



# Topic :The Need for Collaboration Between the Industry, Academia and other ICT Players – AFRALTI Experience

## Presenter:

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# FORUM OF THE ACADEMIA AND THE ICT INDUSTRY IN THE EAST AFRICAN REGION

20<sup>th</sup> June 2016  
Kigali, Rwanda

**Case Study: African Advanced Level  
Telecommunications Institute  
(AFRALTI) with the Headquarters in  
Kenya**





# The African Advanced Level Telecommunications Institute (AFRALTI)





# 1.0 AFRALTI INFORMATION:



<b>Legal Name:</b>	<b>AFRICAN ADVANCED LEVEL TELECOMMUNICATIONS INSTITUTE (AFRALTI)</b>
<b>Legal Association:</b>	<b>INTERGOVERNMENTAL ORGANISATION (IGO)</b>
<b>Head of Institute:</b>	<b>DIRECTOR</b>
<b>Registered Postal Address:</b>	<b>P. O. Box 58902-00200 City Square, Nairobi, Kenya</b>
<b>Physical Address:</b>	<b>Waiyaki Way - Nairobi, Kenya Adjacent to Nairobi Water Company/Nairobi School</b>
<b>Plot/LR No.</b>	<b>4393/16</b>
<b>PIN Certificate No:</b>	<b>P051101008W</b>
<b>VAT Registration No:</b>	<b>AFRALTI is Tax Exempt</b>
<b>Telephone:</b>	<b>+254 20 265 5011 +254 710 207 061, +254 733 444 421</b>
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<b>Web:</b>	<b><a href="http://www.afralti.org">www.afralti.org</a></b>



## 2.0 Membership :The IGA (Intergovernmental Agreement)



- ✓ A Pan-African Institution established through Resolution No.1 of the Plan Committee for Africa, Addis Ababa 1967
- ✓ Current member States:
  - ✓ Kenya (Host Country)
  - ✓ Tanzania
  - ✓ Uganda
  - ✓ Malawi
  - ✓ Zambia
  - ✓ Zimbabwe
  - ✓ Mozambique
  - ✓ Swaziland



## 5.0 The Mission:



*“To provide quality training, consultancy and advisory services to the ICT Sector in Africa”.*





## 6.0 The Vision 2017:



*“To be a Centre of Excellence (CoE) that participates actively in the economic development of Africa by developing human capacity in ICT”.*



## 7.0 Our Core Values:







## 8.0 Governing Council:

- ✓ *The supreme decision making organ of the Institute comprises of Member States representatives.*





## 9.0 Our Value Proposition:

- ✓ Extensive track record stretching 24 years of providing quality training in telecommunications and the ICT industry in Africa.
- ✓ Broad and deep expertise in designing and delivering the full range of customized training programs.
- ✓ **Large pool of recognized expertise drawn from the ICT Industry as well as the academia.**





## 10.0 TRAINING SERVICES:

AFRALTI main training areas:

- ✓ Telecommunications Services
- ✓ Technology Related Services
- ✓ Postal and Courier Services
- ✓ Media Services
  
- ✓ SCOPE
  - ✓ POLICY, REGULATIONS & OPERATIONS





# 10.1 Telecommunications Services:

## Overview:

- CoE that offers quality training, research and consulting in the areas of Mobile Networks, Satellite networks, Wireline networks and Access Networks
- Partnerships with key industry players and facilitated seminars and workshops has cemented our position as the leading training solution provider on the continent.



## Why AFRALTI?

- Offer cutting-edge wireless network training services to our clients across Africa.
- Deliver the widest range of Wireline Telecoms and Wireless training courses such as Fixed Broadband, Next Generation Networks, Fiber Optics, GSM, GPRS, 3G, LTE (4G), Traffic Engineering, Network Planning and Management, QoS Monitoring, Network Optimization, Infrastructure Rollouts, Energy Solutions (off-grid solutions standby systems), Fiber Optics Network Design, Operations and Maintenance, and many more
- Offer a variety of training options including onsite, virtual, self-paced eLearning, and open training events
- Provide advisory/consultancy services in provision of telecommunication services in Rural and underdeveloped areas, decommissioning of networks, choice of power provision for the operation of telecommunications equipment

## Audience:

- Regulators,
- Internet Service Providers
- Mobile and Fixed Network Operators, Broadcasters,
- Content and Value Added Service Providers
- Ministry of Defense
- Ministry of ICT
- National Police Services

## Competitive Differentiators:

- Highly motivated and trained experts to meet the challenges of highly dynamic industry
- Offer vendor neutral advisory services fully committed to working in the best interest of our clients
- Active partnership with the Industry giants such as ITU, GSMA, CISCO, HUAWEI, and FOA enabling us to provide the latest information in this dynamic industry.



## 10.2 Technology Related Services:

### Overview:

- CoE that offers quality training, research and consulting in the areas of Internet Technologies that include Cyber Security, NGN, etc...
- Partnerships with key industry players and facilitated seminars and workshops has cemented our position as the leading training solution provider on the continent.



### Why AFRALTI?

- Offer leadership in IP technologies in partnership with Cisco and Huawei through their flagship certifications qualifications.
- Driving adoption of cloud computing through partnerships with Cloud Credentials
- Agitation for adoption of Cyber Security by users in partnership with EC Council, ITU, and other progressive entities at the forefront of combating Cyber Crimes.
- Offer a variety of training options including onsite, virtual, self-paced eLearning, and open training events
- Provide advisory/consultancy services in compliance interventions to changing technological dictates like IP6 migration, DTT.

### Audience:

- Regulators,
- Internet Service Providers
- Mobile and Fixed Network Operators, Broadcasters,
- Content and Value Added Service Providers
- Ministry of Defense
- Ministry of ICT
- National Police Services

### Competitive Differentiators:

- Extensive track record in developing and quality delivery of the ICT programmes that are benchmarked with the industry standards
- Face to face, virtual, and self-paced online trainings.
- Our expertise are highly focused, trained, and motivated with all our professionals being certified in their areas of specialization.



## 10.3 Media Services:

### Overview:

- A wide range of training workshops/seminars are on offer in areas of Broadcasting, and Content Development

### Why AFRALTI?

- Wide range of tailor made training in a range of areas of ICT endeavor
- Business Cases/models for the new media industry
- Provide advisory/consultancy services in areas such as content development

### Audience:

- Regulators
- Telecom Operators
- Internet Service Providers
- Policy Makers.
- Journalists
- Media Personnel
- Broadcasters
- Content Producers



### Competitive Differentiators:

- Highly experienced facilitators with relevant industry experience.
- Partner with Industry Associations with extensive experience and knowhow to deliver training programmes



## 11.0 Training Partners:



### 11.1 International Partners:

- International Telecommunication Union (ITU)
- CISCO (USA)- Networking Technologies
- Commonwealth Telecommunications Organization (CTO)
- Huawei Technologies Company Ltd.
- Fiber Optic Association, Inc (FOA)
- United Kingdom Telecommunications Academy (UKTA) – offering eMCM and eLLM in ICT Laws
- Pearson VUE
- Prometrics
- Global VSAT Forum
- Tech Equity (UK)



## 11.0 Training Partners:

### 11.2 Regional Partners:

- Governments of Member States
- Governments Ministries
- East African Communications Organisation (EACO)
- Southern Africa Telecommunications Association (SATA)
- The Communication Regulators' Association of Southern Africa (CRASA)







## 11.0 Training Partners:

### 11.3 Collaborating Partners:

- Ghana Telecommunication University College (GTUC)
- Uganda Institute of Communications Technology (UICT)
- Telecommunicacoes de Mocambique (TDM, Mozambique)
- Gambia Telecommunications and Multimedia Institute (GTMI, Gambia)
- Uganda Technology and Management University (UTAMU, Uganda)
- State University of Zanzibar (SUZA)
- Open University of Tanzania (OUT)





## 12.0 Our Clients:

- Individuals participants (For certification programmes)
- Non-Governmental Organizations (NGOs)
- Financial Services Sectors
- Internet Service Providers (ISPs)
- ICT Operators
- ICT Regulators
- Government Ministries
- County Governments





## 13.0 International Recognition and Certification:



### 13.1 Cisco Academy Support Centre (ASC) for Eastern Africa:

- ✓ CISCO Academy Training Centre (CATC) for Eastern and Central Africa (2008).
- ✓ Academy Support Centre (ASC) serving the East Africa region for countries namely; Kenya, Uganda, Tanzania, Rwanda, Burundi, Ethiopia, Eritrea and Somalia.
- ✓ Certificates on offer
  - ✓ *Cisco Certified Network Associate (CCNA), CCNA Voice, CCNA Security*
  - ✓ *Cisco Certified Network Professional (CCNP), CCNP Security*
  - ✓ *Cisco Certified Interwork Expert (CCIE)*
  - ✓ *Certified Information Systems Auditor (CISA)*
  - ✓ *Certified Information System Security Professional (CISSP)*



## 13.0 International Recognition and Certification:



### 13.2 ITU Centre of Excellence (CoE)

- ✓ First node under the ITU Centres of Excellence (CoE) in Africa with successfully projects undertaken.
- ✓ Chaired the CoE Steering Committee (2012) that manages the CoE Phase 2 project.
- ✓ AFRALTI competitively selected as a node in the new Centres of Excellence (CoE) 2015-18 project.
- ✓ COE node on **Spectrum Management and Broadband Access**
- ✓ Currently working on Spectrum Management Training Programme (SMTP).



## 13.0 International Recognition and Certification:



### 13.3 Huawei Authorized Learning Partner (HALP)

- ✓ One of the 2 HALPs in Africa to support Huawei Enterprise Business activities; other one based in South Africa.
- ✓ Certificates on offer
  - ✓ *Huawei Certified Datacom Associate (HCDA)*
  - ✓ *Huawei Certified Datacom Professional (HCDP)*
  - ✓ *Huawei Certified Datacom Expert (HCDE)*



## 13.0 International Recognition and Certification:



### 13.4 Fiber Optic School (FOS)

- ✓ Launched Fiber Optic Association, Inc. (FOA) School (2013) with FOA Approved School No. 758 with course offerings that are both theoretical and practical.
- ✓ Certificates on offer
  - ✓ ***Certified Fiber Optic Technician (CFOT)***
  - ✓ ***Certified Premises Cabling Technician (CPCT)***
  - ✓ ***Certified Fiber Optic Specialist/Design (CFOS/D)***
  - ✓ ***Certified Fiber Optic Specialist /Home (CFOS/H)***



## 14.0 Conclusion:



- ✓ Academia needs to engage experts from the Industry to supplement their initiative of human capacity development in ICT.
- ✓ Academia needs to collaborate with the industry to seek for practical exposure of their trainees.
- ✓ ICT Industry is encouraged to invest in training institutions in terms of labs for training and research.
- ✓ ICT Industry needs to know that better prepared trainees will result in better performance of their industry.



**THANK YOU!**