INTERNATIONAL TELECOMMUNICATION UNION

ITU-D Regional Development Forum for the EUR and CIS Region
NGN and Broadband, Opportunities and Challenges
Chisinau, Moldova, 24 – 26 August 2009

Draft Programme

Day 1, 24 August 2009

09:30 — 10:00	**Opening Ceremony** **Opening remarks** • **Host country** • **Chairman of the Forum** • **Sami Al Basheer Al Morshid (Director, BDT, 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 ▪ What is Next after the Next Generation Networks? ▪ Stimulating New Technologies and Services Take-Up in Rural Areas
12:30 — 14:00	**Luncheon**
14:00 — 15:45	**SESSION 2: The EUR and CIS Regional Developmental issues and Regional Initiatives** **Session Chairman**: (Head, Regional Office ITU) **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: EUR and CIS Regional Initiatives and Activities: (Regional Office, ITU) ▪ ITU-D Study Group Activities: ▪ ICT Developmental initiatives

15:45 — 16:00	**Coffee-break**
16:00 — 18:00	**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: • ITU- T Standards development on NGN and Broadband • ITU-R Standards development on Broadband Wireless Access • How to bridge the standardization gap • Collaboration with external organizations
19:00 – 21:00	**WELCOME DINNER**

Day 2, 25 August 2009

09:00 — 10:30	**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: ▪ Wireless and Wireline Broadband Technologies including Satellite ▪ Case Study on sustainable national Broadband proliferation. ▪ What makes up Digital Bridges? ▪ Next Generation Broadband Access
10:30 — 10:45	**Coffee-break**
10:45 — 12:15	**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 planning tools ▪ NGN migration strategies and scenarios

	▪ NGN Deployment scenarios (case studies) ▪ Access Network Planning (case studies)

12:15 — 13:45	**Luncheon**

13:45 — 15:15	**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: ▪ Interconnection and interworking ▪ Interoperability ▪ Internet Security and how to improve it • Overview of security standards and current security standardization work ▪ Cybersecurity - The challenge of the ITU

15:15 — 15:45	**Coffee-break**

15:45 — 17:45	**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: • Regulatory issues arising from the migration to NGN • Enabling NGN Regulatory Ecosystem for a Developing Country • Telecommunications Policy and Next Generation Networks • Role of the regulators and regulatory bodies in an NGN converged network • Trends of the Radiocommunication regulatory framework

Day 3, 26 August 2009

09:00 — 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: • NGN services: New concepts and NGN open service environment • Voice Evolution and Fixed-Mobile-Internet convergence • Provision of Multimedia Service Mobility within the Next Generation Network
11:00 — 11:30	**Coffee-break**
11:30 — 12:30	**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 the EUR and CIS region from different perspectives. This session will also include discussion on: ▪ Innovative Financing Arrangements ▪ Spill-over Economic Effects ▪ Tariffs and Accounting Issues under discussion in ITU
12:30 — 13:45	**Luncheon**
13:45 — 15:15	**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: • Frequency allocation • Spectrum Management requirements • Electromagnetic Field control

	• Infrastructure sharing
15:15 — 15:30	**Coffee-break**
15:30 – 17:30	**SESSION 11 : Panel Discussion** **Ways Forward**: How to foster the development of NGN and Broadband in the Region? Objective: 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

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

For more information on ITU-D: www.itu.int/ITU-D