



ITU/BDT Regional Seminar on Broadband Wireless Access (BWA) for rural and remote areas for Africa

**Yaoundé (Cameroon)
18-21 September 2006**

Background:

Due to its ability to cover wide geographic areas efficiently, wireless technology not only has the potential to become the third broadband pipe into homes in the well served areas, but is beginning to provide the most efficient solution for innovative and high-speed broadband services to consumers in remote and underserved areas. The Seminar will examine the technological, economic and regulatory factors that influence the availability and deployment of wireless broadband services. The event will provide an opportunity for wireless broadband business, technology and regulatory experts to share their knowledge, experiences and views on the future of the industry with ITU and Hosting Administration attendees.

All relevant information for participants is posted on our website, at the following address:

<http://www.itu.int/ITU-D/imt-2000/BDTActivities.html>

Operators and Companies will be also invited to exhibit their products and trials during the Seminar. Dedicated space outside the conference room may be allocated for such Exhibition.

Program:

The seminar program includes sessions on the following topics: introduction to wireless broadband; broadband programs and system implementation; broadband solutions for rural and remote areas; wireless broadband standards and technology; regulatory aspects of wireless broadband; BWA planning and implementation; fixed-mobile convergence; transition/evolution from 2G to 3G.

Draft Program v.1

Day 1 (18 September 2006)

Opening	
09:00-09:30 hrs	Welcome address: Hosting Administration Opening address: Seminar Chairman (John Visser, ITU)
SESSION 1: Introduction to Wireless Broadband	
09:30-10:30 hrs (Chairman: t.b.d)	<ul style="list-style-type: none"> • BDT Projects and Activities in Africa (BDT) • Global BWA in ITU (ITU-R) • ITU Development Activities on Wireless Communication (BDT) • ITU-D Report on Broadband Activities (ITU-D)
10:30-11:00 hrs	Coffee break
SESSION 2: Broadband Programs and System Implementation	
11:00-12:00 hrs (Chairman: t.b.d.)	<i>Regional and National Programs and System Implementation presentations by countries of the AFR region about programs, projects, regulatory framework in the area</i> <ul style="list-style-type: none"> • Standardization and Current Status of BWA Technologies • Rural and remote wireless • Wireless Broadband Access System and Applications
12:00-12:30 hrs	Questions & answers
12:30-14:00 hrs	Lunch break
SESSION 3: Regulatory aspects of Wireless Broadband	
14:00-16:00 hrs (Chairman: t.b.d)	<ul style="list-style-type: none"> • Regulations on Wireless Broadband • National Regulations Case Studies by different African countries • Wireless Broadband current policy and status
16:00-16:30 hrs	Wrap-up Session Day 1

Day 2 (19 September 2006)

SESSION 4: International Wireless Broadband Standards	
9:00-10:30 hrs (Chairman: t.b.d)	<ul style="list-style-type: none">• BWA Standards Regulatory and Spectrum issues• IMT-2000• WiMax Forum• ETSI BRAN Project• IEEE 802.16 Working Group• TTA WiBro Project
10:30-11:00 hrs	Coffee break
SESSION 5a: Broadband technologies and Solutions	
11:00-12:00 hrs (Chairman: t.b.d.)	<ul style="list-style-type: none">• CDMA EVDO• McWill Tech• 3G CDMA• An iBurst Update
12:00-12:30 hrs	Questions & answers
12:30-14:00 hrs	Lunch break
SESSION 5b: Broadband technologies and Solutions	
14:00-16:00 hrs (Chairman: t.b.d)	<ul style="list-style-type: none">• The development of WiMAX• The application of satellite BWA technology for rural and remote areas• IMT-2000 networks delivering BWA• Wireless Networks in rural area
16:00-16:30 hrs	Wrap-up Session Day 2

Day 3 (20 September 2006)

SESSION 6a: BWA Planning and Implementation	
9:00-10:30 hrs (Chairman: t.b.d)	<ul style="list-style-type: none">• Planning BWA Networks• Rural-Suburban Wireless networks• Planning of Broadband Wireless Access for Rural and Remote Areas
10:30-11:00 hrs	Coffee break
SESSION 6 b: BWA Planning and Implementation	
11:00-12:00 hrs (Chairman: t.b.d.)	<ul style="list-style-type: none">• Radio Network Design and Convergence between Mobile and Broadcast for Broadband Wireless Access• Case Study: planning of different Broadband solutions in the last mile for urban and suburban areas• Planning of New Generation Wireless Networks: Challenges and Solutions
12:00-12:30 hrs	Questions & answers
12:30-14:00 hrs	Lunch break
SESSION 7: Fixed Mobile Convergence	
14:00-16:00 hrs (Chairman: t.b.d)	<ul style="list-style-type: none">• An evolutionary path to Next Generation Networks• Mobile Next Generation Network• Convergence: Commercial Deployment of Wireless Systems• Wireless Access: A Regional Perspective
16:00-16:30 hrs	Wrap-up Session Day 3

Day 4 (21 September 2006)

SESSION 8a: 2G to 3G Migration/Evolution - Guidelines for Developing Countries	
9:00-10:30 hrs (Chairman: t.b.d)	<ul style="list-style-type: none">• From 2G to 3G: Special needs of Operators, Regulators and Users in developing Countries• Spectrum Requirements and Licensing Aspects• Transition Paths
10:30-11:00 hrs	Coffee break
SESSION 8b: 2G to 3G Migration/Evolution - Guidelines for Developing Countries	
11:00-12:00 hrs (Chairman: t.b.d.)	<ul style="list-style-type: none">• Economics of Transition to IMT-2000• Business Plan and Analysis• Operator Experience in Transitioning to IMT-2000 Systems
Panel Discussion	
12:00-13:00 hrs (Moderator: t.b.d.)	How to foster regional and global cooperation for development of wireless broadband? <u>Participants:</u> speakers to be announced.
Closing	
13:00-13:30 hrs	Closing address: Hosting Administration Seminar closing: Seminar Chairman
13:30	Lunch