



MIGRATION FROM ANALOG TO DIGITAL BROADCASTING

7th - 11th July 2009

Mangochi, Malawi

The International Telecommunications Union (ITU), a United Nations Agency based in Geneva Switzerland has set June 2015 as the deadline for TV stations all over the world to migrate from Analog to Digital transmission. It is therefore crucial that ICT stake holders and citizens are made to understand the concepts, technology, implication and Regulatory standards of Digital Broadcasting.

The Purpose of this Course is to help participants better understand digital broadcasting techniques, regulatory framework, policies, standards and transition models that they can use to implement digital broadcasting systems in their respective organizations.

Who should attend:

- TV and Radio Broadcasters
- ISPs and Content Providers
- The Media Industry
- Broadcast Equipment Resellers
- Ministries
- Telecoms Operators
- Regulatory Authorities

Why should you attend:

The course will have these objectives:

- Prepare organizations in their efforts towards the transition from Analogue to Digital Broadcasting systems
- Create awareness and help the participants formulate better strategies for their networks and make better choices of the technologies
- Provide a forum for participants to compare notes with other organizations that have already tested or are in the process of implementing these technologies.
- Enable participants learn about digital broadcasting standards, regulatory framework and transition models
- Showcase new applications, products, services and the market ahead for digital broadcasting
- Conduct business simulation for digital broadcasting
- Learn about successful case studies from other countries

Course Details

Technology Part

- Radio Propagation Principles
- Radio and TV broadcasting Systems
- Digital Audio processing
- Digital Radio Broadcasting
- Intellectual property rights
- Cable broadcasting systems
- Satellite broadcasting systems
- IP TV and Video Streaming
- Computer applications in Broadcasting
- Broadcasting over the Internet

Regulatory Part

- Broadcast Frequency Planning and Management
- Transition models for analog to digital migration
- Opportunities and challenges in migration from analog to digital
- ITU-R and ETSI Digital Broadcasting Standards
- Digital Broadcasting Regulatory Framework

Business simulation Part

- The Market for digital broadcasting
- Economic analysis for digital broadcasting systems
- Case studies of digital broadcasting from other operators
- Groups Case studies:
 - Formulation of a "Digital Broadcasting Regulatory Framework "
- Technical visit to TV and FM Broadcasting Studio and transmitter station
- Panel discussion with representatives from :
 - Government, Regulators, Broadcasters, PSTN, Mobile operators, Media, Content developers and Citizens
- Report of the Workshop and Way Forward

DIPL.ING. JARED BARAZA OCHIENG**Education:**

Graduated in 1987 with Diplom Ingenieur Degree in Electronics Engineering from Coburg University of Applied sciences, Bavaria Germany. Specialization in Communication engineering.

Thesis : Comparative analysis of modern desktop computer operating systems; PCDOS, MSDOS, Unix, Zenix.

Work experience:

- Dr Rienecker GmbH , Herzogenaurach Germany as applications Engineer for RF Systems from 1985 to 1987. Developed optical transmission systems for robotic controls.
- Directorate of civil aviation in Kenya as planning and maintenance engineer for communication and air safety systems at Nairobi airport from 1987 to 1988
- Telkom Kenya as Engineer in research, network planning, training from 1988 to 2005. Was also lecturer in telecommunication subjects at Kenya college of communication technology (KCCT).
- Since 2005 Lecturer at Kenyatta University in Communication studies and doing PHD in Engineering.
- Has been cooperating and participating in ITU activities such as IMT 2000, ECDC project, Telemedicine program, E- government and network studies.
- Is a member of UN ICT Task Force, International Telemedicine Society, Global knowledge Partnership, VDE, IEEE , Engineers Without Borders.
- The Director of Engineers without borders International, a not for profit organization dealing with the improvement of less fortunate members of societies in developing countries.

Research experience:

Has conducted research in the following:

- Radio propagation research at ICTP, Trieste Italy
- Wireless networking at ICTP, Trieste Italy
- Research in optical and laser Physics at Cape Coast University Ghana
- Lightning surges and transients at Telkom Kenya R&D
- Telehealth and telemedicine program of ITU
- ECDC project of ITU
- IMT 2000
- SRII Project in SADC/SATA countries DRC, Angola ITU/BDT feasibility study 2005
- Electromagnetic interference and effect on humans- Kenyatta University
- Currently doing research towards a PHD degree in Electromagnetic and Gravitation at Kenyatta University in Nairobi Kenya.



REGISTRATION FORM

MIGRATION FROM ANALOG TO DIGITAL BROADCASTING

7TH - 11TH JULY 2009

MANGOCHI, MALAWI

Please Register me for this Course

Registration closes on 26th June, 2009

Personal Details

Title: _____

First Name/s: _____

Last Name _____

Organization: _____

Job Title: _____

Address: _____

City: _____ Country _____

Tel: _____ Mobile _____

Fax _____

Email _____

HOW TO REGISTER

1) Fill in and Fax this form back to +254-20-4444483

or

2) Register Online
www.afralti.org

or

3) Email /Call

Josephine Towett
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Tel: +254 20 4440633/4
+254 710 207 061

- Course fees 850 USD*
- AFRALTI Member States : 10% Discount

* Course Fees Includes Training Program, material, lunch and refreshments.

All Delegates are responsible for their travel and accomodation arrangements.

How to Pay : By Bank Transfer
Standard Chartered Bank
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P O Box 14438
Nairobi, Kenya
Account No : 870 809 6935 200
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