



**Postal and Telecommunications Regulatory Authority
of Zimbabwe (POTRAZ)**



**African Advanced Level Telecommunications Institute
(AFRALTI)**

TITLE: HSPA/LTE NETWORK PLANNING TRAINING WORKSHOP
DATES: 22 - 26 FEBRUARY 2016
VENUE: TROUTBECK RESORT, NYANGA, ZIMBABWE
COURSE FEE: AFRALTI MEMBERS: USD1,200; NON-MEMBERS: USD1,440

Course Overview:

The HSPA/LTE network planning covering detailed description of the LTE radio interface and procedures; MIMO technologies in 3GPP LTE and LTE-Advanced, the different Multiple input multiple outputs (MIMO) Technologies. The LTE system Architecture and Protocols, HSPA/LTE spectrum planning me, the standard FDD and TDD bands allocated for HSPA/LTE; Presentation of the main challenges in adoption and deployment of HSPA/LTE networks, . LTE ecosystems including the main equipment suppliers devices.

The Key technology & business drivers, including: higher spectral efficiency, all-IP network, Self Organizing Network (SON), Multiple-Input Multiple-Output (MIMO), high spectrum flexibility and scalability, high peak data rates, low latency, network sharing, lower costs per bits, improved user quality of experience. Principles, motivations, and key requirements for LTE; overview of LTE releases 8, 9, and 10.

Target Audience:

- Senior and middle level business and technical managers working for mobile operators and other ICT service providers
- ICT regulators and policy makers
- Equipment vendors
- ICT consultants and analysts.

Please visit our website, www.afralti.org and www.potraz.gov.zw for more details. You can also contact us at:

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**African Advanced Level Telecommunications Institute
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TITLE: ICT FOR NON-TECHNICAL STAFF TRAINING WORKSHOP
DATES: 29 FEB - 4 MAR 2016
VENUE: TROUTBECK RESORT, NYANGA, ZIMBABWE
COURSE FEE: AFRALTI MEMBERS: USD1,200, NON-MEMBERS: USD1,440

Course Overview:

This course provides a conceptual understanding of the architecture, leading technologies and operations of 2G/3G/4G wireless and converged IP networks. The course demystifies the terminology and acronyms commonly used in the wireless industry and helps in understanding the dependencies and interactions with other parts of the network. The course begins with a "Big Picture" of communications network. It then focuses on wireless technologies such as GSM/GPRS/UMTS/HSPA+, 1x/1xEV-DO, LTE, LTE-A and explains their operations and supported services. Participants will learn life of a mobile in a typical wireless network and the roles of various wireless network components and operations of services like SMS, MMS, Web browsing, VPN, email and others.

Target Audience:

The course is for participants with little or no wireless knowledge. The diverse nature of this course makes it suitable for beginners in various organizations, including those in project management, sales, marketing, finance, system design, system test, systems and network engineering, product planning, management, support and operations.

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