rules changes have failed and are not currently to be rebaloted.

### **Publication of IEEE 802.16e-2005**

The merger of the approved 802.16e amendment and the 802.16-2004 Corrigendum into a single document 802.16e-2005 has been found to be more complex than expected by the professional editor. The original expected publication date of 31<sup>st</sup> December 2005 has not been met. The final draft may be delivered to the Chair this week, and he will appoint a committee to check for editorial errors over a two-week period for expected publication by the end of January. Ron Murias has agreed to lead this, in conjunction with Itzik Kitroser, if he is agreeable. Offers of further help to form the committee were invited, and initially Jon Labs and Phil Barber volunteered their services. [Note: Publication has been further delayed and is expected in late February.]

### **Consolidation of IEEE 802.16 standard**

Consolidation is the formal integration of a base standard and amendments into a single document. In this WG, we will shortly have the standard 802.16-2004, plus amendments 802.16e and 802.16f, and these would be easier to read as a consolidated document. This work must be negotiated with IEEE-SA staff and may not start for some time. Itzik Kitroser has volunteered to oversee the editorial work, which will be carried out by IEEE staff.

### **Election of WG Officers and IEEE 802 Officers**

Elections for Chair and Vice Chair take place every two years and are due at Session #42 in March 2006. Members may identify themselves as candidates in a prior WG meeting or on the reflector. Roger Marks informed the meeting that he intends to stand as candidate for Chair. No others indicated candidacy for either

office. Voting takes place on the Monday Opening Plenary of Session #42, with posts being taken up from the end of that session. The election procedures are defined in IEEE 802.16-03/28.

Various official positions are also available in IEEE 802. IEEE 802 elections take place at the March 2006 802 Plenary. Those interested may inquire with Roger.

In answer to a question, Roger stated that there are no set 802 rules for election of WG Officers. A 50% majority is used in 802.16.

### **Schedule for the Week**

The schedule for the week was presented for the various task groups, study groups and liaison ad hoc group <<http://iee802.org/16/meetings/mtg41/schedule.html>>.

### **NetMan Task Group**

The NetMan Task Group activities for the week were presented by Chair Phil Barber.

### **Conformance Task Group**

The Conformance Task Group presentation was made by Acting Chair Herbert Ruck, using document IEEE 802.16C-06/002. Letter Ballot #18d achieved an 88% approval rate. Closing Plenary Motions are expected to approve resolution of the comments and to create a new version for submission to a new Letter Ballot recirculation. Roger noted that EC has already given conditional approval to move to Sponsor Ballot, once WG Letter Ballot is concluded. Also, formal approval from some ballotters is still not forthcoming, despite having indicated their approval verbally. If these approvals can be confirmed, and comments resolved this week, then there is no necessity for a further Letter Ballot recirculation and the draft can move to Sponsor Ballot.

### **License-Exempt Task Group**

The License-Exempt Task Group status was presented by Chair Mariana Goldhamer. It was stated that the current schedule calls for a Working Draft by the end of this session, but this date may need to be revised.

### **Mobile Multihop Relay Study Group**

The Mobile Multihop Relay (MMR) Study Group presentation was made by Chair Mitsuo Nohara, using document IEEE 802.16mmr-06/001r2. Roger emphasised that development of the PAR and Five Criteria is the top priority for this session. He also expanded on the concern of 802.1 raised at the 18 November EC meeting with regard to the potential for overlap of their work with MMR work. DJ Johnson has agreed to make a presentation at the 802.1 meeting this week to try to resolve these issues. He will remain in contact by email in attempt to identify and resolve issues of concern.

### **Maintenance Task Group**

The Maintenance Task Group Chair Jon Labs addressed the development of an ongoing maintenance process, using document IEEE 802.16maint-06/001. This process needs to cover Interpretations for unsolicited requests for clarification, as well as methods for dealing with identified errors. Discussion took place on the various options, and concerns were raised about the number of potential interpretations and ensuring that the process does not lead to corrections that add additional functionality. It was agreed that a proposal for the way forward will be presented to the Closing Plenary, following an ad hoc group meeting Tuesday afternoon.

## **Charge to Task Groups**

TG and SG Secretaries were advised of necessary procedures for recording and approval of minutes.

## **Liaisons**

The ITU-R liaison report was presented by ITU-R Liaison José Costa. It was noted that, as of the start of the session, no contributions have been received to move forward the open items regarding contributions to ITU-R WPs 8A and 9F.

The ETSI BRAN liaison report was presented by Mariana Goldhamer as document IEEE L802.16-06/001r1.

Ronny Kim has been reassigned so is no longer able to act as liaison to 802.21. The WG is very grateful for his excellent work, and a replacement is needed to act as 802.21 liaison. Given the timescales for 802.16g and 802.21, the post is not likely to continue beyond approximately 18 months.

## **Future Sessions**

Session #42: 6-9 March 2006: Denver, CO, USA with IEEE 802 Plenary Session

Session #43: 8-11 May 2006: Tel Aviv, Israel

Session #44: 17-20 July 2006: San Diego, CA, USA with IEEE 802 Plenary Session

Session #45: 25-28 Sept 2006: Mont Tremblant, Quebec, Canada

Session #46: 13-16 November 2006: Dallas, TX, USA with IEEE 802 Plenary Session

Session #47: 15-18 January 2007: London, UK with IEEE 802 Joint Interim Session

The WG will need to choose the venue for May 2007 at the July 2006 Session #44.

## **New Business**

None.

## **Closing**

The Opening Plenary was adjourned at 5:06pm following a Motion proposed by David Castelov, seconded by Lei Wang and approved by unanimous voice vote.

## **IEEE 802.16 Session #41 Closing Plenary**

12 January 2006

### **Call to Order**

Roger Marks called the meeting to order at 7:19pm.

### **Approval of Agenda**

The agenda at <http://wirelessman.org/16/meetings/mtg41/closing.html> was presented by Roger.

A Motion was proposed by Mariana Goldhamer to approve the Closing Plenary Meeting Agenda as presented, this was seconded by Ed Agis and the Motion carried by unanimous voice vote.

### **Working Group Issues**

#### **Host and Logistics**

Thanks were expressed to our host Aditya Agrawal, helped by Sunil Kumar, Angela Rhoda, Ronald Parr, and RAMS Relationships. Aditya and Ron gave further logistical details.

#### **Biennial IEEE 802.16 Working Group Officer Election at Session #42**

Roger reiterated that he will run for another two-year term as Chair during Session #42. He asked for other declarations of candidacy. Ken Stanwood indicated that he will run for re-election as Vice Chair. No other declarations were announced.

Various positions within IEEE 802 are also available.

#### **Editorial Review Process for 802.16e (including Cor1) publication**

The first editor's draft of the merged document was received after the Opening Plenary. A small committee (set up at the Opening Plenary) is reviewing the work. It hopes to complete in time for publication by the end of January. [Note: Due to various delay, late February is now the target publication date.]

#### **Maintenance Process Development**

Jon Labs reported on progress during the week. The minutes of the ad hoc group can be found in document IEEE 802.16maint-06/002. The proposed way forward is documented in IEEE 802.16maint-06/003 and will be reviewed through a call for comments prior to Session #42.

In questions from the floor, it was asked whether a WG letter ballot is required, rather than a call for comments. The general view was that, since we do not have a PAR for a project and only a very small number of members will be interested in each issue raised through comments, then a WG ballot is not appropriate. A WG vote should be planned for Session #42 to approve the process.

### **Conformance Task Group**

Herbert Ruck, Acting Chair, presented his closing report in document IEEE 802.16C-06/003.

Herbert proposed the following Motion: To approve IEEE 802.16-06/001r3 as the resolution of WG Letter Ballot Recirculation #18d comments and submit the resulting draft P802.16-Conf04/D6 for confirmation ballot. This was seconded by Scott Probasco. The results were: For 34, Against 0, Abstain 0, and the Motion carried

unanimously. The Letter Ballot Recirculation #18e was opened immediately following the vote, by an email to the reflector from the Chair. The ballot was set to close on 27 January 2006 AOE.

### **License-Exempt Task Group**

Mariana Goldhamer, Chair presented her closing report in document IEEE 80216h-06/002r1. The decisions behind a working document have been completed and a Call for Comments will be made.

### **Mobile Multihop Relay Study Group**

Mitsuo Nohara, Chair presented his closing report in document IEEE 802.16mmr-06/003.

Mitsuo Nohara proposed the Motion: To submit the proposed PAR 802.16j (IEEE 80216mmr-06/002) to the IEEE 802 LMSC for consideration at the March 2006 802 Plenary. There was a question asking why is it mobile multihop relay, and not just multihop relay? The WG agreed not to change the language at this stage, noting that there will be an opportunity to do so during the March plenary. Also, there was a question about whether a Coexistence Assurance document will be required, this is not the case as the project is only for licensed operation. The motion was seconded by Jose Puthenkulam. Results were: For 44, Against 0, Abstain 0, and the Motion carried unanimously.

### **Network Management Task Group**

Phillip Barber, Chair presented his closing report in document IEEE 802.16netman06/003.

A Motion was proposed by Phil Barber to adopt IEEE 802.16g-06/002 as the first 802.16g draft and to submit it for Working Group Letter Ballot. This motion was ruled out of order by WG Chair, as this session does not have a quorum. Under IEEE 802 Policies and Procedures, the WG Chair exercised his right to open WG LB#19, to end on 27 January 2006 AOE, to adopt IEEE 802.16g-06/002 as the first 802.16g draft and to submit it for Working Group Letter Ballot. The meeting discussed this approach, following which the Letter Ballot was opened during the meeting.

A Motion was made to submit the proposed PAR 802.16k (IEEE 802.16-06/003) to the IEEE 802 LMSC for consideration at the March 2006 802 Plenary. This modifies 802.1D to support bridging of the 802.16 MAC. A similar activity has recently been completed in 802.17 using the same procedure. The Motion was proposed by Phil Barber and seconded by David Castelow. Voting was: For 42, Against 0, Abstain 0, and the Motion carried unanimously. The Chair acknowledge the support of DJ Johnston for his participation in the 802.1 session this week and for coordinating among the two Working Groups and the Study Group.

## **Liaison**

### **802.21 vacancy**

Roger will inquire as to the interest of Les Eastwood in this position, as he has attended 802.21 regularly. Other potential candidates should inform Roger. Appointment will be made at the March session.

### **CCSA vacancy**

Lucy Chen has resigned from the post as alternate CCSA liaison. Yanhong Wang offered to fill this position. The appointment will be made formally at the March session.

## **ITU-R**

The Closing Report for the ITU-R liaison activities was presented by José Costa in document IEEE L802.16-06/002. Work will continue by correspondence up until the next meeting, and those wishing to take part should contact José Costa.

## **Future Sessions**

Session #42: 6-9 March 2006: Denver, CO, USA with IEEE 802 Plenary Session

Session #43: 8-11 May 2006: Tel Aviv, Israel

– registration will open mid March, but it was requested that visa application letters should be made available before this time

Session #44: 17-20 July 2006: San Diego, CA, USA with IEEE 802 Plenary Session

Session #45: 25-28 Sept 2006: Mont Tremblant, Quebec, Canada

– note changed dates

Session #46: 13-16 November 2006: Dallas, TX, USA with IEEE 802 Plenary Session

Session #47: 15-18 January 2007: London, UK with IEEE 802 Joint Interim Session

- this is a joint interim session of all 802 which 802.16 will be attending.

## **Publicity**

Without objection, it was agreed that the Chair will prepare a Session #41 Report.

## **New Business**

None.

## **Closing**

A Motion to adjourn the meeting was made by Frank Draper, seconded by Greg Henderson, and carried by voice vote. The meeting was adjourned at 9:27pm on 12 January 2006.