AFRICAN ADVANCED LEVEL TELECOMMUNICATIONS INSTITUTE (AFRALTI)

TRAINING WORKSHOP OUTLINE

Title:	**NATIONAL ADDRESSING SYSTEM AND NATIONAL DEVELOPMENT FOR REGULATORS AND POLICY MAKERS**
Dates :	**12TH – 23RD JUNE 2017**
Duration:	**10 DAYS**
Venue:	**CITY ROYAL RESORTS HOTEL, KAMPALA, UGANDA**
Tuition Fee:	**USD1,800 for AFRALTI Member States; USD2,160 for Non-AFRALTI Members**

Course Overview: NATIONAL ADDRESSING SYSTEM IS THE KEY TO E-COMMERCE, E-FINANCE, E-NAVIGATION AND MODERN POSTAL SERVICES. Governments are shifting to e-government systems and the Internet and mobile technology has broken down barriers to communication and the way people interact and transact business. All these require ability to trace people or businesses to a location for deliveries and other services. This course will expose participants to the four components of National systems namely: Parent (Primary) addressing, Child (Secondary) addressing, Postcode system and Road signage and how they relate to national development, emergency, security, finance and postal/courier services. It will address policies that NAS requires to be put in place by the regulatory authority.

Target Audience: Communications Regulator Managers, Courier/Mail Service Regulator Managers, Road/Highway Regulator Managers, Physical Planners

Pre-requisite/s: Management Responsibility

Pain Points: Ignorance by People expected to Know about NAS

Value Proposition: Better Understanding of need for NAS and applicable policies

Methodology: Presentation/Discussions

Workshop Objectives: To provide participants with sufficient information about National Addressing System and policy framework.

Workshop Learning Outcomes: A clear understanding of role of NAS, NAS related policies and how the system works

Workshop Contents/Topics:

WEEK 1: NATIONAL ADDRESSING SYSTEM FOR REGULATORS AND POLICY MAKERS

Day 1	1. Global Perspective of NAS
	2. Role of NAS
	3. Legal Mandate
	    a. Current legal mandate
	    b. Ideal mandate for NAS
	4. NAS Components
	5. Parent (Primary) Addressing and Property Numbering
	6. Road Naming and Policy framework
	7. Placement of property number signs and Policy framework
	8. Policy framework for Parent (Primary) addresses
	9. Maps/ Zoning/Minimum stand (plot) size

Day 2	1. Child (Secondary) Addressing 2. Gated/Apartment Communities 3. Rural/Informal Settlements 4. Military/Diplomatic corps/Landmarks 5. Address assignment certificates 6. Proof of Physical address 7. Fees / charges for addresses

Day 3	1. Postcode: Distribution model and Delivery area model and Designing a postcode system
	2. Road Signage and Markings: Introduction /Policy Framework
	3. Spatial Data management / Policy Framework for NAS (Parent, Child, Postcode, Road Signage): GIS Enabled NAS App Software, Data and Imagery Sources
	4. Implementing a complete integrated NAS and related services: Strategy, Last Mile, E-commerce capacity.
	
	NAS (Spatial Data) and National Development in:
	
	GIS ENABLED NAS SOFTWARE APPS
	    a. Field data collection tools for NAS
	    b. Data collection and management GIS software
	    c. Data management and Data sharing Policy
	GIS ENABLED NAS APPS AND RELATED USES IN DEVELOPMENT RELATING TO:
	➤ POSTAL AND COURIER SERVICES: Physical address mail delivery Mapping and last mile door to door mail delivery management.
	➤ UTILITIES: ENERGY and WATER: Connectivity and usage by category Mapping/Analysis by address and area.
	➤ AGRICULTURE: Crop Mapping by address/area, Acreage estimation, Soil Nutrient Mapping
	➤ INDUSTRIAL ACTIVITIES: Industrial activity mapping by Parent Address, Source of Clients of industrial products mapping, Type of products mapping.

	• HEALTHCARE: Mapping and analysis of Medical personnel by specialty, Patient source location by Postcode, County etc., Admissions by disease, gender, age, race and Discharges: Stay, Disease outbreaks: area, number affected
	• GOVERNMENT AGENCIES: Local Government Services: Planning, Licensing, Waste Collection, Health, Education, Property Tax Rates, Water Utility, Road network, National Government Services: Citizen Registration, SIM Registration, Vehicle Registration, Census, Taxation, Electricity Supply, Road network, etc.
	• EMERGENCY RESPONDERS: Address identification, Emergency planning
	• PRIVATE SECTOR APPLICATIONS: BANKING SECTOR & SERVICES: Client sources per Postcode mapping, Risk Analysis parameters, Competition mapping and analysis, Market Demographics and Income sources.
	• PRIVATE SECTOR APPLICATIONS: INSURANCE
	    1. Client sources per Postcode mapping
	    2. Risk Analysis parameters.
	    3. Competition mapping and analysis
	    4. Market Demographics and Income sources.
	• PRIVATE SECTOR APPLICATIONS: RETAIL
	    1. Client sources per Postcode mapping
	    3. Competition mapping and analysis
	    4. Market Demographics and Income sources.

DAY 4	Practical Work (Field trip recommended): 1. Addressing Principles and Postal/Courier Service 2. Road Signage Principles as seen on the roads and properties
DAY 5	1. East African Countries Progress on NAS, 2. Adoption of GIS Applications: Pilot countries for AFRALTI/RCMRD joint NAS /GIS work. 3. Review Training Material 4. Discuss Delegates Issues

WEEK 2: NATIONAL DEVELOPMENT AND E-COMMERCE FOR REGULATORS AND POLICY MAKERS

Day 1	1. NATIONAL DEVELOPMENT AND UN SUSTENABLE DEVELOPMENT GOALS (SDGs) 2. NATIONAL DEVELOPMENT PRIORITIES Vs 17 SDGs AND MEASURABLE INDICATORS AND DATA SETS: DATA, MAPS & IMAGERY 3. NAS, GIS AND NATIONAL SPATIAL DATA INFRATRUCTURE (NSDI) 4. BENCHMARK NSDI PROJECTS 5. UN-GGIM AND Africa Chapter
Day 2	1. NATIONAL DEVELOPMENT LINK TO NAS STRATEGY AND FUNDING 2. AFRICAN DEVELOPMENT BANK HIGH FIVES PRIORITIES 3. DATA COLLECTION STRATEGY AND POLICY

Day 3	1. E-COMMERCE: GLOBAL PERSPECTIVE
	 2. E-COMMERCE TECHNOLOGY
	      a. Need for technology
	      b. Operations
	      c. E-commerce Gateway
	 3. POSTAL / COURIER SERVICES FOR E-COMMERCE
	      a. Delivery to Physical Address & Returns including Policy
	      b. Last-Mile Delivery
	      c. Collection Centers and Automated Collection Lockers
	      d. Door to Door Marketing Services and NAS
	      e. Business Hubs, Empowerment of Rural/Local Communities and Customer Care Platform
	      f. Packaging and pre-paid delivery charges model

DAY 4	1. WAREHOUSING solutions FOR E-COMMERCE
	      a. Need for Warehousing
	      b. Ownership Vs Agents
	      c. Business Model
	 2. NAS Enabled GIS Software Applications for e-commerce

DAY 5	1. East African Countries Progress on E-commerce, 2. Review Training Material 3. Discuss Delegates Issues

For more information, please contact us on
Tel: +254 710 207 061, +254 733 444 421
training@afralti.org or info@afralti.org
www.afralti.org