Project	**IEEE 802.16 Broadband Wireless Access Working Group <**http://ieee802.org/16**>**
Title	**ITU-R Liaison Group Report for Session #58**
Date Submitted	**2008-11-13**
Source(s)	Roger B. Marks NextWave Wireless Inc.	Voice: +1 619 393 1913 E-mail: r.b.marks@ieee.org
Re:	Preparation of liaison contributions to ITU-R.
Abstract	The activities of the ITU-R Liaison Group include: 1) ITU-R WP 5A on IEEE 802.16 in Mobile and Fixed Service frequency bands. 2) ITU-R WP 5D on IEEE 802.16 in IMT (including IMT-2000 and IMT-Advanced)
Purpose	Approve the proposed actions to contribute to ITU-R.
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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>.

ITU-R Liaison Group Report for Session #58
Roger Marks

Introduction

At the Opening Plenary of the IEEE 802.16 Working Group's Session #58, Roger Marks, Acting as Chair of the ITU-R Liaison Group, presented an opening report (IEEE L802.16-08/066), including lists of background documents and input contributions, proposed objectives for the meeting, and the draft agenda for the ITU-R Liaison Group meeting.

The IEEE 802.16 WG passed the following motion: "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."

Results of the ITU-R Liaison Group meeting

The ITU liaison group met from 16:30 to 18:40 on Monday, 11 November 2008, from 9:00 to 12:30 and 13:30-16:00 on Tuesday, 12 November 2008, from 9:00 to 10:00 and 13:00 to 20:30 on Wednesday, 13 November 2008, and from 9:00 to 12:00 and 16:30 to 18:00 on Thursday, 14 November 2008, in Dallas, USA, chaired by Roger Marks, acting in the absence Chair José Costa. The largest attendance was about 14 people.

On Monday at 16:45, Roger Marks, Acting as Chair of the ITU-R Liaison Group, presented the opening report (IEEE L802.16-08/066), including lists of background documents and input contributions, proposed objectives for the meeting, and the draft agenda for the ITU-R Liaison Group meeting.

On Monday at 16:45, the group adopted the following agenda:

1. Opening remarks
2. Approval of the draft agenda
3. Approval of previous reports (IEEE L802.16-08/062r2 and L802.16-08/046r2)
4. Consideration of input contributions
5. Consideration of results from ITU-R WP 5A, WP 5D, SG 5, and 802.18 TAG
6. Objectives for this session
7. Development of draft documents for consideration by 802.16 and 802.18, including workplan update
8. Other business

On Monday at 16:47, the group agreed, without objection, to approve the report of the group's meeting at Session #56 (L802.16-08/046r2).

On Monday at 16:50, the group agreed, without objection, to approve the report of the group's meeting at Session #58 (L802.16-08/062r2).

The group considered the following input contributions:

- IEEE C802.16-08/024 (presented by Roger Marks)

  "*Report to 802.16 WG on ITU-R WP 5D Meeting #3*"

- IEEE C802.16-08/024 (presented by Taskashi Shono)

  "*Liaison from ARIB, IMT-Advanced Subcommittee, Advanced Wireless Communications Study Committee*"

- IEEE C802.16-08/025 (presented by Jose Puthenkulam)

  "*Proposal for IMT-Advanced Development Work Plan for 802.16m*"

The group considered of results from ITU-R WP 5A, WP 5D, SG 5, and the 802.18 TAG. It took note of the following:

Regarding WP 5A, it reviewed the information provided by José Costa indicating that three liaison statements approved by WP 5D last week would be of interest to IEEE 802.16:

- Liaison statement to external organizations - Request for input for a revision of Recommendation ITU-R M.1801 "Radio interface standards for broadband wireless access systems, including mobile and nomadic applications, in the mobile service operating below 6 GHz" (Source: Document 5A/TEMP/46(Rev.1))

- Liaison statement to external organizations - Invitation to review preliminary BWA characteristics for use in compatibility studies with fixed-satellite service systems in 3 400-4 200 MHz (Source: Document 5A/TEMP/52)

- Liaison statement to external organizations - invitation for contributions on the proposed draft new Report ITU-R M.[LMS.PPDR.UHF TECH] – "Radio interface standards that could be used for public protection and disaster relief operations in the 746-806 MHz band in Region 2 and some countries in Region 3" (Source: Document 5A/TEMP/58)

Regarding WP 5D, the report IEEE C802.16-08/024 presented earlier was considered a sufficient to address the agenda item.

Regarding Study Group 5, it was noted that there has been a report that SG 5 has decided this week to meet on 29 May.

The WG reconsidered the IEEE 802.18's TAGs proposed IMT-Advanced Review Process (IEEE 802.18-08-0058r4), upon which IEEE 802.16 had developed comments during Session #57.

Agreed Objectives for Session #58

On the morning of 11 November, the group agreed to the following Objectives for Session #58:

1. Prepare input to 802.18 on timeline for IMT-Advanced contribution review process
   Due by Tues 4 pm
2. Prepare Step 1 contribution towards IMT-Advanced
   For 802.18 review
     discuss Tues PM2; deliver by Thursday morning
     inform 802.18 Chair in advance
3. Prepare the third contribution on IMT-2000 Rev. 9
   For 802.18 review
     deliver by Thursday morning
     inform 802.18 Chair in advance
   Note: For 802 EC approval this week, but not be submitted until after January session, to allow for possible update in January.
4. Possible contribution on M.1457-9 scheduling, given SG 5 meeting of 29 May.
5. Update workplan with more details regarding IMT-Advanced submission in 2009.
6. Liaison to WiMAX Forum on M.1457-9 update.
7. Liaison to WiMAX Forum on updated IMT-Advanced workplan.
8. Send updated IMT-Advanced workplan to 802.18.

Objective 1: Comments on IMT-Advanced Review Process

The group prepared comments to the IEEE 802.18 TAG regarding the draft IMT-Advanced Review Process described in IEEE 802.18-08-0058r4, reflecting its earlier comments (IEEE 802.18-08-0058r4) and some new discussions regarding information to be provided to 802.18 earlier in the process. The comments were developed into a contribution numbered IEEE 802.18-08-0078 and submitted to the 802.18 TAG prior to its meeting scheduled for 16:00 on 11 November.

The ITU-R Liaison Group adjourned so the participants could join the 802.18 meeting for the discussion of IEEE 802.18-08-0078 and related topics. The 802.18 reviewed the proposal and agreed to make the changes as proposed, with formal TAG approval scheduled for Thursday afternoon. On Thursday afternoon, the document was approved (following additional editing) by unanimous vote of the 802.18 TAG. The 802.18-approved process is numbered IEEE 802.18-08-0078r6. The 802.18 TAG agreed to forward it to the 802 EC for approval.

Objective 2: Intention to Submit Candidate IMT-Advanced RIT based on IEEE Project 802.16m

On Tuesday, the group reviewed a contribution from Jose Puthenkulam (C802.16-08/027) toward IMT-Advanced notification. This led to a further contribution C802.16-08/027 and further discussion. On Wednesday, the ITU-R Liaison Group completed the Draft Intention to Submit Candidate IMT-Advanced RIT based on IEEE Project 802.16m (L802.16-08/070d0) and submitted it for review in the 802.18 TAG. On Thursday afternoon, the document was approved in 802.18 (following additional editing) by unanimous vote, as L802.16-08/070d1 and assigned the number 18-08-0085-00-0000. The 802.18 TAG agreed to forward it to the 802 EC for approval.

Objective 3: Updated Material on IMT-2000 OFDMA TDD WMAN for Revision 9 of Recommendation ITU-R M.1457

On Wednesday, the group discussed a plan to address Objective 4. Based on discussion, the draft L802.16-08/071d0 was developed and considered. On Thursday, this was further discussed, and L802.16-08/071d1 was submitted for review in the 802.18 TAG. On Thursday afternoon, the document was approved in 802.18 (following additional editing) by unanimous vote, as L802.16-08/071d2 and assigned the number 18-08-0085-00-0000. The 802.18 TAG agreed to forward it to the 802 EC for approval.

Objective 4: Possible contribution on M.1457-9 scheduling

On Wednesday, the group discussed Objective 4. There was no consensus on the content of such a contribution. The group decided to not pursue this issue during Session #58 but may consider it again at Session #59.

Objective 5: Workplan Update

On Tuesday, the group discussed Objective 5. Based on discussion, the draft L802.16-08/058r1d0 was developed and considered. On Thursday, this was further discussed and L802.16-08/058r1d1 was produced.

Objective 6: Liaison to WiMAX Forum on M.1457-9 update

On Thursday afternoon, the group prepared the draft L802.16-08/072d0, entitled "Liaison Statement to WiMAX Forum on M.1457 Update." It was forwarded to the 802.16 Working Group for approval.

Objective 7: Liaison to WiMAX Forum on updated IMT-Advanced workplan

On Thursday afternoon, the group prepared the draft L802.16-08/073d0, entitled "Liaison Statement to WiMAX Forum on ITU-related Workplan of IEEE 802.16 Working Group." It was forwarded to the 802.16 Working Group for approval.

Objective 8: Send updated IMT-Advanced workplan to 802.18

It was agreed to recommended that the 802.16 Working Group Chair take the action of forwarding the updated version of IEEE L802.16-08/058 ("IEEE 802.16 ITU-R Liaison Group Workplan") to the 802.18 TAG Chair.