

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Report of the meeting of the ITU-R liaison group during Session #56	
Date Submitted	2008-07-17	
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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 >.	

Report of the meeting of the ITU-R liaison group during Session #56

José Costa (ITU-R Liaison Official)

1. Introduction

At the opening plenary of Session #56 of the IEEE 802.16 WG the ITU-R Liaison Official presented an opening report (IEEE L802.16-08/037), including the objectives for the meeting, the IEEE 802.16 Liaison Documents and Contributions received, 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), and submit them for 802.18 review.”*

2. Documents considered

Refer to Chart 4 in IEEE L802.16-08/037.

In addition to the ITU-R liaison documents, the 802.16 Opening Plenary assigned input contributions C802.16-08/016 and C802.16-08/017 to the ITU-R Liaison Group to consider developing a response to the public consultation on draft amended ECC decision (06)12.

3. Results of the ITU-R Liaison Group meeting

The ITU-R liaison group met from 16:30 to 18:30 hours on Monday, 14 July 2008; from 09:00 to 10:30 hours (from 10:30 to 12:30 the members joined an 802.18 meeting on IMT-Advanced) and from 13:00 to 18:30 hours on Tuesday, 15 July 2008; from 09:00 to 12:30 hours and from 13:45 to 19:00 hours on Wednesday, 16 July 2008; and from 09:00 to 12:00 hours and from 13:00 to 13:30 hours on Thursday, 17 July 2008, in Denver, CO, USA, chaired by José Costa. About 18 people participated.

The draft agenda for the meeting was adopted:

1. Opening remarks
2. Approval of the draft agenda
3. Approval of previous report ([IEEE L802.16-08/035](#))
4. Objectives for the meeting
5. Consideration of input liaison statements
6. Consideration of input contributions
7. Development of draft contributions for consideration by 802.16 and 802.18
8. ITU-R liaison group work plan for future 802.16 sessions
9. Other business

The report of the ITU-R Liaison Group meeting during Session #55 ([IEEE L802.16-08/035](#)) was approved. It was agreed to deal with agenda items 4 to 7 simultaneously on the basis of Chart 4 in IEEE L802.16-08/037 and it was noted that the objectives are well aligned with a report of the WP 5D meeting (C80216-08/015) and the recommended actions for the ITU-R Liaison Group.

Participants in the ITU-R Liaison Group meeting also participated in relevant sessions of 802.18; in particular the timeline for IEEE 802 activities towards IMT-Advanced was noted (L802.16-08/047). It was also noted that 802.20 and 802.18 developed a draft contribution to ITU-R WP 5A for the update of Recommendation ITU-R M.1801 and the ITU-R Liaison Group agreed on some editorial comments that were passed to 802.18.

3.1 Output documents (7)

- L802.16-08/039d1: Proposed amendments to ITU-R technology description template.
- L802.16-08/040d1: Proposed draft contribution to ITU-R on the update of Recommendation ITU-R M.1801.
- L802.16-08/041d0: Public Consultation on Draft amended ECC/DEC/(06)12, "Complementary regulatory provisions for devices using Ultra-Wideband (UWB) technology".
- L802.16-08/042d0: Draft liaison contribution to ITU-R on parameters of radio interface technologies.
- L802.16-08/043d0: Further response on IMT-2000 OFDMA TDD WMAN ACS values.
- L802.16-08/044d2: Updated material on IMT-2000 OFDMA TDD WMAN for Revision 9 of Recommendation ITU-R M.1457.
- L802.16-08/045d0: Draft Liaison Statement to WiMAX Forum regarding contributions to ITU-R.

3.1.1 Follow up with 802.18

Six contributions were presented to 802.18 on Thursday, 17 July 2008, starting at 13:30 hours that 802.18 approved as follows:

- L80216-08/039d1: Not approved; 802.18 will organize a conference call to coordinate views.
- L80216-08/040d1: Approved.
- L80216-08/041d0: Approved with amendments (see L80216-08/041d1)
- L80216-08/042d0: Approved with amendments (see L80216-08/042d1)
- L80216-08/043d0: Approved.
- L80216-08/044d2: Approved, subject to updates in Annex 2 at the closing plenary of 802.16, to align with other work in 802.16.

3.2 Summary of discussions and proposed motions

3.2.1 Revision of Recommendation ITU-R M.1801

Based on a liaison statement from ITU-R WP 5A ([IEEE L802.16-08/005](#)), a draft contribution was prepared and tentatively approved for submission to 802.16 and 802.18 (L80216-08/040d1).

Motion: "To confirm the approval of IEEE L80216-08/040d1, and authorize the WG Chair to follow up with 802.18 and support an associated motion at the 802 EC as required."

3.2.2 Revision of Recommendation ITU-R M.1457

Based on a liaison statement from ITU-R WP 5D ([IEEE L802.16-08/003](#)), a draft contribution was prepared and tentatively approved for submission to 802.16 and 802.18 (L80216-08/044d2), providing updated material for Revision 9 of M.1457. Note: 802.18 approved it, subject to updates in Annex 2 at the closing plenary of 802.16, to align with other work in 802.16.

Motion: "To confirm the approval of IEEE L80216-08/044d2, and authorize the WG Chair to follow up with 802.18 and support an associated motion at the 802 EC as required."

3.2.3 Parameters of radio interface technologies

Based on a liaison statement from ITU-R WP 5D ([5D/TEMP/62R1](#)¹), a draft contribution was prepared and tentatively approved for submission to 802.16 and 802.18 (L80216-08/042d0). Note: 802.18 approved it with amendments (see L80216-08/042d1).

Motion: "To confirm the approval of IEEE L80216-08/042d1, and authorize the WG Chair to follow up with 802.18 and support an associated motion at the 802 EC as required."

3.2.4 IMT-2000 OFDMA TDD WMAN ACS values

Based on a liaison statement from ITU-R WP 5D ([5D/TEMP/75](#)-edited), a draft contribution was prepared and tentatively approved for submission to 802.16 and 802.18 (L80216-08/043d0).

Motion: "To confirm the approval of IEEE L80216-08/043d0, and authorize the WG Chair to follow up with 802.18 and support an associated motion at the 802 EC as required."

3.2.5 IMT-Advanced candidate technology description template

Based on the work in ITU-R WP 5D ([5D/TEMP/93R1](#)), as reported in IEEE C80216-08/015, a draft contribution was prepared and tentatively approved for submission to 802.16 and 802.18 (L80216-08/039d1). Note: 802.18 did not approve it; 802.18 will organize a conference call to coordinate views.

Motion: "To confirm the approval of IEEE L80216-08/039d1, and authorize the WG Chair to follow up with 802.18 and support an associated motion at the 802 EC as required."

3.2.6 Public Consultation on draft amended ECC/DEC/(06)12, "Complementary regulatory provisions for devices using Ultra-Wideband (UWB) technology"

Based on input contributions C802.16-08/016 and C802.16-08/017, a draft contribution was prepared and tentatively approved for submission to 802.16 and 802.18 (L80216-08/041d0). Note: 802.18 approved it with amendments (see L80216-08/041d1).

Motion: "To confirm the approval of IEEE L80216-08/041d1, and authorize the WG Chair to follow up with 802.18 and support an associated motion at the 802 EC as required."

3.2.7 Cooperation with the WiMAX Forum regarding contributions to ITU-R

To continue the cooperation with the WiMAX Forum on the development of contributions to ITU-R, a liaison statement was prepared (L802.16-08/045d0).

Motion: "To approve IEEE L802.16-08/045d0 and authorize the WG Chair to send it to the WiMAX Forum."

¹ Some liaison statements from ITU-R WP 5D have not yet been received officially by IEEE and the responses were developed on the basis of the temporary documents approved by WP 5D. The draft responses are subject to editorial alignment as required when the liaison statements are eventually received from ITU-R.

3.2.8 Summary of motions

For convenience of 802.16, this is a summary of the motions above:

Motion: "To confirm the approval of:

IEEE L80216-08/040d1
 IEEE L80216-08/044d2
 IEEE L80216-08/042d1
 IEEE L80216-08/043d0
 IEEE L80216-08/039d1
 IEEE L80216-08/041d1

and authorize the WG Chair to follow up with 802.18 and support an associated motion at the 802 EC as required."

Motion: "To approve IEEE L802.16-08/045d0 and authorize the WG Chair to send it to the WiMAX Forum."

3.2.9 Future work

The timeline of relevant ITU-R and IEEE events shown on Table 1 below was reviewed and updated.

Table 1
 Relevant ITU-R and IEEE Events

Group/Event	#	Start	# days	End	Location	Comments
IEEE 802.18		8-Sep-08	5 (4?)	12-Sep-08	Kona, HI, USA	
IEEE 802.16	57	16-Sep-08	4	19-Sep-08	Kobe, Japan	- Need for ITU-R Liaison Group meeting in September 2008 is not currently anticipated. - Identify acting chair of ITU-R Liaison Group for November meeting. - Prepare contribution for the IMT-Advanced workshop
						- No time for IEEE 802 EC correspondence activity to approve contribution(s) to ITU-R.
WP 5D contr. due:				1-Oct-08		
IMT-Avd Workshop		07-Oct-08		07-Oct-08	Seoul, Korea	
ITU-R WP 5D	3	08-Oct-08	8	15-Oct-08	Seoul, Korea	
WP 5A contr. due:				21-Oct-08		
ITU-R WP 5A	2	28-Oct-08	10	06-Nov-08	Geneva, CH	
SG 5 contr. due:				3-Nov-08		
ITU-R SG 5	2	10-Nov-08	2	11-Nov-08	Geneva, CH	
IEEE 802.16	58	10-Nov-08	4	13-Nov-08	Dallas, TX	- Plan for the IMT-Advanced submission in 2009 - Prepare the third contribution on Rev. 9 - Consider SG 5 results
IEEE 802		10-Nov-08	5	14-Nov-08	Dallas, TX	

4. Closing

The ITU-R Liaison Official thanked all the participants for their work during the meeting.