



**ITU-D Regional Development Forums 2010 on NGN
and Broadband for the Arab Region**
“NGN and Broadband, Opportunities and Challenges”
Cairo, Egypt, 13 to 15 December 2010



DRAFT PROGRAMME

Day 1 (13 December 2010)

10:00 – 10:30

Opening Ceremony

Opening Remarks:

- **Dr. Miloud Ameziane**, Regional Director, ITU ARO
- **Dr. Amr Badawi**, Executive President of NTRA and Chairman of the Forum
- **H.E. Dr. Tarek Kamel**, Minister of Communications and Information Technology (MCIT), Egypt

Coffee-break: 10:30 – 10:50

10:50 – 12:30

Session 1: New Telecommunication Technologies: Promise and Potential for Leapfrogging Digital Divide

Session Chairman: **Satya N. Gupta (BT Global Services)**

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.

- Trends on Convergence and Migration Leaps: **Oscar Gonzalez-Soto (ITU-D Consultant)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Broadband Market in the Region: **Noel Kirkaldy (Motorola)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Building Next Generation Broadband Network (NGBN): **Constantinos Strigaris (Huawei Technologies CO., Ltd.)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Broadband for Development in the ESCWA Region: **Ayman El-Sherbiny (UN-ESCWA)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]

Lunch break: 12:30 – 14:00

14:00 – 15:30

Session 2: Regional Developmental issues and Regional Initiatives

Session Chairman: **Miloud Ameziane (ITU Arab Regional Office, Cairo)**

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 for Arab Region: **Ahmed Elhefnawy (ITU Arab Regional Office, Cairo)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- ITU-D Activities on Broadband and NGN: **Riccardo Passerini (ITU/BDT)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- A primary-research based overview of the Arab telecom and broadband markets: **Jawad J. Abbassi (Arab Advisors Group)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]

Coffee-break:

15:30 – 16:00

16:00 – 17:30

Session 3: ITU Standardization Activities on NGN and Broadband

Session Chairman: Marco Carugi (ZTE Corporation)

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:

- **Bridging the Standardization Gap: Venkatesen Mauree (ITU-TSB)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- **ITU-T Standardization on NGN: Venkatesen Mauree (ITU-TSB)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- **ITU-R Standardization of IMT-Advanced: Colin Langtry (ITU-BR)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]

Day 2 (14 December 2010)

08:30 – 11:00

Session 4: Bridging the Digital Divide by Broadband

Session Chairman: **Natasa Gospic (University of Belgrade)**

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:

- Accessibility considerations in ITU Recommendations concerning NGN and future networks: **Leo Lehmann (Vice-Chairman ITU-T SG-13)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- NGN and Broadband Planning Tools: **Ignat Stanev (Assoc. Professor, HCTP, Bulgaria, ITC Member)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Broadband Wireless Standards: **Colin Langtry (ITU-BR)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Mobile Internet Evolution: **Hosein F. Badran (Cisco Systems Int.)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Broadband: Changing the game: **Hani Elgebaly (Intel Egypt)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]

Coffee-break: 11:00 – 11:15

11:15 – 13:30

Session 5: Trends of NGN Technology and Migration Aspects

Session Chairman: **Ignat Stanev (Assoc. Professor, HCTP, Bulgaria, ITC Member)**

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.

- IP Interconnect Next Gen Interconnect topologies and enabling new service models: **Tim Ward (NEUSTAR)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Next Generation Networks - Technology, Architecture, Applications: **Satya N. Gupta (BT Global Services)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Principles for the management of NGN: **Natasa Gospic (University of Belgrade)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- NGN Migration Strategies and Scenarios per Network Segment: **Oscar Gonzalez-Soto (ITU-D Consultant)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Transition from PSTN to NGN: Possible scenarios: **Arnaud Braud (France Telecom Orange)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]

Lunch break: 13:30 – 14:30

14:30 – 16:30

Session 6: Interconnection, Interoperability and Security Aspects in NGN

Session Chairman: Riccardo Passerini (ITU-BDT)

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 model network methodology for NGN testing: Approach of service and QoS Testing: **Denis Andreev (ZNIIS)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- The International Testing Center Project. Approaches of Testing Labs creation. Purposes, task and facilities of Testing Labs: **Denis Andreev (ZNIIS)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Conformance and Interoperability: WTSA-08 - Res. 76 and PP-10: **Venkatesen Mauree (ITU-TSB)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Traffic Trends and QoS in NGN: **Oscar Gonzalez-Soto (ITU-D Consultant)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]

Coffee-break: 16:30 – 16:45

16:45 – 19:00

Session 7: NGN and Broadband: Policy and Regulatory Issues

Session Chairman: Stewart White (KPMG)

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:

- Broadband Policies and Regulation: **Turhan Muluk (Intel)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Emerging Trends in Broadband Policy and Regulation - Case Study from Emerging Market: **Satya N. Gupta (BT Global Services)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Emerging Trends in NGA Policy and Innovative Financing Models - NGN Interconnection Case Study from Emerging Market: **Satya N. Gupta (BT Global Services)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION: Part 1 - Part 2](#)]
- How supportive regulations can help loosen the backbone bottlenecks and foster broadband and NGN deployments: **Stéphane Lecomte (Alcatel-Lucent)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Next Generation Access Regulation and Trends: **Gamal Hegazy (Alcatel-Lucent)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- On the Road to 3rd Generation Regulation: **Essam Mitwally (Saudi Telecommunications Company)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]

Day 3 (15 December 2010)

08:30 – 10:30

Session 8: Services and applications offered by NGN and Broadband

Session Chairman: **Amr Abdel Rahim Abdallah (Consultant in Technology)**

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:

- Universal Service Wireless Broadband Opportunities and Challenges: **Natasa Gospic (University of Belgrade)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Service Delivery Platforms and Cloud Technology in Next Generation Networks and Services: **Marco Carugi (ZTE Corporation)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- The role of utility providers in the broadband market: **Mark Norris (Intercai Mondiale)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- IP Multimedia Subsystem and IP enabled services: **Denis Andreev (ZNIIS)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]

Coffee-break: 10:30 – 11:00

11:00 – 13:00

Session 9: Market Opportunities and Challenges

Session Chairman: **Amr Hashem (Nile Ventures)**

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:

- NGN Deployment in Developing Countries: **Natasa Gospic (University of Belgrade)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Emerging Trends in Infrastructure Sharing for Broadband Deployment: **Satya N. Gupta (BT Global Services)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Where is the growth coming from and what do we need to do about it?: **Jeremy Foster (UMTS Forum)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Case Study on Economic Impact of Broadband Implementation: **Ignat Stanev (Assoc. Professor, HCTP, Bulgaria, ITC Member)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]

Lunch break: 13:00 – 14:00

14:00 – 15:30

Session 10: Challenges and opportunities facing Broadband Wireless

Session Chairman: **Natasa Gospic (University of Belgrade)**

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:

- Business Planning Case for triple play enabling access: **Oscar Gonzalez-Soto (ITU-D Consultant)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Developing NGN Regulatory Ecosystem for Emerging Markets: **Satya N. Gupta (BT Global Service)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Case Study on Broadband Access Network Planning: **Ignat Stanev (Assoc. Professor, HCTP, Bulgaria, ITC Member)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]
- Planning for Mobile Broadband: connecting all users: **Ross Bateson (GSMA)**
[[BIOGRAPHY](#) | [ABSTRACT](#) | [PRESENTATION](#)]

Coffee-break: 15:30 – 15:45

15:45 – 17:00

Session 11: Panel Discussion

Ways Forward: How to foster the development of NGN and Broadband in the Region?

Session Chairman: **Dr. Amr Badawi (Executive Director, NTRA, Egypt)**

Moderator: t.b.d.

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

Panelists: t.b.d.

17:00 – 17:30

Closing Ceremony

- Closing remarks: ITU/BDT
- Closing remarks: Host country