ITU-D Regional Development Forums 2010 on NGN and Broadband (EUR & CIS Region):
"NGN and Broadband, Opportunities and Challenges"
Chisinau (Moldova), 4-6 May 2010

DRAFT PROGRAMME

Day 1, 4 May 2010	
09:30 — 10:00	**Opening Ceremony** **Opening Remarks**: ▪ Host country ▪ Chairman of the Forum ▪ Representative of ITU
10:00 — 10:30	**Coffee-break**
10:30 — 12:30	**SESSION 1: New Telecommunication Technologies: Promise and Potential for Leapfrogging Digital Divide** **Session Chairman**: **t.b.d.** **Objectives**: This session will focus on the potential of new technologies NGN and Broadband and will address the development experiences and opportunities in the Region. • Leapfrogging with New Telecommunication Technologies • Role of ITU in bridging the digital divide • Progress on Implementing Networks • NGN Planning and QoS Aspects
12:30 — 14:00	**Luncheon**
14:00 — 15:30	**SESSION 2: Regional Developmental issues and Regional Initiatives** **Session Chairman**: **t.b.d.** **Objectives**: This session will focus on ITU-D activities with special reference to Regional Initiatives. In addition the activities of the ITU-D Regional Office will be highlighted. • The ITU-D Sector Regional Initiatives and Activities, (Regional Office, ITU) • ITU-D Study Group Activities ▪ Prospects of Broadband Deployment **(case study from the Region)**
15:30 — 16:00	**Coffee-break**
16:00 — 18:30	**SESSION 3: ITU Standardization Activities on NGN and Broadband** **Session Chairman**: **t.b.d.** **Objectives:** This session will provide an overview of ITU standardization activities from different ITU Sectors. Focusing on current standardization topics from ITU Sectors, it will specifically address: • NGN Overview (Definition, functions, structures, benefits and transition from existing networks) • ITU-R Standardization activities • Collaboration with external organizations • ITU-R Standards development on Broadband Wireless Access ▪ Bridging Standardization Gap: Workshops, Seminars, Assistance to developing countries in the light of WTSA-08 Resolutions. Participation of operating companies, private sector and Academia in the standardization Sector

Day 2, 5 May 2010

08:30 — 11:00	**SESSION 4: Bridging the Digital Divide by Broadband** **Session Chairman**: **t.b.d.** **Objectives**: This session will discuss the status of ICT deployment in the Region and role of ICT in connecting the unconnected with specific focus on broadband. The role of technology, policy and enabling regulatory environment for encouraging widescale deployment of broadband in the Region will be also discussed. Issues will include: • Case Study on Broadband Access Network Planning • IMT and IMS Technologies in Developing Countries • Case Study on sustainable national broadband proliferation • Emerging Trends in Broadband Technologies – Next Generation Access (NGA) • WTSA-08 results, implementation and cooperation with ITU-D • IMT-Advanced: Process, Opportunities and Usages
11:00 — 11:15	**Coffee-break**
11:15 — 14:00	**SESSION 5: Trends of NGN Technology and Migration Aspects** **Session Chairman**: **t.b.d.** **Objectives:** This session will present the evolution of NGN and future perspectives in the relevant access technologies, service and network architecture with special focus on convergence, home, office and mobile applications, Internet protocol-based platforms and multiple access networks. It will be devoted to the evolution of the network architecture towards NGN (IMS based or otherwise), fixed-mobile convergence, evolution: towards a new generation of broadband mobile, PSTN/ISDN evolution to NGN, cases studies and scenarios taking into consideration the relevant business models and opportunities. Emphasis will be on: • NGN Migration Strategies, Scenarios and Challenges • The model network methodology for NGN testing • The International Testing Center Project • NGN and Broadband planning tools • NGN Planning and Migration tools • Transition from PSTN to NGN: Possible Scenarios
14:00 — 15:00	**Luncheon**
15:00 — 17:30	**SESSION 6: Interconnection, Interoperability and Security Aspects in NGN** **Session Chairman: t.b.d.** **Objectives:** This session will begin with discussion on the User-to-Network Interface supporting the services defined for the NGN. In addition, accomplishment of the goal of Plug and Play devices place requirements in at least three major areas, Auto-Provisioning, Standard SIP Profile & Call flows, and Standardized limited codec selection will be discussed. Currently there are various implementations and deployments that perform Session/Border Control Functions (S/BCF), in service provider, enterprise, access and end-user networks. Defining requirements for these functions and for mapping these to physical implementations is needed to allow for vendor product interoperability and network interconnection. Moreover, Number Portability and Network Address, Translation and Protocol Translation issues will be considered as well as Interconnection of NGN and legacy networks. This session will also provide an overview of security standards and current security standardization work. Security topics will include technologies and convergence implications and will cover cybersecurity issues e.g. combating spam. Topics to be discussed are: • The new cup of interoperability and conformance testing Recommendations • Interconnection Issues pertaining to NGN Migration • Outcome of WTSA-08 Resolution 76 • QoS classes and parameters interoperability • Cybersecurity, ITU-T Standards and Initiatives

17:30 — 17:45	**Coffee-break**
17:45 — 19:45	**SESSION 7: NGN and Broadband: Policy and Regulatory Issues** **Session Chairman: t.b.d.** **Objectives:** This session will focus on the challenges that the policy makers and regulators face while considering introduction of NGN and Broadband technologies. Current regulatory frameworks based on technologies and/or service specific licenses have limitations. In order to ensure investment in NGN and Broadband, regulators need to encourage conditions, which lowers entry barriers, promotes competition and encourage investment in infrastructure. Emphasis will be on: • Universal Service Wireless Broadband Policy • Trends of the Radiocommunication regulatory framework • Developing NGN Regulatory Ecosystem for Emerging Markets • International and national spectrum regulatory frameworks

Day 3, 6 May 2010

08:30 — 11:00	**Session 8: Services and Applications offered by NGN and Broadband** **Session Chairman: t.b.d.** **Objectives:** This session will address applications and new services offered by NGN and broadband due to convergence. These applications and services provide opportunities to the service providers for offering new revenue generating services as well as for offering new competitive service for consumers. This session explores: • Voice Evolution and Fixed-Mobile-Internet Convergence • Case study on Economic Impact of Broadband Implementation • IP Multimedia Systems an IP enabled services (features, functions and services) • Broadband e-infrastructure development for e-applications • Next generation architecture for IMS era
11:00 — 11:30	**Coffee-break**
11:30 — 13:00	**SESSION 9 : Market Opportunities and Challenges** **Session Chairman: t.b.d.** **Objectives:** NGN provides a number of opportunities for variety of businesses. Those include service providers, application providers, transport providers in the access and the backbone. NGN also provides mechanisms to offer services to residential and business users as well as to re-sellers. Challenges arise from a number of sources like competition, implementation costs, changing marketplaces, complex migration scenarios and regulatory uncertainties. This session aims to provide a state-of-the-art overview on global trends with a focus on Region from different perspectives. This session will also include discussion on: • Mobile Broadband everywhere • Emerging trends in NGA Policy and Innovative Financing Models – Case Study from Emerging Market • Market Challenges: competition, implementation costs, changing marketplaces, complex migration scenarios and regulatory uncertainties • NGN and Broadband: Create a better environment for the market development • Tariff and Accounting Issues under Discussion in ITU
13:00 — 14:00	**Luncheon**
14:00 — 15:30	**SESSION 10 : Challenges and opportunities facing Broadband Wireless** **Session Chairman: t.b.d.** **Objectives**: This session will present some of the challenges and problems related to the implementation of Broadband Wireless Networks. Security and aspects related to Infrastructure sharing will be analysed. This session explores: • General review of the challenges and opportunities facing Broadband Wireless Access applications • Practical experience in development and use of broadband wireless systems • WRC as means to facilitate further development of the BWA applications • Frequency allocation

15:30 — 16:00	**Coffee-break**
16:00 — 18:00	**SESSION 11 : Panel Discussion** **Ways Forward**: How to foster the development of NGN and Broadband in the Region? **Objectives**: This discussion aims to examine experience and lessons learned in the Region, and how the points raised in this Forum may be applied to address specific problems encountered or anticipated. The Forum will close with a brief summation by the Chairman of the Forum.
18:00 – 18:30	**Closing Ceremony** • Closing remarks: ITU/BDT • Closing remarks: Host country

For electronic version of presentations and other information on this forum:
http://www.itu.int/ITU-D/tech/indexDevelopmentForum.html

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