



**UGANDA  
COMMUNICATIONS  
COMMISSION**

# **THE FRAMEWORK ON TYPE APPROVAL OF COMMUNICATIONS EQUIPMENT IN UGANDA**

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## **1. INTRODUCTION**

The Uganda Communications Commission (the Commission) is mandated under section 5(i) and (k) of the Uganda Communications Act of 2013, to

- “set national standards and ensure compliance with national and international standards and obligations laid down by international communication agreements and treaties to which Uganda is a party”.
- “safeguard the interests of consumers and operators as regards the quality of Communications services and Equipment”.

The Commission thus established a Type Approval system to assess and certify the compliance of Communications apparatus or equipment to:

- a) Ensure that the connection of any communications equipment to the communication networks does not harm, damage or jeopardise the integrity of communication networks.
- b) Protect the safety of end-users of telecommunications and radio communications equipment from dangers of sub-standard equipment.
- c) Maintain the acceptable quality of service, interoperability of services, and end-to-end network performance of radio and telecommunications networks.
- d) Protect the general public from harmful and sometimes fatal emissions from faulty, sub-standard or obsolete communications equipment.
- e) Protect the environment from possible dangers arising out of substandard equipment connected to communication networks.

The granting of type approval certificate to radio communication or telecommunication equipment thus means that the equipment conforms to the respective legal, technical and safety requirements due prior to importation, use or sale in Uganda.

This Type approval Framework shall guide the assessment, testing and deployment of communications apparatus to establish conformity to the relevant technical standards.

## **2. AMENDMENT OF THE FRAMEWORK**

This framework shall be subjected to periodic reviews to enable inclusion of any new developments due to evolution of the communications industry, changes in policies and regulations as well as emergent international good practice.

### **3. OBJECTIVES OF THE FRAMEWORK**

The objective of this framework is to:

- a) Outline the guiding principles, requirements, processes and procedures through which the type approval of communication devices shall be conducted;
- b) help industry players, government agencies and other stakeholders to understand the Commission's type approval system and thus facilitate compliance with the law;
- c) specify the applicable equipment standards to protect users and mitigate the occurrence of interference with communications systems and networks;

### **4. INTERPRETATIONS**

In this framework, unless the context otherwise requires: -

- i) **Accredited test laboratories:** A testing laboratory recognised by the Commission as having the capability and competence to perform testing needed on radiocommunications, broadcasting or telecommunications apparatus to show compliance with the technical and/or regulatory requirements of Uganda.
- ii) **Act:** the Uganda Communications Act of 2013 as amended from time to time.
- iii) **Applicant:** The applicant shall be a legally registered entity that has requested for Type Approval/devices registration, or persons seeking to register devices for personal or household use . The registered entity may be categorised as Manufacturer, Assembler, Importer, Distributor, Network Operator/Service Provider or Authorized Agent.
- iv) **Certificate of Conformity:** a document issued by a Conformity Assessment Body confirming the compliance of the associated Equipment with one or more relevant technical standards or specifications required by the Commission.
- v) **Commission:** the Uganda Communications Commission as established under section 4 of the Uganda Communications Act of 2013.

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- vi) **Communications:** means telecommunications, data communication, radio Communications, postal, Communications and includes broadcasting.
- vii) **Communications Equipment:** is equipment used for communication services including end user devices and equipment used by an operator to provide communication services.
- viii) **Conformity Assessment:** is a demonstration that specified requirements relating to Communications Equipment are fulfilled. It includes activities such as testing, inspection and certification.
- ix) **Conformity Assessment Body:** an accredited organisation that performs conformity assessment of Communications devices based on set technical standards.
- x) **Declaration of Conformity (DoC):** A legal document which the manufacturer signs to state that the product meets all requirements of applicable standard based on certificates and test reports.
- xi) **Distributor:** is a person who is authorised by the manufacturer to either import, distribute, sale and/or install Communications Equipment.
- xii) **End user:** means a final consumer of or subscriber to a Communications service, or a user of Communications Equipment;
- xiii) **Equipment Conformity:** is the measure on whether a Communications Equipment fulfils specified requirements.
- xiv) **Importer:** is any person that brings in and is responsible for the bringing of Communications Equipment into Uganda from another territory outside of Uganda.
- xv) **Installation** is the setup of communication Equipment and/or connection of this to be able to access communication services
- xvi) **Manufacturer:** a person that either places a product on the Market under his own name or trademark or modifies a product in such a way that compliance with applicable requirements may be affected
- xvii) **Mutual Recognition Agreement (MRA):** is legal agreement between the Commission and other body responsible for Type Approval for recognition of conformity assessment results for communication Equipment.

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- xviii) **Operator:** a person who is licensed to provide a communication or broadcasting services under the Uganda Communications Act 2013.
- xix) **Person:** includes any individual, company, association, or body of persons corporate or unincorporated.
- xx) **Recall:** any measure aimed at achieving the return of Communications Equipment that has already been made available to the end-user”.
- xxi) **Standard:** is a document adopted by the Commission as the recognised or mandatory requirements for a Communications Equipment, radio spectrum use or Communications service in Uganda.
- xxii) **Type Approval:** is the process by which Communications Equipment that meets the minimum technical requirements specified by the Commission, is authorised by the Commission to be sold, distributed, imported or used in Uganda.
- xxiii) **Type Approval Certificate:** a document issued by the Commission in print or electronic version certifying compliance of the respective Equipment with one or more relevant technical standards and specifications prescribed by the Commission.
- xxiv) **Type Approval mark:** a physical or electronic mark bearing information about the certification of the Equipment.
- xxv) **Vendor:** a person who sells Communications Equipment to the end user.
- xxvi) **Withdrawal:** any measure aimed at preventing Communications Equipment in the supply chain from being made available on the market”.
- xxvii) **E-label:** an electronic representation of a compliance mark (or marks) provided as part of the operating software of device with a built in integral display.
- xxviii) **RTTE:** Radio and Telecommunications Terminal Equipment.

## **5. APPLICABLE LEGISLATION**

The implementation of this framework shall be subject to the provisions of the Uganda Communications Act, 2013 and the Uganda Communications (Equipment Type Approval) Regulations, 2019.



## **6. SCOPE**

This framework outlines:

- a) the processes and application requirements for Equipment Type Approval and conformity assessment;
- b) the processes and requirements for device registration (Commercial and personal use);
- c) Classification of Communications Equipment Type Approval;
- d) applicable equipment standards and specifications;

## **7. APPLICABILITY AND SPECIAL CASES**

### **7.1 Applicability**

Type Approval of Communication Equipment is a mandatory requirement before importation, use or sale in Uganda. This framework shall be applicable to:

- Any radio equipment and/or communications terminals/ devices that are connected at the customer's premise.

Any Equipment used or to be used in Uganda in connection with the provision of any type of broadcasting, telecom and radio communications.

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- Any equipment that contains a radio frequency device (including Industrial, Scientific and Medical (ISM) equipment)
- All manufacturers, importers, distributors, vendors/sellers or operators of communications equipment in Uganda.

### **7.2 Exemptions-**

Exemption shall apply to the following:

- Communications Equipment used during the state of emergency and disaster by Government.

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- Communications Equipment used solely for the purpose of national security by the state agencies.
- Communications equipment imported for the respective importer's personal use.
- Communication equipment listed in Annex IV. The Commission shall review and publish a list of exempted devices from time to time as shall be deemed necessary.

The Commission may also, where it deems expedient, exempt any communications equipment that is temporarily imported into Uganda.

An exemption as per the Type Approval Regime shall not exempt the user of the respective apparatus/equipment from obtaining additional licenses or authorisations required for its use and compliance with the additional regulatory requirements.

### **8. RELEVANT STANDARDS**

All Communications Equipment that are manufactured, imported, distributed, sold and/or installed in Uganda shall be required to meet the functional and interoperability requirements, and conform to the national and relevant international communications standards as shall be specified by the Commission from time to time. The list of the applicable standards is indicated in Annex V.

The Commission shall recognize standards of various international, regional and national standard making bodies as listed in ANNEX VI. In adopting international standards, the Commission may:

- Adopt the standard as is;
- Make editorial changes without altering the technical content of the standard;
- Make changes in the technical content to address national requirements

The scope of standards against which conformity shall be assessed shall cover the following broad areas: -

#### **8.1 Electromagnetic Compatibility (EMC) Requirements**

These standards define the frequency range and limit of unnecessary radiation to prevent telecommunication, broadcasting and other electronics devices from causing interference. They seek to minimize electromagnetic emissions produced by the Communication Equipment causing interference

to other Equipment in its vicinity. In addition, these ensure that the communication Equipment continues to operate as expected around other sources of electromagnetic emissions.

Tests against these therefore ensure that any emission from the apparatus are below the relevant limits defined for that type of apparatus and that the apparatus will operate as intended when used within its expected operating environment.

## **8.2 Radio Frequency (RF) Requirements**

These facilitate optimum utilisation of radio frequency spectrum and seek to ensure the radiocommunications equipment/apparatus does not cause unacceptable interference.

## **8.3 Equipment Safety and Health Requirements**

These seek to protect the health, safety and general welfare of users of the Communication Equipment and the public.

Exposure to sufficiently high levels of Radiofrequency electromagnetic radiation (RF EMR) can heat biological tissue and potentially cause tissue damage. This family of standards thus includes standard on safety requirements relating to RF transmitters and other requirements for protection of the public and for the management of risk in occupational exposure, together with additional information on measurement and assessment of compliance limits for human exposure to RF EMR in the frequency range 100 kHz to 300 GHz.

## **8.4 Technology, performance and functionality Requirements**

To ensure that the communications equipment fulfil the technology, capacity, performance, and respective functionality requirements.

# **9. TYPES OF TYPE APPROVAL APPLICATION**

Type Approval categories as specified in Section 7(6) of Equipment Type Approval regulations shall apply. Refer to **ANNEX II** for application requirements. The associated type approval fees shall apply in accordance with the approved fees structure.

## **9.1 Standard Type Approval**

Type Approval of Equipment is the process by which communications apparatus/equipment or a device is authorized by the Commission to be imported into and/or used in Uganda and involves verification of the respective apparatus/equipment's compliance with the applicable standards and other regulatory requirements.

A standard type approval is granted to a specific model of a device/apparatus/equipment which has been cleared by the Commission as

compliant with the specified standards or technical requirements. A standard type approval certificate does not expire and the respective equipment can be used again in future without the need for another application for type approval.

## **9.2 Type Acceptance**

Type acceptance shall apply to equipment:

- a) already type approved by the Commission: The Equipment for which type acceptance is sought in this respect must be identical, in all aspects of the type approval consideration, to the Equipment previously type approved and included in the Commission's Type Approval Register/database.
- b) recognised under the Mutual Recognition Agreements.

The requirements for Type Acceptance are provided below;

- a) The applicant shall submit the certificate number of the certificate issued by the Commission or a copy of the certificate from the recognised National Authority.
- b) Declaration of Conformity (DoC) from the manufacturer of the equipment.
- c) A representative sample may be required.
- d) Any other information that the Authority may deem necessary.
- e) Payment of the Type acceptance fees.

## **9.3 One-off Approval**

A one-off approval may be granted for a single dated purpose and shall not be for multiple, repeated or general use, distribution, sale or resale in Uganda. This shall be applicable to a device which is to be used exclusively by an applicant for a specific purpose.

## **9.4 Provisional Approval**

Provisional Approval of equipment shall apply to Type Approval of Equipment for a period of a maximum of one-twenty (120) days and may be extended for a further period of not more than one-twenty (120) days. This applies to devices intended for trial, testing, demonstration, research or exhibition purposes. All associated equipment shall be recovered and cease usage in Uganda upon expiry of the Approval Certificate where the holder of the provisional approval has not applied for Standard type approval.

## **10. CONFORMITY ASSESSMENT PROCEDURES**

Conformity assessment is the demonstration that specified requirements relating to a product, process, system, person or body are fulfilled” [ISO/IEC 17000:2004].

The choice of conformity assessment scheme takes into account the risks of non-compliance with the applicable specifications. If the risks concern safety or health there is likely to be a greater case for a mandatory conformity assessment scheme.

### **10.1 Declaration of Conformity**

All type approval applicants shall submit a Declaration of Conformity (DoC) issued by the manufacturer. The tests shall have been conducted by an Accredited laboratory. The Declaration of Conformity shall contain the following information:

- a) The unique identification of the product;
- b) Name and address of manufacturer or authorised representative taking responsibility for the product;
- c) The statement “This declaration of conformity is issued under the sole responsibility of the manufacturer”.
- d) Description of product allowing traceability;
- e) The declaration of conformity statement: “The object of the declaration described above is in conformity with ....” with a list of the applicable standards and technical regulatory requirements the product complies with;
- f) Details of the standards if any have been applied;
- g) Details of accredited laboratories (where applicable) as required in the conformity assessment procedures, their conformity assessment procedures and certificates; (e.g. for product type approval or quality system assessment.);
- h) Any additional information;
- i) The signature of the senior person representing the manufacturer or authorised representative.

### **10.2 Certificate of Conformity (CoC)**

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The equipment that has a high degree or risk associated with non-compliance affecting safety, health or environmental aspects shall require a certificate of conformity (CoC) issued by a Conformity assessment body.

Conformity assessment body shall be a member of International Laboratory Accreditation Cooperation (ILAC) and shall have valid accreditation.

The equipment that will require presentation of CoC on type approval application shall include the following categories:

- I. Medical equipment with radiocommunications components
- II. Radio communication equipment with transmit power greater than 10W
- III. High traffic communication equipment e.g mobile switching centres, Routers, Media Gateways, base station controllers, Transmission Nodes

### **10.3 Recognition of Conformity Assessment Bodies and test laboratories**

In line with the Uganda Communications (Equipment Type Approval) Regulations 2019, the Commission shall recognize conformity assessment bodies and accredited test laboratories whose documents shall be accepted by the Commission in considering Type Approval applications.

The conformity assessment bodies and test laboratories seeking recognition by the Commission shall submit an application.

For the purpose of Conformity assessment recognition, the test laboratory shall;

- a. be accredited in accordance with ISO/IEC 17025
- b. be a member of International Laboratory Accreditation Cooperation (ILAC) and shall have valid accreditation,
- c. be designated by an Mutual Recognition Agreement (MRA) partner for conformity certification body located in MRA countries.

For the purpose of test laboratory recognition, the test laboratory shall;

- a. be accredited in accordance with the latest edition of ISO/IEC 17065
- b. be designated by an MRA partner as testing laboratory and located in MRA countries.

The list of conformity assessment bodies and test laboratories recognised by the Commission shall be maintained and published on the Commission website.

#### **10.4 Mutual Recognition Agreements (MRA)**

An MRA creates the framework for mutual recognition of national conformity assessment systems between two or more countries.

In line with requirements of section 17 (1) of the Uganda Communications (Equipment Type Approval) Regulations 2019, the Commission may enter into Mutual Recognition Agreements (MRAs) with regulatory authorities responsible for type approval of communications equipment in other countries so as to recognise the type approval certificates issued by them.

The partners with whom the Commission shall execute Mutual Recognition Agreements (MRAs) shall be published.

### **11. TYPE APPROVAL SAMPLE**

#### **11.1 Submission of Sample(s)**

- a. It shall be mandatory for applicants to provide samples of end user devices. For non-end-user communications devices, the Commission shall on case by case decide on the need for submission of samples.
- b. The Applicant shall submit complete sample meeting the following criteria for evaluation:
  - i) Clearly marked with the brand and type/model designation;
  - ii) New sample chosen from the production. Used or re-conditional or research and development (R&D) sample shall not be accepted;
  - iii) Sample for Provisional Approval application may be submitted;
  - iv) Sample from final prototype model may be submitted only in the case of locally manufactured equipment;
  - v) Supplied with all relevant accessories and peripherals, if applicable.
- c. The number of samples to be submitted shall depend on the evaluation required as shall be determined by the Commission.
- d. The Commission has the right to request additional sample for evaluation or investigation. The applicant shall bear all related costs incurred during investigation such as, but not limited to, purchase of sample or testing fees for validation of technical declaration or complaints.
- e. The Commission shall not be liable for any changes or damage to a sample during the evaluation and testing of the sample by the Commission.

### **11.2 Collection of Samples**

The applicant shall collect the submitted sample equipment after 45 calendar days from the date of notification of outcome of type approval application by the Commission. However, where the Commission has to withhold the sample for a longer period, the Commission shall notify the applicant accordingly.

- The applicant shall not exceed three (3) months from the date of notification of outcome of type approval application to collect the sample equipment.
- The Commission shall not guarantee availability of the sample devices after the three (3) have elapsed.
- The Commission shall not be liable in whatsoever manner for any loss suffered by the applicant as a result of the disposal of the sample after the said two three (3) months
- The Commission shall not return sample devices that will have failed the tests.
- The Commission shall decide on the disposal of the samples that are not collected by the applicant in the manner it deems fit.
- In all cases, the Commission has the right to retain the sample for further evaluation and investigation.

### **12. UNSUCCESSFUL TYPE APPROVAL APPLICATIONS**

Where the Commission establishes that an application does not meet requirements prescribed or the respective technical requirements/standards, the application shall be declined and the applicant duly notified.

The public shall also be notified of Equipment denied Type Approval if the Equipment errors or fault issues cannot be rectified. However, if the corrections or changes are minor and can be rectified and meet the required standards within the timeline specified by the Commission, then the public shall not have to be notified.

### **13. TYPE APPROVAL CERTIFICATION**

Where the Equipment conforms to all the requisite standards and appropriate fees have been paid, the Commission shall issue a Type Approval certificate. The Type Approval certificate shall bear the following;

- a. Equipment Name;



- b. Equipment Brand;
- c. Equipment Model;
- d. Equipment Manufacturer;
- e. Equipment Distributor and (or) Applicant;
- f. Date of Approval;
- g. Date of Expiry (*where applicable*);
- h. Stamp and or Seal of the Commission;
- i. A Unique Type Approval Number;

#### **14. MODIFICATION OF TYPE APPROVED EQUIPMENT**

Modification of the Type Approved equipment shall render the Type Approval certificate null and void.

A type approved equipment shall be subjected to re-assessment for compliance wherever it is modified in respect of model number, design or function. The Type Approval Holder shall submit to the Commission an application with all requirements including relevant updated documents.

The type approval application and certification fees as stipulated in the Commission fees structure shall be applicable to an application for reassessment of modified Type Approved equipment.

The specifications of the modified Equipment shall comply to the standards, regulations and requirements in-force at the time of application.

If the Type Approval Holder does not apply to the Commission for reassessment of the modified equipment the Type Approval Holder will be deemed in violation of the provisions of the Act and associated regulations.

#### **15. TYPE APPROVAL PROCESSES FLOW**

All applications shall be processed by the Commission. However the Commission may choose to carryout supplementary reviews with a chosen third party prior to certification.

##### **15.1 In-House reviews:**

This is a 2 stage Type approval process,

- a) 1<sup>st</sup> stage of type approval process begins with submission of a complete set of application requirements with proof of payment of processing fees. Verification of application requirements is the 1<sup>st</sup> step before the application is forwarded for review; *all incomplete submissions are rejected and applicant notified on submission.*
- b) The review process begins with administrative, credibility and authentication checks of the application, applicants and submitted documents. Followed by verification and evaluation of test reports and

testing of sample devices. This includes conformity checks of testing procedures and results. The applicant is then invoiced for certification of equipment found compliant. *Unsuccessful applications are rejected and applicant notified.* This marks the conclusion of the 1<sup>st</sup> stage of type approval process.

- c) 2<sup>nd</sup> Stage of type approval process is initiated after confirmation of payment. In this stage, the application is recommended for certification, once is approved and equipment certified. The Commission type approval database is updated with details of equipment and certificate is forwarded to applicant's email address and physical copy to applicant's physical address.

### **15.2 Third party reviews:**

This process shall be determined by details of agreement between the Commission and third party test bodies. The applicant will be invoiced the full amount upfront to initiate the process and confirmation of payment receipt shall be attached to the application requirements.

## **16. TYPE APPROVAL LABELLING**

All Communications Equipment that has been Type approved and registered by the Commission for import, sale, installation and use in Uganda shall have a Type Approval label that is either affixed and embedded on the Equipment or e-labelled as appropriate with information for Equipment identification and tracking.

The labelling shall be done in accordance with clause 12 of The Uganda Communications (Equipment Type Approval) regulations, 2019.

## **17. VALIDITY OF TYPE APPROVAL**

The validity of the Type Approval certificate shall continue to be valid unless cancelled by the Commission.

The Commission shall nullify the validity of the Type Approval certificate upon occurrence of any of the following:

- i) When any or all submitted documents are not genuine or been tampered with;
- ii) When a Type Approved Equipment is modified with respect to manufacturing brand name, product name, model number, functionality and (or) any change in the characteristics;
- iii) When changes to the Type Approved Equipment may affect its conformity to the applicable standards and requirements to which it was initially tested and validated;

- iv) When the Type Approved Equipment has reached its end of life;
- v) Expiry of Type Approval certificate for one-off Approval and Provisional Approval;

## **18. AUTHORISATION OF EQUIPMENT DISTRIBUTORS & VENDORS**

An importer, a distributor and a vendor shall not, without authorisation issued by the Commission, import and/or supply or sell any Communications Equipment in Uganda.

## **19. EQUIPMENT REGISTRATION**

### **19.1 Personal use registration**

These are Communication Service terminals and RTTE<sup>1</sup> devices imported as personal effects by a person entering Uganda. These shall be property for the personal or household use by the person bringing them into the country -and shall not exceed five devices. Devices for Personal use may not be type approved but will have to be registered in accordance with the laws of Uganda including, but not limited to, the Regulation of Interception of Communications Act of 2010. The registration requirements are indicated below;

#### **Personal use registration requirements**

1. Name and address of the person
2. Email address and contact number
3. National Identification Number (NIN) for Ugandans or Passport Number for foreigners.
4. Device IMEI Number or serial number
5. Make and model of equipment
6. Subscriber MSISDN (Mobile Number) where applicable

### **19.2 Commercial and Public service use registration**

The Commission shall maintain a registrar of all equipment/devices to be imported, supplied and/or sold by an authorised importer, a distributor, a vendor and licensed operator. The equipment shall have been type approved and certified.

The requirements for this equipment registration is provided in below;

#### **Commercial & Public Service Use Registration requirements**

1. Business Name/ Company Name/ Trade Name
2. Email address and contact numbers
3. Type Approval/ Acceptance ID Number

4. Device Identity (Brand, Model)
5. Devices IMEI Numbers (bulk) or serial numbers

## **20. STAKEHOLDERS' ROLES AND RESPONSIBILITIES**

The Commission shall actively collaborate with other stakeholders for purposes of enforcement and information sharing.

The roles and responsibilities of the different stakeholders are described in the table below;

<b>NO.</b>	<b>STAKEHOLDER</b>	<b>ROLES &amp; RESPONSIBILITIES</b>
1.	Uganda Revenue Authority (URA)	a) To share information on Communications Equipment imported into the country for purposes of Equipment Type Approval and other regulatory requirements. b) Collaborate with the Commission in the area of enforcement and compliance with regulatory requirements relating to Communications Equipment as may be deemed appropriate and in line with governing laws. c) Seize and inform the Commission about the importation of Non- Type approved Equipment.
2.	National Environment Management Authority (NEMA)	To support the Commission in enforcement of the framework as deemed appropriate. This includes e-waste due to the manufacture, importation, sale, and distribution of Communications Equipment that does not meet the requirements of this framework.
3.	Uganda National Bureau of Standards (UNBS)	To provide support to the Commission in the development, promotion and enforcement of the standards for effective implementation of the framework.
4.	Civil Aviation Authority (CAA)	To provide support to the Commission in enforcement of standards for manned and unmanned aerial vehicular Communications Equipment.
5.	City Authorities and Local Councils	To provide support to the Commission in enforcement of communication and Equipment conformity standards.

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6.	Business Community	To provide support to the Commission in creating awareness to the consumers, the business community and the public regarding Type Approval of Communications Equipment
7.	Local and international manufacturers	<p>a) A manufacturer shall obtain Type Approval certificates for all Communications Equipment before selling them in the market.</p> <p>b) Where a Communications Equipment presents a risk, the manufacturer shall immediately inform the Commission, giving details, of any corrective</p>
		measures taken. Where corrective measures cannot be taken, the manufacturer shall withdraw or recall the Communications Equipment here appropriate with the supervision of the Commission.
8.	Distributors , Importers and Equipment Vendors	A distributor/ Importer/ Equipment Vendor shall obtain Authorisation from the Commission and Type Approval certificate for each Communications Equipment model before importing or selling them in the Ugandan market.
9.	Communication operators	<p>a) An operator shall obtain Type Approval certificates for all communication Equipment before importing, installing, selling or using such Equipment.</p> <p>b) An operator shall not refuse to connect a Communications Equipment to appropriate interfaces, where the Equipment has a Type Approval certificate.</p> <p>c) An operator shall deny connection to their network and shall not install on their network of any Communications Equipment that is not Type approved by the Commission.</p> <p>d) Where an approved Communications Equipment functions in a way that adversely affects the integrity of a network, or where there is damage or physical injury to a person, the operator shall immediately disconnect the Equipment from the network; and update the Commission of the actions taken.</p>

10.	Consumers	a) Purchase Type approved Equipment b) Where a Communications Equipment presents a risk to the health and safety of consumers, they shall immediately register a complaint with the distributor/ importers/vendors/communication operators. In case the complaint has not been handled well, the consumers shall report to the Commission.
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## **21. ENFORCEMENT MEASURES**

The Commission shall monitor and enforce compliance with the type approval requirement through:

- a) market surveillance activities performed from time to time to ensure that only Type approved Communications Equipment are sold in Uganda. Such surveillance activities may be initiated by a complaint, a report of interference, physical visit of Communications Equipment in a retail outlet, inappropriate advertising or simply random selection.
- b) Registration of all communication devices/equipment Distributors and Vendors. These will be required to clearly display a copy of their registration certificate at all their operational premises and outlets.
- c) collaboration with the Uganda Revenue Authority to ensure that the imported equipment that require type approval are only cleared by customs upon type approval.
- d) blacklist and/or block usability of non-type approved equipment.
- e) impose a penalty o usage of non-type approved equipment in accordance with the Act.

## **22. INFORMATION MANAGEMENT**

The Commission shall maintain and publish a record of the following;

- a) Type approved Communications Equipment;
- b) Equipment that has been denied Type Approval;
- c) Registered Equipment Importers, Distributors and Vendors;
- d) Equipment registered in accordance with section 19 above.
- e) Conformity assessment bodies and test laboratories recognised by the Commission.
- f) Relevant technical Standards
- g) Regulatory bodies with whom the Commission has MRA;

## ANNEX I: APPLICATION FORM FOR TYPE APPROVAL OF EQUIPMENT

### APPLICATION FORM FOR TYPE APPROVAL OF COMMUNICATIONS EQUIPMENT.

APPLICANTS DETAILS						
Applicant Company Name:				Applicant Type:		Specify if other
Applicant Company Address	Postal:		Physical:			
	Email:			Tel:		
TIN /Tax No.						
Contact Person	Name:				Tel:	
	Email:				Tel:	
AUTHORIZED AGENT DETAILS (Attach copy of letter of Authorization or Power of Attorney)						
Authorized Agents	(Name of Company or Persons acting on behalf of the Applicant)					
Contact Person	Name:			Address		
	Email:			Tel:		
INVOICE DETAILS (Address for Billed Party)						
Invoice Address	(Name of Company or Persons responsible for payment of Type Approval fees)					
Contact Person	Name:			Address		
	Email:			Tel:		
Address details for Certificate						
Certificate Address	(Name of Company or Persons responsible for receiving the certificate)					
Contact Person	Name:			Address		
	Email:			Tel:		
TECHNICAL DETAILS OF EQUIPMENT						
Name of Equipment:				Trade Mark		
Brand Name:				Model:		
Manufacturer Details	Name:					
	Address:					
Product Description:						

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<b>Intended Use:</b>				
<b>Frequency Details</b>	<b>Range:</b>			
	<b>Operating Frequency:</b>			
<b>Max Output Power /E.I.R.P:</b>		<b>ITU Emission Designator:</b>		
<b>Type of Modulation:</b>		<b>Antenna Gain:</b>		
<b>Technical Variants (where applicable):</b>				
<b>DETAILS OF CONFORMANCE CERTIFICATE</b>				
<b>Issuing Body:</b>				
<b>Issuing Date:</b>				
<b>APPLICABLE STANDARDS</b>				
<b>Test</b>	<b>Test Standard</b>	<b>Name of Testing laboratory</b>	<b>Address/ Contacts</b>	<b>Result</b>
EMC				
RF (Radio Frequency) Compatibility				
Health & Safety				
Technology Specific				
<b>DETAILS OF SUBMITTED SAMPLE (where applicable)</b>				
<b>Equipment Type:</b>		<b>Brand Name;</b>		
<b>Model:</b>		<b>Serial Number;</b>		
<b>UNDERTAKING</b>				
I hereby certify that the information provided is accurate and if otherwise, the Certificate, may be revoked and an appropriate penalty applied.				
By signing this form, I give Uganda Communications Commission the authority to request and access any information associated with this application from test laboratories and other stakeholders. I agree to comply with any terms, conditions or restrictions which the Uganda Communications Commission may impose and to be bound by the laws and regulations in force.				
Signature:		Date:		
Disclaimer by the Commission	It is the sole responsibility of the certificate holder, indicated here as , to ensure compliance with the applicable standard(s).			
<b>CHECKLIST:      Ensure that the following supporting documents are submitted</b>				
<b>Requirement</b>				<b>Provided</b>
A formal letter requesting for type approval, addressed to the Office of the Executive Director ( the Commission) outlining the Equipment type, Brand Name, Model & Manufacturer				
A fully filled type approval application form (A signed PDF version and an Excel version)				
Sample of the equipment (Mandatory for all end user devices) - Clearly marked or embedded with the trade name / brand, model and serial number of the equipment				



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A copy of the applicable User manuals in English	
A summary detailing the technical specifications of the Equipment.	
A declaration of conformity signed and stamped from Manufacturer.	
A GSMA Certificate (Applicable for all GSMA devices)	
Test reports verifying the Electromagnetic Conformity, RF Conformity, Health & Safety Conformity and Operational Functions of the equipment or device from an accredited test laboratory	
Applicant's Authorization Letter (LoA) or Powers of Attorney (where applicable)	

### **ANNEX II: TYPE APPROVAL APPLICATION REQUIREMENTS**

The following shall be submitted to the Commission in print or electronically where applicable: -

#### **STANDARD TYPE APPROVAL APPLICATION REQUIREMENTS**

- i) A formal letter, addressed to the Executive Director, Uganda Communications Commission, requesting Type Approval of Equipment mentioned therein. This shall outline the Equipment Type, Brand, Model, and Manufacturer.
- ii) A duly completed application form. (refer to **Annex I**)
- iii) Technical datasheet of Equipment.
- iv) A sample of the Equipment clearly marked with Equipment brand, model and serial number. All necessary user manuals and peripherals shall be included. (*This is applicable for End user/customer/terminal Equipment*).
- v) A copy of a signed Manufacturer's Authorisation. This is a document issued by the manufacturer allowing the applicant to supply their Equipment on their behalf in Uganda. (This is only applicable to distributors and vendors).
- vi) A copy of a signed Declaration of conformity to respective standards from the Manufacturer of the Communications Equipment.
- vii) Test reports verifying conformance to the respective standards. This shall be from an accredited test laboratory recognized by the Commission.
- viii) Proof of Payment to the Commission of a non-refundable Type Approval Fee. (Refer to Annex 2).

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- ix) In the case of mobile phones, a copy of GSMA Certificate shall be provided for each model. A GSMA Certificate is one issued by the GSMA verifying the issuance of Type Allocation Code (TAC) to the Equipment and Equipment manufacturer.

### **ONE-OFF TYPE APPROVAL APPLICATION REQUIREMENTS**

- a) Specification sheet
- b) Re-export Certificate
- c) Manufacturer's Declaration of Conformity,
- d) Copies of applicable authorisations from relevant authorities.

### **PROVISIONAL TYPE APPROVAL APPLICATION REQUIREMENTS**

- a) Specification sheet
- b) Re-export Certificate
- c) Declaration of Conformity by Manufacturer
- d) Certificate from third party accredited certification body
- e) Copy of applicable authorisation from the Commission or relevant regulator

### ANNEX III: EQUIPMENT CLASSIFICATIONS

Category	Definition	Examples	Applicable TA process
Wire line Telecommunication Terminal Equipment	These are wired telecommunication terminals used by end user.	Telephones, PABX, routers, network switches, etc	Exempted
Personal and vehicular communication devices	These are wireless mobile devices in licensed band carried by an individual or installed in vehicles to access communication network.	Mobile phones, Mi-Fis, Ipads, Laptops with xGPP interface, VHF/UHF two-way Radio sets, GPS tracking devices, Vehicular radar system, VSATs, residential gateways (RG), etc.	Standard Type Approval
Wireless Network premises Equipment:	These are wireless equipment bands installed in network premises to provide a wireless connection to the end user device or interlink network devices.  <i>NB. This shall include wireless link equipment in licensed and non-licensed bands.</i>	Base stations, wireless interlinks, wireless routers, VSAT etc	Standard Type Approval
Short range Devices (SRD)	These are radio devices designed to operate on a license exempt	Alarms, telemetry and telecommand devices, radio	Standard Type Approval

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<b>Category</b>	<b>Definition</b>	<b>Examples</b>	<b>Applicable TA process</b>
in non-licensed band	basis, over short range and at low power levels with max power rating of 1W.  <i>NB. Shall include near field RFID and inductive chargers with power greater than 1W.</i>	microphones, radio local area networks, anti-theft devices, RFID and Wi-Fi and Bluetooth devices and interfaces, etc	
Restricted Devices (SRD)	Devices with max power of 25mW designed to use licensed spectrum on a non-interference causing basis. Applicants shall have prior authorization before type approval.  <i>NB. Shall include restricted SRDs in ISM band</i>	SRDs in licensed band, TVWS devices, Drones, signal boosters, signal Jammers, SIM Box <sup>1</sup> , etc	Standard Type Approval

Broadcast equipment	These are sending and receiving devices of broadcast content/information. This includes devices in AM, FM and Digital TV bands.	Broadcast transmitters, Band-pass filters, Digital TV, Terrestrial-Satellite-Cable Set-top Boxes, STL.	Standard Type Approval
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2 A SIM box is device used as part of a VoIP gateway installation. It contains a number of SIM cards, which are linked to the gateway but housed and stored separately from it.



## **ANNEX IV: DEVICES EXEMPTED FROM TYPE APPROVAL**

### **The list of devices exempted from type approval includes:**

1. Designed only for the reception of satellite transmissions for position determination using Global positioning such as GPS, GLONASS, GALILEO or BEIDOU system;
2. A parabolic antenna with a diameter not exceeding 200 cm including side equipment, intended for the reception of satellite broadcasts.
3. Devices operating in the field of infrared frequencies between 1,000 GHz and 3,000 GHz with a transmission not exceeding 200 mW;
4. Computer peripherals (mouse, keyboard);
5. Computer monitors;
6. E-book readers (without cellular functions);
7. Tablets (without cellular functions);
8. Laptops (without cellular function);
9. Desktop computers (without cellular functions);
10. TV Sets without integrated RF signal decoders;
11. A radio receiver for the reception of public broadcasts using FM / DAB / AM technologies;
12. Spare parts for a mobile phone;
13. Wristwatch, excluding mobile wristwatch;
14. Vacuum cleaners;
15. Portable battery-operated metal detectors;
16. Test and measurement equipment
17. Wiring and cabling
18. Radio equipment that is used by radio amateurs
19. Equipment for Maritime or Aeronautical operations with the exception of the drones/RPAS (unmanned Aircraft)
20. Wire line Telecommunications Terminal Equipment

**ANNEX V: APPLICABLE STANDARDS FOR EQUIPMENT TYPE APPROVAL**

<b>EQUIPMENT CLASSIFICATION</b>	<b>EMC</b>	<b>SAFETY</b>	<b>RF</b>
<b>Non- specific Short-Range Devices</b>	EN 301 4893 EN 301 489-1	EN 60950/IEC 60950	EN 300 220-1 EN 300 330-1 EN 300 440-2
<b>GSM Equipment</b>	EN 301 4897 EN 301 489-1	EN 60950/ IEC 60950 EN 50364	EN 301 511
<b>GSM Base stations</b>	EN 301 4898 EN 301 489-8	EN 60950/ IEC 60950 EN 50364 EN 50385	EN 301 502
<b>VSAT Terminal</b>	EN 301 48912 EN 301 489-1	EN 60950/IEC 60950	EN 301 428 EN 301 443 EN 301 426
<b>UMTS handsets</b>	EN 301 48924 EN 301 489-1	EN 60950/IEC 60950 EN 50360 EN 50364	EN 301 908-1 EN 301 908-2 EN 301 908-6
<b>UMTS base stations</b>	EN 301 48923 EN 301 489-1	EN 60950/ IEC 60950 EN 50360 EN 50385	EN 301 908-1 EN 301 908-3 EN 301 908-7 EN 301 908-11
<b>Video Broadcasting Receivers</b>	UCC STANDARD FOR DIGITAL VIDEO BROADCAST (DVB) RECEIVERS		
<b>Short Range Devices</b>	EN 300 330 EN 300 220 EN 300 440 EN 302 065		



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	<i>EN 305 550</i>
	<i>EN 300 718</i> <i>EN 303 659</i> <i>EN 303 204</i> <i>EN 303 258</i> <i>EN 300 328</i> <i>EN 302 567</i> <i>EN 302 608</i> <i>EN 302 609</i> <i>EN 301 091</i> <i>EN 300 674</i> <i>EN 302 288</i> <i>EN 302 858</i> <i>EN 303 360</i> <i>EN 302 372</i> <i>EN 302 729</i> <i>EN 303 660</i> <i>EN 302 500</i> <i>EN 303 883</i>
<b>PMR / PMSE</b>	
<b>Digital Video Broadcasting System / Transmitters</b>	ETSI EN 301 192 ETSI EN 302 307 ETSI EN 300 468 ETSI EN 302 755 ETSI EN 303 743 ETSI EN 300 472 ETSI EN 300 744 ETSI EN 302 583 ETSI EN 302 296 ETSI EN 302 064

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<p align="center"><b>Digital Audio Broadcasting (DAB)</b></p>	<p>ETSI TS 101 759</p> <p>ETSI TS 102 427</p> <p>ETSI EN 300 401</p> <p>ETSI EN 300 797</p>
	<p>ETSI EN 302 077</p>
<p align="center"><b>Radio Broadcasting Systems VHF, FM</b></p>	<p>ETSI ETS 300 384</p> <p>ETSI EN 302 018 ETSI EN 302 018</p>
<p align="center"><b>Radio Broadcasting Systems AM</b></p>	<p>ETSI EN 302 017</p>
<p align="center"><b>Radio Broadcasting Systems DRM</b></p>	<p>ETSI EN 302 245</p>
<p align="center"><b>Terrestrial Trunked Radio (TETRA)</b></p>	<p>ETSI EN 300 396</p>
<p align="center"><b>EMC for Broadcasting equipment</b></p>	<p>ETSI EN 301 489</p> <p>ETSI EN 302 296</p> <p>ETSI EN 302 208</p> <p>ETSI EN 302 998</p>

<b>White Spaces Devices</b>	ETSI EN 301 598 ETSI EN 301 489 IEEE 802.11af IEEE 802.22 IEEE 802.19.1
<b>Satellite Earth Stations and Systems (SES)</b>	ETSI EN 302 550 ETSI EN 301 459 ETSI EN 301 360

## **ANNEX VI: STANDARDS DEVELOPMENT ORGANIZATIONS**

### **List of recognised Standards Development Organization**

- 3rd Generation Partnership Project (3GPP)
- Accellera Organization (Accellera)
- Association for Information and Image Management (AIIM)
- ASTM International
- Cable Television Laboratories (CableLabs)
- International Special Committee on Radio Interference (CISPR)
- ECMA International (ECMA)
- Global supply chain standards - identification numbers, barcodes, electronic commerce transactions, RFID (GS1)
- Infiniband Trade Association (IBTA)
- International Electrotechnical Commission (IEC)
- Institute of Electrical and Electronics Engineers (IEEE)
- Internet Engineering Task Force (IETF)
- International Organization for Standardization (ISO)

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- International Telecommunication Union (ITU)
- Organization for the Advancement of Structured Information Standards (OASIS)
- World Wide Web Consortium (W3C)
- European Committee for Standardization (CEN)
- European Committee for Electrotechnical Standardization (CENELEC)
- European Telecommunications Standards Institute (ETSI)
- Radio Equipment Directive (RED)
- Global System for Mobile Communications Association (GSMA)
- International Commission on Non-Ionizing Radiation Protection (ICNIRP)