



AFRICAN ADVANCED LEVEL TELECOMMUNICATIONS INSTITUTE

TRAINING WORKSHOP OUTLINE

Title: Emergency Telecommunications
Dates: 27th December to 3rd January 2018
Venue: AFRALTI, Nairobi, Kenya

Course Overview: Disasters disrupt national economies, severely weaken the poor and vulnerable and are recognized as major impediments to sustainable development and reduction of poverty especially in least developed countries and small island developing states. When disasters strike they leave a legacy of lost or broken lives and economic damage. The impact is even worse for those living in remote and isolated areas with no access to basic information and communication facilities that are essential to providing vital alerting information. The course will provide understanding of the nature and challenges of providing emergency telecommunications and participants will have appreciation how best to ensure their countries have adequate emergency telecommunications.

Target Audience: Staff with responsibilities connected with planning, usage, evaluation, or survey of emergency Telecommunications systems or their vulnerabilities.

Pre-requisite/s: A college diploma or degree in ICT or related field, law, economics and related fields.

Pain Points: Emergencies cause human suffering which cannot be measured in figures and its enormity is often beyond our imagination even when news reaches every corner of the world in real time. Timely and adequate response to emergencies depends upon timely availability of accurate information from the site however far and remote it might be. Reliable emergency telecommunications systems are indispensable for the mobilization and logistics to carry assistance to the victims of the emergency.

Value Proposition: Telecommunications is critical in all phases of an emergency. It can be used to alert people on an impending danger thus making it possible to take necessary precautions to mitigate the impact of the danger. Even when a disaster strikes often destroying most infrastructures, emergency telecommunications play a critical role in coordinating relief efforts.

Methodology: The course will be offered by slide presentation with projector followed by sharing of actual experiences and discussions.

Workshop Objectives: To provide understanding of the nature and challenges of providing emergency telecommunications.

Workshop Learning Outcomes: Participants will better understanding of Emergency Telecommunications and have appreciation how best to ensure their countries have adequate emergency telecommunications.

Workshop Contents/Topics:

- Introduction
- The International Regulatory Framework of Emergency Telecommunications
- Development of National Emergency telecommunications concept
- The role of various Communication Networks
- Public Communication Networks (PSTN, Mobile phones, satellite
- The Internet
- Private Networks (Land, Maritime and Aeronautical Radio Services, VSAT)
- Amateur Radio Service
- Broadcasting
- Emerging technologies
- General technical Considerations (Reliability, interoperability, radio communications, power, trunked radio systems)
- Universal Access
- Radio Spectrum
- Impact of New Technologies on Regulation

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