

Next Generation Markets and Technologies

28 September - 02 October 2015,
Monrovia, Liberia



COMMONWEALTH
TELECOMMUNICATIONS
ORGANISATION



Overview

Due to the high demand for data services, telecommunications networks have been expanding rapidly in the recent years. Similarly, mobile technologies are undergoing major enhancements. Operators are beginning to deliver superfast broadband services whilst many more are preparing to follow the same steps. Transition to next generation networks will however, not be as simple as flipping a switching. This requires extensive and complex preparations in staff training involved in all aspects of such networks.

For more information
about this course, or to
register, contact us on:
Tel: +44 (0) 208 600 3800
Fax: +44 (0) 208 600 3819
Email: h.muchando@cto.int

OBJECTIVES

This five-day training programme will provide an excellent opportunity for delegates to get a broad understanding of next generation technologies, including basic knowledge about commercial and regulatory principals. Most importantly, this course will cover practical aspects of design, deployment and operation of NGNs. Non-engineers will also benefit by learning the key principals and essential concepts required for decision making.

TARGET AUDIENCE

This course is primarily designed for those who desire to expand their knowledge in NGN. Engineers and non-engineers who support and make decisions related to NGNs will find this course very useful. Staff members working in areas related to various telecommunication functions such as network design, planning, rollout, optimisation, operations and project management will find this course extremely useful for their day to day work.

COURSE OUTLINE

- Introduction and legacy networks
- Drivers and motivation behind NGN
- Introduction to NGN
- Convergence
- NGN migration and future directions
- Commercial implication on NGN
- Introduction to mobile networks
- Fundamentals of wireless access
- 3G and HSDPA
- Introduction to LTE
- LTE Radio network
- Evolved Packet System (EPS) overview
- LTE Physical layer
- Radio Resource Management (RRM)
- Planning and design aspects of LTE radio network
- Network performance and optimisation
- Introduction to transport network
- What happens when you make a call
- Services, applications and user experience
- Regulatory principals
- Standardisation
- Practical aspects
- Future directions

COURSE TRAINER

Jabulani Mdaka

Mr Mdaka is one of Africa's most experienced experts on design and maintenance of fibre based networks. Currently he is working as training and development practitioner for Telkom South Africa, where he specialises in construction and maintenance of both copper and optical fibre access networks. In addition, Mr Mdaka has extensive knowledge of under – sea optical fibre cable that links most African countries and extends to Europe and Asia. Besides fixed networks, he is also an expert in installing and maintaining WIMAX CPE, ISDN and ADSL technologies. He has facilitated numerous copper and optical fibre access network related courses in a number of countries in Africa, the Pacific and Seychelles. Mr Mdaka has been involved in training and development activities since 1996. He is a qualified training and development practitioner with the South African Qualification Authority and is also an experienced assessor and moderator of the Information Systems Electronics Telecommunications Technology Sector Education Training Authority of South Africa. Commonwealth Telecommunications

INTERNATIONAL COURSES	DATE	LOCATION	DURATION
Telecommunications Finance for Non Finance	November 2 - 6, 2015	Johannesburg, South Africa	5 days
Building Consumer Advocacy in the Telecommunications	November 2 - 6, 2015	Port of Spain, Trinidad & Tobago	5 days
Licensing in a Converged Environment	November 2 - 6, 2015	Johannesburg, South Africa	5 days
Broadband Technologies and Multimedia Services	November 16 - 20, 2015	Gaborone, Botswana	5 days
Analogue to Digital Broadcasting Switchover	November 23 - 27, 2015	Johannesburg, South Africa	5 days
Introduction to IPTV	January 18 - 22, 2015	Johannesburg, South Africa	5 days

Registration Form

Personal Details

Mr/Mrs/Ms/Other _____ First Name _____ Last Name _____
 Job Title _____
 Organisation _____
 Address _____
 City _____ Postcode _____ Country _____
 Tel. _____ Mobile _____ Fax _____
 E-mail _____
 Authorising Line Manager's Name _____
 Authorising Line Manager's E-mail _____

Event ID: 8198 23 October 2015

REGISTRATION DEADLINE

3 SIMPLE WAYS TO REGISTER!

Fill in and fax this form back at
+44 20 8600 3819

Call the programme team at
+44 20 8600 3800

E-mail the programme team at
programmes@cto.int, quoting the course
"Event ID" above.

NEED HELP?

Call us now on +44 20 8600 3800
or e-mail the Programmes team at
programmes@cto.int

Payment Options

1. Select Delegate Rate (please refer to the list of CTO members/PDT Partners provided overleaf)

	Standard Rate	Early Registration by: 18 September 2015
CTO Members	<input type="checkbox"/> £750	<input type="checkbox"/> £700
Others	<input type="checkbox"/> £1,150	<input type="checkbox"/> £1,100

2. Payment Mode (choose from either Invoice, Bank Transfer, Cheque, or Credit Card)

Invoice

Invoice me at the above address
(Discounts do not apply, payment
must be received by us prior to the above
event's start date)

Bank Transfer

To: Coutts & Co., 440 Strand, London WC2R 0QS, UK
A/c Name: CTO; A/c Number: 83675071
Reference: GB72COUT18000208367507
Sort Code: 18-00-02; Swift Code: COUT GB22

Cheque

Cheque enclosed,
payable to "CTO HQ"

Credit Card: Visa / Mastercard (circle as appropriate)

Card Holder's Name _____

Card Holder's Billing Address (if different from above) _____

Card Number

Valid From / Expiry Date / 3-digit security code on back of card

Signature

Date _____ Name _____ Signature _____

Additional Information

To help us improve our services to you and your organisation, please tell us more about you and your organisation.

Your role in the organisation

- Strategic/executive
 Planning
 Control
 Operational

Your area of work in the organisation

- Business development
 Corporate affairs
 Customer service and care
 Engineering and technical management
 Financial, purchasing and investor relations
 IT/IP management
 Marketing and sales
 Public relations and corporate communications
 Regulatory and legal affairs
 Telecoms network management
 Human resources
 Other

Your organisation type

- Government
 Regulator
 Operator
 Manufacturer
 Other

Your organisation's service areas

- Fixed network/services
 Mobile/wireless network/services
 Satellite network/services
 Internet
 Broadcasting
 Value-added services
 Support
 Other services

Summary Terms and Conditions

The CTO will endeavour, as can be reasonably expected, to ensure that the course is delivered to meet delegates' expectations. Registration is subject to availability and payment received by the deadline where specified, or else before the course start date, whichever applies. Dates may be subject to changes. Travel, accommodation, daily transportation to venue, subsistence and other costs are the sole responsibility of the delegate and are not included in the above fees. Applicants are responsible for their visa arrangements and other formalities wherever required. Course bookings may be cancelled at the discretion of the CTO or its partners. Applicants paying by bank transfer are responsible for bank charges and any other such costs and should ensure the exact amount in GBP Sterling is credited in the CTO bank account. Applicants requiring additional information prior to their booking should ensure they provide sufficient time before the booking deadline. Cancellation rules apply, as summarised below. For a full version of our Ethical Framework or our Terms and Conditions, please visit our website at www.cto.int

Cancellations / Refunds

For delegate cancellations/withdrawals, the following refund rules apply:
 - 31 days or more prior to event: the full amount less a handling charge of 10% or a minimum of £55, whichever applies
 - 30 days or less prior to event: no refund
 For CTO cancellations/withdrawals, delegates are entitled to a 100% refund within 60 days of the withdrawal/cancellation.
 Refunds will be made by bank transfer only.

Data Protection / Privacy

The CTO does not sell, rent or lease its customer information to third parties. We may, from time to time, contact you on behalf of a third party/partner about a particular offering that may be of interest to you. In those cases, your unique personally identifiable information (e-mail, name, address, telephone number) is not transferred to the third party/partner. In addition, we may share your information with trusted partners to help us perform statistical analyses, send you by e-mail or postal mail, provide customer support, or arrange for deliveries or other such services. All such third parties are prohibited from using your personal information except to provide these services to the CTO and they are required to maintain the confidentiality of your information. For more information about our privacy policy, visit our website at www.cto.int.

Fax it back to +44 20 8600 3819, or return to the CTO at programmes@cto.int.