



AFRICAN ADVANCED LEVEL TELECOMMUNICATIONS INSTITUTE (AFRALTI)

## TRAINING WORKSHOP OUTLINE

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| <b>Title:</b>       | <b>National Addressing System, National Development and e-Commerce</b>    |
| <b>Dates:</b>       | <b>20<sup>th</sup> November to 1<sup>st</sup> December 2017</b>           |
| <b>Duration:</b>    | <b>10 Days</b>  |
| <b>Venue:</b>       | <b>Arusha, Tanzania</b>   |
| <b>Tuition Fee:</b> | <b>USD1,800 for AFRALTI Member States; USD2,160 for Non-Member States</b> |

**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:** Lack of knowledge in National Addressing System

**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

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| Day 1 | <ol style="list-style-type: none"><li>1. Global Perspective of NAS</li><li>2. Role of NAS</li><li>3. Legal Mandate and NAS Policy<ol style="list-style-type: none"><li>a. Current legal mandate</li><li>b. Ideal mandate for NAS</li><li>c. NAS Policy Formulation</li></ol></li><li>4. NAS Components</li><li>5. Parent (Primary) Addressing and Property Numbering</li><li>6. Road Naming and Policy framework</li><li>7. Placement of property number signs and Policy framework</li><li>8. Policy framework for Parent (Primary) addresses</li><li>9. Maps/ Zoning/Minimum stand (plot) size</li></ol>  |
| Day 2 | <ol style="list-style-type: none"><li>1. Child (Secondary) Addressing</li><li>2. Gated/Apartment Communities</li><li>3. Rural/Informal Settlements</li><li>4. Military/Diplomatic corps/Landmarks</li><li>5. Address assignment certificates</li><li>6. Proof of Physical address</li><li>7. Fees / charges for addresses</li></ol>   |
| Day 3 | <ol style="list-style-type: none"><li>1. Postcode: Distribution model and Delivery area model and Designing a postcode system</li><li>2. Road Signage and Markings: Introduction /Policy Framework</li><li>3. Spatial Data management / Policy Framework for NAS (Parent, Child, Postcode, Road Signage): GIS Enabled NAS App Software, Data and Imagery Sources</li><li>4. Implementing a complete integrated NAS and related services: Strategy, Last Mile, E-commerce capacity.</li><li>5. GIS : Geographic Information Systems<ol style="list-style-type: none"><li>a. NAS (Spatial Data) and National Development</li><li>b. GIS ENABLED NAS SOFTWARE APPS<ol style="list-style-type: none"><li>i. Field data collection tools for NAS</li><li>ii. Data collection and management GIS software</li><li>iii. Data management and Data sharing Policy</li><li>iv. Analytics and Applications of GIS in Public and Private Sector</li></ol></li></ol></li></ol> |
| DAY 4 | Practical Work (Field trip recommended): <ol style="list-style-type: none"><li>1. Addressing Principles and Property Numbering</li><li>2. Road Signage Principles as seen on the roads and properties</li></ol>   |
| DAY 5 | <ol style="list-style-type: none"><li>1. Group Work<ol style="list-style-type: none"><li>a. NAS Components</li><li>b. NAS Policy</li><li>c. NAS Standards</li></ol></li><li>2. African Countries Progress on NAS,</li><li>3. Pilots in African countries.</li><li>4. Discuss Delegates Issues relating to Implementation of NAS</li></ol>   |

## WEEK 2: NATIONAL DEVELOPMENT AND E-COMMERCE

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| Day 1 | <ol style="list-style-type: none"> <li>1. NATIONAL DEVELOPMENT AND UN SUSTENABLE DEVELOPMENT GOALS (SDGs)</li> <li>2. NATIONAL DEVELOPMENT PRIORITIES Vs 17 SDGs AND MEASURABLE INDICATORS AND DATA SETS: DATA, MAPS &amp; IMAGERY</li> <li>3. NAS, GIS AND NATIONAL SPATIAL DATA INFRASTRUCTURE (NSDI)</li> <li>4. BENCHMARK NSDI PROJECTS</li> <li>5. UN-GGIM AND Africa Chapter</li> </ol>  |
| Day 2 | <ol style="list-style-type: none"> <li>1. NATIONAL DEVELOPMENT LINK TO NAS STRATEGY AND FUNDING</li> <li>2. AFRICAN DEVELOPMENT BANK HIGH FIVES PRIORITIES</li> <li>3. DATA COLLECTION STRATEGY AND POLICY</li> </ol>  |
| Day 3 | <ol style="list-style-type: none"> <li>1. E-COMMERCE: GLOBAL PERSPECTIVE</li> <li>2. E-COMMERCE TECHNOLOGY <ol style="list-style-type: none"> <li>a. Need for technology</li> <li>b. Operations</li> <li>c. E-commerce Gateway</li> </ol> </li> <li>3. POSTAL / COURIER SERVICES FOR E-COMMERCE <ol style="list-style-type: none"> <li>a. Delivery to Physical Address &amp; Returns including Policy</li> <li>b. Last-Mile Delivery</li> <li>c. Collection Centers and Automated Collection Lockers</li> <li>d. Door to Door Marketing Services and NAS</li> <li>e. Business Hubs, Empowerment of Rural/Local Communities and Customer Care Platform</li> <li>f. Packaging and pre-paid delivery charges model</li> </ol> </li> </ol> |
| DAY 4 | <ol style="list-style-type: none"> <li>1. WAREHOUSING solutions FOR E-COMMERCE <ol style="list-style-type: none"> <li>a. Need for Warehousing</li> <li>b. Ownership Vs Agents</li> <li>c. Business Model</li> </ol> </li> <li>2. NAS Enabled GIS Software Applications for e-commerce</li> </ol>   |
| DAY 5 | <ol style="list-style-type: none"> <li>1. African Countries Progress on E-commerce,</li> <li>2. Review Training Material</li> <li>3. Discuss Delegates Issues relating to National Development</li> </ol>  |

For more information, please contact us on

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