

# Homologation of Telecommunication Equipment, Procedures and Experience in EAC Countries: A Kenyan Case Study

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## Agenda



- Introduction
- Legal framework
- Homologation procedure
- Technical Standards and Specifications
- Compliance
- Way forward

## Introduction



- Why do we need homologation?
  - To preserve the integrity of telecommunications networks
  - Protect radio communication networks from harmful interference
  - Protect human health and the environment

## Introduction



- Who should homologize?
  - Telecommunication vendor
  - Telecommunication contractor
  - Telecommunication operator and service provider
  - Radio and television Broadcaster
- What needs to be homologized?
  - All telecommunication equipment
  - All radio communication equipment

## Legal Framework



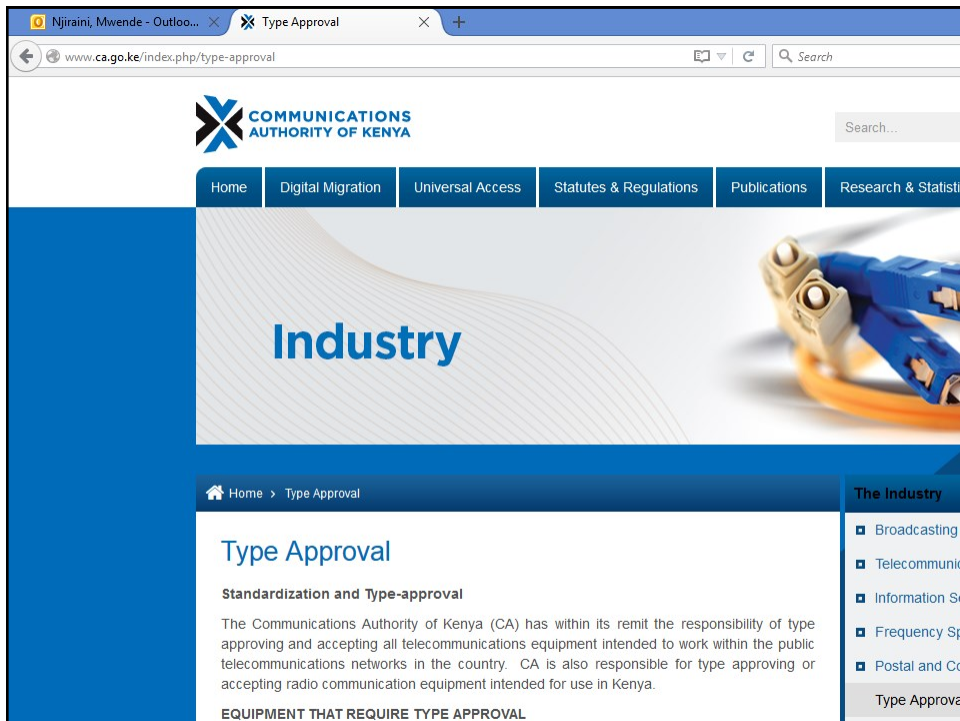
- The Kenya Information and Communications Act, 2013

*“All telecommunications and radio communication equipment shall prior to their installation or connection to any public switched telecommunication network in Kenya be submitted to the Commission for type-approval”*

## Legal Framework



- The Information and Communications (Importation, Type Approval and Distribution of Communications Equipment) Regulations 2010
  - Type approval is done only once for every model of equipment
  - Application subjected to technical evaluation process
  - Approved applications granted a 6 months provisional type approval
  - Issuance of final type approval/conformance certificate



www.ca.go.ke/index.php/type-approval

COMMUNICATIONS AUTHORITY OF KENYA

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## Industry

Home > Type Approval

### Type Approval

**Standardization and Type-approval**

The Communications Authority of Kenya (CA) has within its remit the responsibility of type approving and accepting all telecommunications equipment intended to work within the public telecommunications networks in the country. CA is also responsible for type approving or accepting radio communication equipment intended for use in Kenya.

**EQUIPMENT THAT REQUIRE TYPE APPROVAL**

**The Industry**

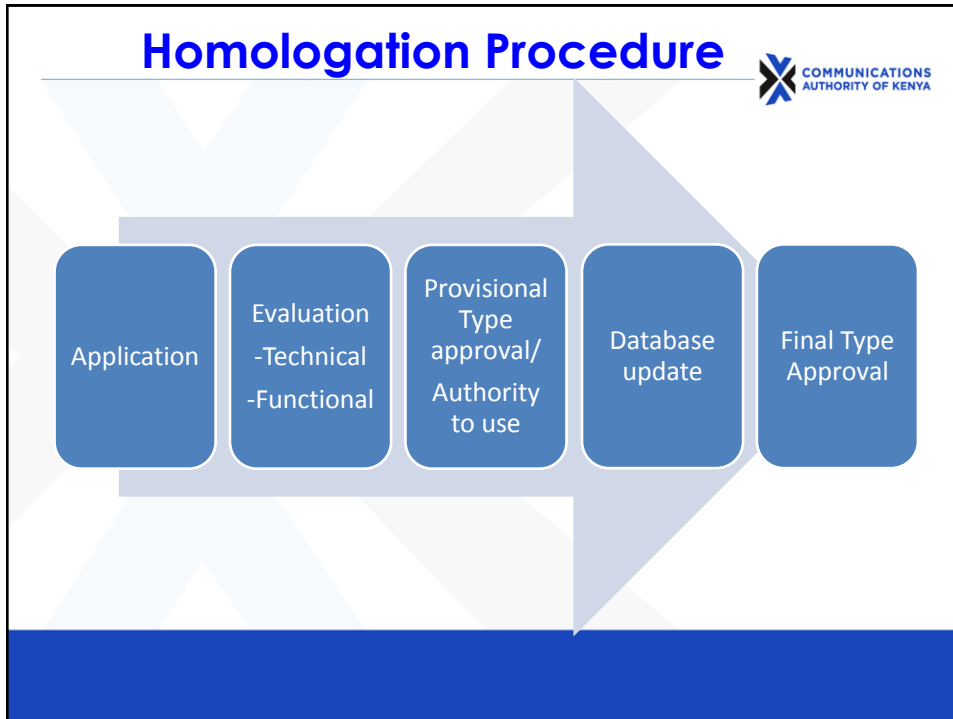
- Broadcasting
- Telecommunications
- Information Services
- Frequency Spectrum
- Postal and Courier Services
- Type Approval

## Homologation Procedure



- Requirements of homologation application
  - Type approval application form and fee
  - Sample (where necessary)
  - Letter of agency from manufacturer
  - Technical and user manuals
  - Conformance certificates from a regulatory authority or accredited laboratory
  - Test reports and results from manufacturers or accredited testing laboratories





## Technical standards and specifications

The slide lists the documents used in conformity assessment. The Communications Authority of Kenya logo is in the top right corner. The list includes: Specifications, guidelines and Regulations issued by Communications Authority; Standards from national standards development organization (Kenya Bureau of Standards); and International Standards (ITU; IEC, ESTI, FCC).

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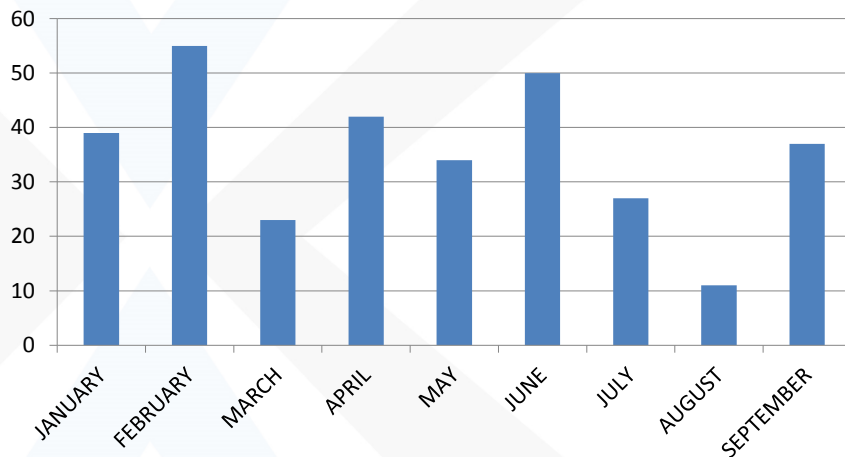
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## Type Approval Fees



Equipment category	Fees (\$)
Telephone terminal equipment	40
TV Set-Top Box	40
Data equipment	40
Radio Communications Equipment	40
VOIP Network Equipment	200
Broadcast Transmitter Equipment	200
Network Equipment	200

## Type Approvals 2015



## Compliance



- Compliance is monitored through:
  - Certification inspections of installed equipment on customer and operator premises
  - Inspection of imported equipment at points of entry in collaboration with Kenya Revenue Authority

## Way Forward



- Review of Regulations to reflect:
  - Technological changes,
  - Reducing time evaluation to 45days and
  - Removing the requirement for labeling
- Establish laboratory for conformance testing
- Establish a mutual recognition framework with EAC member countries

**Thank You!**

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