



# conformity and Interoperability Procedures in Ghana

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## LEGAL MANDATE: COMMUNICATON EQUIPMENT



The national Laws that established the National Communications Authority (NCA), NCA Act, Act 769 made provision for implementation of electronic communications equipment.

Section (3). For the purpose of achieving its object, the Authority shall

- (a) establish and monitor the implementation of national communications standards and ensure compliance accordingly;
- (n) certify and ensure the testing of communications equipment for compliance with
  - (i) international standards; and
  - (ii)environmental health and safety standards including electromagnetic radiation and emissions;

## LEGAL MANDATE: Terminal Equipment And Technical Standards



#### Terminal equipment (ACT 775 SECTION 66)

- 1) Any terminal equipment sold or otherwise provided in this country may be connected to a public electronic communications network if the Authority certifies that the terminal equipment
  - 1) is safe for the user,
  - 2)is in compliance with international standards, and environmental, health and safety standards including standards for electromagnetic radiation and emissions,
  - 3)meets the requirements of electromagnetic compatibility provisions of international treaties relating to electronic communications,
  - 4) does not pose a risk of physical harm to the network,
  - 5)effectively utilizes the electromagnetic spectrum and prevents interference between satellite and terrestrial-based systems and between terrestrial systems, and
  - 6) is compatible with the network.

## LEGAL MANDATE: TERMINAL EQUIPMENT TECHNICAL STANDARDS - CONT'D

- 1)The Authority, in certifying terminal equipment under subsection (1), may recognise similar approvals from other jurisdictions that it may specify.
- 2)Terminal equipment certified under this section shall bear labels or other markings determined by the Authority.
- 3)The Authority may regulate, prohibit the sale or other distribution or connection of terminal equipment or other device that is provided in the country primarily for the purposes of circumventing, or facilitating the circumvention of a requirement of this Act.
- 4)After the commencement of this Act, the Authority shall, as soon as reasonably practicable, specify the means by which terminal equipment and other accessories shall be provided and charged to users separately for the provision of public electronic communications services.



## LEGAL MANDATE: TECHNICAL STANDARDS



### **Terminal equipment (ACT775 SECTION 67)**

- (1) Licensees and authorisation holders may implement technical standards that they consider
- appropriate and which are in conformity with accepted international standards.
- (2) Despite subsection (1), the Authority may identify, adopt or establish preferred technical standards
- in Regulations or where necessary, require conformity to a stated standard.



## LI1991: Standardisation of communications equipment and systems



#### Standardisation

- **78.** Communications equipment and systems shall be of a standard and technical specifications as to
  - (a) prevent damage to interconnected network,
  - (b) avoid interference to other communications systems, and
  - (c) guarantee the safety of subscribers.

#### Approval of equipment

- **79.** (1) The Authority shall approve communications equipment used for radio transmission for commercial operation.
  - (2) For the purpose of sub-regulation (1), the Authority shall put in place both the standards and a mechanism for the approval.
  - (3) A public communications systems supplier shall provide the Authority with
    - (a) a list of acceptable international standards in relation to connection with other networks or to subscriber equipment, and
    - (b) technical details of a deviation by operators from those standards.
- (4) Sub-regulation (3) applies to an operator who imports a public communications system into Ghana.

## PROCEDURES FOR ASSESSING CONFORMITY TO STATED MINIMUM ESSENTIAL REQUIREMENT



- •The minimum essential requirement are to meet the objectives of
  - International Standards; And
  - Environmental Health And Safety Standards
  - Electromagnetic Radiation And Emissions;
  - Radio Frequency Requirements
  - Network Compatibility
    - Quality of Network Support
    - Verification of Stated Technology support



## **APPLICATION SUBMISSION**



- Filled A Completed Type Approval Application either Manual or through our online application system alongside the following documents:
  - 1. Application Cover letter
  - 2. Technical Documentation / Technical Construction File
    - a. A General Description Of The Electronic Communication Equipment
    - b. Design Information /Results Of Design Calculations Made
    - c. A List Of The Adopted Standards And/or Other Relevant Technical Specifications
    - d. The Declaration Of Conformity;
    - e. Certificate Of Conformity From CAB;
    - f. Test Reports Issued By Accredited Testing Laboratories
      - i. RF Test Report
      - ii. EMC Test Report
      - iii. Health and Safety Reports
  - 3. Sample of Electronic Communication Equipment where necessary



## Type approval Guidelines



Application form was introduced in July 2013

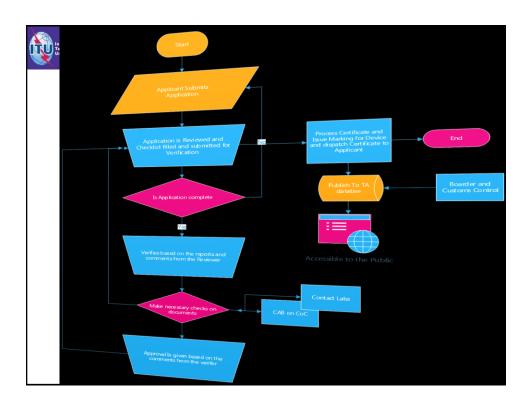
- A guidelines for type approval was launched in January 2014.
- There was close to four weeks public consultation involving various labs, CABs, and other consultants in the industry.
- A final Guidelines was public and came to effect on January 9, 2014
- The guidelines introduced the element of marking and dealership in ECEs
- Previous conditions of licensure for dealership was redrafted to tie it to the type approval process
- Paper based process was transformed into electronic based in March 2014
- Electronic communication equipment were categorised in May 2014.
- Type Approval Application and evaluation fees were completely reduced in May 2014
- Vendors, manufacturers, customs, operators and other major stakeholder meetings were held to educate all on the process of type approval as its required by the various laws
- Type Approval online portal yet to be launched
  - Manufacturers would be allowed to showcase their products which have been type approved

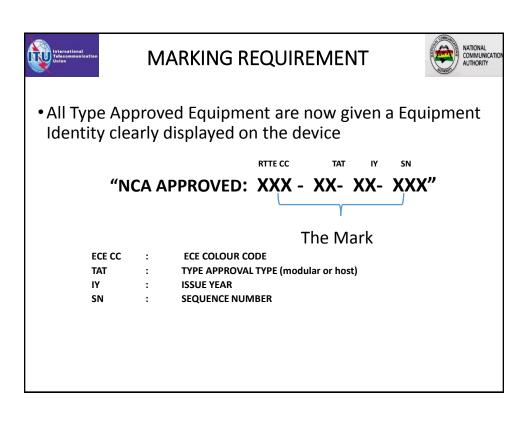


## Application review process



- Three stages of Processing of Application
  - Review Stage Comprehensive analysis of lab reports and accompanying documentation
  - Verification Stage verification of submitted documents and review reports and if necessary contact the cabs and labs issues relating to CoC and Lab Reports
  - Approval Stage
    - Provisional Approval
    - Final Approval
    - Rejected



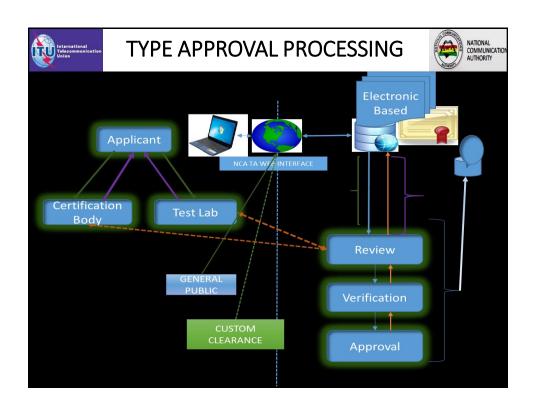




### THE AUTHORITY OF THE MARK



- Electronic Communication Equipment Meets all essential requirements by the Authority
- Electronic Communication Equipment is not fake/counterfeit
- Electronic Communication Equipment meets manufacturer's own stated requirements (consumer protection)
- Manufacture/Dealer bears responsibility of breach of rules/conditions under which Type Approval Certificate was issued.







### **ENFORCEMENT**



- One Requires dealership license or an appropriate authorisation in order to import or sell electronic communication equipment (ECE).
- They are bound by conditions of license to deal only in Type Approved ECE.
- Importers are supposed informed the NCA of any importation ahead of time
- Two levels of clearance
  - Customs Clearance
  - Regulatory Clearance
- Inspectors from NCA at the point of entries, now effectively, Accra/ Tema, to inspect on all communication equipment being imported into the country.
- Customer Education on the need to buy approved equipment
- Market Surveillance is as integral part of process to begin



## **TECHNICAL REGULATIONS**



- Draft Technical regulations underway
- Consultation with our Ghana Standards Authority to adopt some international standards to be referenced and develop one for network requirement



### **CONTRIBUTION TO ITUD SG 2**



- Submit to NCA's TA Procedure as ITUD contribution
- recommend as baseline document for regional harmonization and development MRA for W/A region.

### **CHALLENGES**

- Without a lab, market Surveillance is a big challenge
- · Marking Requirement- liabilities
- NDA Non Disclosure Agreement
- Porous Ports





# THANK YOU