AFRICAN ADVANCED LEVEL TELECOMMUNICATIONS INSTITUTE (AFRALTI)

WORKSHOP OUTLINE

Title: **NEXT GENERATION NETWORKS**

Dates: **20th – 24th September 2010Sept 20th -24th**

Venue: **Accra, Ghana**

Cost: **Participants ex AFRALTI Member States - US$ 1,000.00 per person**

Participants ex Non Member States - US$ 1,200.00 per person

TARGET AUDIENCE:

This course is designed for Telecommunication Engineers, Managers and Support Engineers and Technicians within the telecommunications industry and those who require the necessary understanding of the evolving mobile and cellular communication.

DESCRIPTION:

The telecommunications and computer networks industry has undergone remarkable changes over the last several years. Data traffic has already outstripped voice traffic and projections are that data will be around five times more than voice. The increase in packet data traffic over voice traffic and the ubiquity of the internet has obliged the International Telecommunications Union (ITU) and other players to define a new network model that modern telecommunications and computer networks should gravitate towards. The fact that it is the ITU and not the Internet Engineering Task Force (IETF) that has spearheaded the development of the new model means that traditional telecommunications personnel need to be adequately equipped.

A next generation network is a multi-service network that supports voice, data and video and embodies: open interfaces, packet mode technology, mobility, flexibility, simplified Operations Administration and Maintenance, guaranteed quality of service and security. With implications on operational and capital expenditures, this model extends its technical appeal to business people. With a fair amount of perceptible stability, the next generation networks now constitute the new generation networks.

This workshop provides a thorough understanding of the New Generation Networks, broadband infrastructure, wireless innovations, network routing and switching, Digital Broadcasting and a brief introduction to NGN Regulation.

WORKSHOP OBJECTIVES:

The objective of this workshop is to present the basic technical features, applications, and business implications of new and emerging network technologies. Specific objectives include developing for each participant:

- ✓ A comfortable understanding of applicable terminology, which is critical to a successful learning experience.
- ✓ An appreciation that appropriate network performance is always the result of deliberate, continuing management and reengineering efforts -- never a one-time design initiative.
- ✓ An understanding of the process of evaluating technologies with a view to judging their suitability for specific purposes, and recognizing associated risks.

WORKSHOP TOPICS:

- ❑ NGN architecture and motivation
- ❑ NGN evolution and migration
- ❑ The Economics of NGN, economic modeling
- ❑ Description and Qualifications of New Services
- ❑ Introduction to Wimax
- ❑ Ipv6: Next Generation IP – Qos , Security & Mobility support

FACILITATOR BRIEF:

Mr. Mohamed Noorani is an international expert in telecommunications, data communications and networking and has been actively involved in the industry since 1981. He holds a Bachelors Degree in Electrical Engineering and is a licensed and registered Engineer in his home country, Kenya. He is also a Cisco Certified Network Associate and a Microsoft Certified Systems Engineer.

Mr. Noorani has taught telecommunications technology and data communications training seminars to wide acclaim across Africa since 1991, and has a broad experience working as an engineer in the telecommunications industry.

He worked for Kenya telecommunications as a Project Planning Engineer for ten years on projects including Digital Voice and Data Networks, on Signalling System No. 7, X 25 Packet Switching Network for the Kenya Data Network and many other projects in capacities ranging from detailed Project Design and Implementation to Project Leader.

Currently, Mr. Noorani is the Head of Network Planning and Management at the African Advanced Level Telecommunications Institute (AFRALTI) specialising in developing and conducting training programs in Broadband Wireless technologies, CCS No 7, VSAT Networks, Network Planning, Telecommunications Network Management, IP networks and Convergence, GSM Wireless Technologies such as CDMA and WiMAX, Circuit, Packet and Ethernet switching, VoIP, Next Generation Networks and IP networking over Satellite.

Register Now!!

For more information, please contact us on :

Tel: **+254 20 444 06 33/34, +254 710 207 061, + 254 733 444 421**

Email: **jane.mahui@afralti.org or jane.mahui@ties.itu.int or andrew@afralti.org**