802.16 ITU-R Liaison Group

IEEE 802.16 Session #45

Pre-Agenda

- Review ITU-R Liaison Meeting Schedule for Session #45

- Review Monday discussion

- Develop agenda for Tuesday

Meetings Held During Session #45

- Monday, 4-5 pm
  - Chaired by Roger Marks
- Tuesday, 8-12 am
  - Chaired by Roger Marks
- Thursday, 8-12 am and 1-5 pm
  - Chaired by José Costa

Monday Meeting

- Large attendance
  - After WG Plenary
  - No other meetings in parallel
- Reviewed documents:
  - IEEE L802.16-06/020
  - IEEE L802.16-06/016

Monday: IEEE L802.16-06/016

- Report of 802.16 ITU Liaison Group Meeting during Session #44
- Focus on pages 4-11
  - "IMT-Advanced Standardization Process"
    - Prepared by José Costa

Monday: IEEE L802.16-06/020

- Report from ITU-R WP 8F meeting, Aug '06, by Roger Marks
- Reviewed "recommendations" section
  - Consider opening a new PAR for an advanced version of the IEEE 802.16 air interface for IMT-Advanced
  - Consider developing a proposal, under Circular Letter 8/LCCE/95, for the inclusion of IEEE Std 802.16 in M.1457
- Generally positive response to the recommendations, but a lot of work is required

Follow up to recommendations

- IMT-Advanced:
  - Possible PAR under discussion by 802.16 Project Planning Committee
  - No specific actions required this meeting
- IMT-2000
  - Discussions to continue in ITU-R Ad Hoc

Proposed Agenda for Tuesday

- Pre-Agenda review (*completed*)
- Identify Session #45 goals
- Proceed toward those goals

Proposed Session #45 goals

- IMT-2000 application
  - Agreement on date
  - Authorization of committee to develop draft documentation
    - Notification to 802.16, 802.18, 802 EC prior to November Plenary
  - Call for Contributions
    - Including "call for partnerships"
  - List of required documentation

Session Schedule

802.16

- 13-17 Nov '06
  - Dallas
- 15-18 Jan '07
  - London
- 12-16 Mar '07
  - Orlando
- 21-24 May '07
  - Portland

8F

- 17-25 Jan '07
  - Cameroon

- 23-31 May '07
  - Kyoto

- ~ February '08 (TBD)

Thursday Meeting

- Attendance: about 25 people
    - 8-12 am and 1-5 pm approximately
- Main items on the Agenda:
    - News from Geneva
    - Status report from ITU-R ad hoc meetings Monday and Tuesday (see charts preceding this one)
    - Document preparation for IMT-2000 potential submission
    - IMT-Advanced Topics

IEEE 802.16 - ITU-R Liaison

Results to date:

- Recommendation ITU-R F.1763 "Radio interface standards for broadband wireless access systems in the fixed service operating below 66 GHz" *(WP 9B)*

  – It recommends the harmonized IEEE WirelessMAN standard (IEEE 802.16) and ETSI HiperMAN standards. Includes Corrigendum 1 to IEEE Std 802.16-2004 published in IEEE Std 802.16e-2005.

  – Available now in 3 languages (English, French, and Spanish; Arabic, Chinese and Russian to follow): http://www.itu.int/rec/R-REC-F.1763-0-200604-I/en

- Report ITU-R F.[BWA-REQ] - Technical and operational characteristics and applications of broadband wireless access in the fixed service *(WP 9B)* (ex-Doc. 9/108) (*Status: Approved*).

- [Draft new] Recommendation ITU-R M.[8A/BWA] "Radio interface standards for broadband wireless access systems, including mobile and nomadic applications, in the mobile service operating below 6 GHz" *(WP 8A) (ex-Doc. 8/167) (Status: Agreed by Study Group 8 on 20-21 September 2006 for PSAA – Procedure for Simultaneous Adoption and Approval)*

  – It recommends IEEE Std 802.16-2004 / IEEE Std 802.16e-2005 (and the harmonized ETSI equivalents) alongside with the 802.11 RLAN standards, the IMT-2000 standards, and others, for BWA.

Ongoing activities:

- Development of a handbook on Broadband Wireless Access (BWA) – Volume 5 of the Handbook on Land Mobile (including Wireless Access) *(WP 8A)*

  – Opportunity to include tutorial/practical material to assist operators plan their deployments.

Document preparation for IMT-2000 potential submission

- Developed the description template in document IEEE L802.16-06/023
  Result: IEEE L802.16-06/024A1

- Developed a proposed call for contributions in document IEEE L802.16-06/024 to prepare draft submission(s) to ITU-R

MOTION: To approve IEEE L802.16-06/024, including its Attachment 1 in IEEE L802.16-06/024A1.

IMT-Advanced Topics

- Results from ITU-R Study Group 8 (20-21 Sep 2006):

    - Report ITU-R M.2078 - Spectrum requirements for the future development of IMT-2000 and IMT-Advanced (ex-Doc. 8/148).

    - Report ITU-R M.2079 - Technical and operational information for identifying spectrum for the terrestrial component of future development of IMT-2000 and IMT-Advanced (ex-Doc. 8/149).

    - [Draft new Resolution/Draft new Decision] ITU-R M.[PRINCIPLES] - Principles for the process of development of IMT-Advanced (ex-Doc. 8/157).

- Discussed a proposed draft PAR to further develop IEEE 802.16 in alignment with IMT-Advanced requirements.