



# **TYPE APPROVAL RULES 2016**

**Bhutan InfoComm and Media Authority**

**Royal Government of Bhutan**

## Contents

Chapter 1: Preliminary .....	1
1.1 Legal Basis .....	1
1.2 Title and Commencement.....	1
1.3 Scope of Application .....	1
1.4 Amendments.....	1
1.5 Interpretation .....	1
1.6 Rules of Construction.....	1
1.7 Definition.....	2
Chapter 2 : Objective and Standards .....	3
2.1 Objective .....	3
2.2 Standards and Type Approval Bodies recognized by the Authority .....	3
Chapter 3: Type Approval Process.....	4
3.1 Type Approval of ICT Equipments.....	4
3.2 Validity of the Type Approval.....	4
3.3 Revocation of Type Approval .....	5
3.4 Exemption from Type Approval.....	5
Chapter 4: Obligation of the Certificate Holders .....	6
4.1 Obligation of the National Certificate Holders .....	6
4.2 Labeling.....	7
Chapter 5: Breach of Rules.....	7
5.1 Contravention and Enforcement .....	7
ANNEXURE 1: FEE.....	8
ANNEXURE 2: APPLICATION FORM FOR TYPE APPROVAL.....	9
ANNEXURE 3: List of ICT equipments exempted from Type Approval.....	11
ANNEXURE 4: List of International Standardization Bodies.....	12
ANNEXURE 5: List of Accredited Testing Laboratories recognized by the Authority .....	13
ANNEXURE 6: List of Accredited Conformity Assessment Bodies.....	14

# Chapter 1

## Preliminary

### 1.1 Legal Basis

The Type Approval Rules is issued by the Bhutan InfoComm and Media Authority (the “Authority”) in accordance with Sections 68 of the Bhutan Information, Communications and Media Act of 2006 (the “Act”) that authorize the Authority to establish or adopt appropriate standards for ICT apparatus including Radiocommunications apparatus to be connected to any national ICT facilities within the Kingdom of Bhutan.

### 1.2 Title and Commencement

These Rules shall be cited as the Type Approval Rules 2016 and shall come into force from the 15 (day) of December (month) of the year 2016.

### 1.3 Scope of Application

These Rules shall apply to:

- a) Parties that import for use or sale, sell or hire out any ICT apparatus including Radio communications apparatus within the Kingdom of Bhutan; or
- b) Any foreign parties that intend to Type Approve or sale ICT apparatus in Bhutan.

### 1.4 Amendments

Amendment to these Rules shall be made in accordance with the needs and changes in national priorities, Government policies and industry trends. Hence, the amendment of these Rules by way of addition, variation or repeal may be effected by the Authority as and when required, after two thirds majority votes of the Members.

### 1.5 Interpretation

The power to interpret these Rules shall vest with the Authority who may issue such instructions as may be necessary to give effect to and implement the provisions of these Rules.

### 1.6 Rules of Construction

In these Rules, unless the context indicates otherwise, the masculine gender shall include the feminine gender and the singular shall include the plural.

## 1.7 Definition

For the purpose of this set of rules, the terms used in this part have the following meanings:

- a) “Certificate Holder” means a supplier who has been certified by the Authority to supply or sale particular ICT equipment(s).
- b) “Declaration of Conformity” means a declaration, meeting the requirements identified in these Rules that an Equipment Type complies with applicable Type Approval Standards.
- c) “Equipment Holder” means a provider of communications services or a supplier of ICT equipment.
- d) “Equipment Type” means a type of communications equipment specified in terms of its manufacturing brand name, trade name, model number, version number and function.
- e) “Type Approval” means an authorization by the Authority to use or supply an Equipment Type;
- f) “Radio and Telecommunications Terminal Equipment (RTTE)” covers all telecommunications terminal equipment which connects directly to a public telecommunications network and all intentional emitters of electromagnetic radiation (Radio waves).
- g) “Type Approval Standards” (“Standards”) means any standards published by the Authority pursuant to Section 27 of the Act.

## **Chapter 2**

### **Objective and Standards**

#### **2.1 Objective**

The objectives of these Rules are to:

- a) Ensure that the ICT apparatus are interoperable and can be interconnected with any communications networks;
- b) Ensure that the ICT apparatus do not cause any damage to the public telecommunications network and public health;
- c) Ensure that the ICT apparatus do not generate electromagnetic disturbance exceeding the prescribed internationally accepted level;
- d) Promote and assure the quality of ICT equipments ;
- e) Define processes for the Type Approval of communications equipment; and
- f) Identify applicable technical standards, including those promulgated by International standard organization and Regional standards organization.

#### **2.2 Standards and Type Approval Bodies recognized by the Authority**

- a) The Authority shall publish the Standards which are recognized for Type Approval process. However, the Authority may from time to time review and modify these Standards as per the advice, feed-back and recommendations from the internal and external advisory groups. However, the Authority shall not be bound by any such advice unless it is valid and in accordance with the provision of the Act.
- b) The Authority shall maintain and publish list of test laboratories that are recognized by the Authority for Declaration of Conformity. The list of test laboratories shall include, but may not be limited to, those accredited by international accreditation mechanisms, including under the International Laboratory Accreditation Cooperation Mutual Recognition Agreement.

## Chapter 3

### Type Approval Process

#### 3.1 Type Approval of ICT Equipments

a) Only those ICT equipment which are either:

- i. Type Approved by the Authority; or
- ii. Exempted from Type Approval as specified in Annexure 3 of these Rules,

are allowed for use or supply for sale in Bhutan.

b) For obtaining the Type Approval Certificate, the applicant shall submit an application (ANNEX A) along with:

- i. The Declaration of Conformity issued by the manufacturer of the RTTE.
- ii. Test report/ certificate issued by any internationally accredited test laboratories recognized by the Authority demonstrating that the RTTE complies with the standard adopted by Bhutan with respect to:
- iii. Effective use of radio frequency spectrum for radio communication equipment;
- iv. Interconnection with the National Telecommunications Network ( in case the equipment is to be interconnected to National Telecommunications Network);
- v. The protection of the health and the safety of the user; and
- vi. Electromagnetic Compatibility.

c) For International Applicants, a copy of the proof payment as prescribed in Schedule I of these Rules shall also be submitted along with the application.

#### 3.2 Validity of the Type Approval

a) The Type Approval for any particular RTTE shall be granted with an unlimited period of time provided no modifications have been made to the approved RTTE.

b) In the event, if the existing Type Approved RTTE is modified with respect to

manufacturing brand name, product name, model number, functions or any changes that affect the earlier information submitted to the Authority, then a new Type Approval should be obtained from the Authority.

- c) Whenever changes to the Type-Approved RTTE may affect the network interface or have an effect on the specific essential requirements relating to safety, EMC or radio frequency behavior of the concerned RTTE, a new for Type Approval should be obtained from the Authority.

### **3.3 Revocation of Type Approval**

- a) The Authority shall revoke the Type Approval, if found significant evidence that the Equipment Type:
  - i. Does not comply with the applicable Type Approval Standards;
  - ii. Interferes with the operation of any licensed communications network;
  - iii. Constitutes a public hazard; or
  - iv. Any information submitted to the Authority is found to be counterfeit or false.
- b) The Authority shall publish a notice to inform Equipment Holders about the revocation of a Type Approval or the annulment of an exemption from Type Approval.

### **3.4 Exemption from Type Approval**

The list of ICT apparatus that are exempted from Type Approval are given in **Annex C**. The Authority may review and modify the list, whenever such revision is felt necessary and required.

## Chapter 4

### Obligation of the Certificate Holders

#### 4.1 Obligation of the National Certificate Holders

- a) The Certificate Holder who intent to use or supply of RTTE for sale or distribution within the country, they shall ensure:
  - i. To maintain the list of equipment sold or installed (location) or configured including the list of frequency as assigned by the Authority. The Authority may seek such information as and when requested ;
  - ii. That any RTTE in his/her possession is not used for any unlawful purpose;
  - iii. Not to conduct any test of radio transmission without the prior approval of the Authority;
  - iv. To permit authorized official, upon production of proof of identity, to enter any land, building or premises owned or occupied by the Certified Holders, to inspect and examine any ICT equipment which is kept or stored for sale in Bhutan; and
  - v. To collect spoiled equipments and re-export to the manufacturers or its authorized agent for recycling as per the Waste Prevention and Management Regulation 2012.
- b) The Certificate Holder shall not have in his/her possession for sale or use any device or equipment which:
  - i. Is capable of monitoring, scanning or intercepting the transmission of information or communication signal; or
  - ii. Can be used to alter, delete or remove the ESN (Electronic Serial Number), MIN (Mobile Identification Number), IMSI (International Mobile Subscriber Identity) or PIN (Personal Identification Number) number of any registered ICT equipment or to insert or duplicate the ESN, MIN, IMSI or PIN of any registered ICT equipment in any unregistered ICT equipment.



## 4.2 Labeling

For sale or distribution of Type Approved RTTE, the Certificate Holder shall ensure to carry a paper seal on the product with the phrase “Type Approved by BICMA” as prescribed below:



## Chapter 5

### Breach of Rules

#### 5.1 Contravention and Enforcement

- a) Any Equipment Holder that fails to fulfill those obligations prescribed in these Rules or the Type Approval Standards shall be considered as contravention to the provision of these Rules.
- b) If the Equipment Holder commits any contravention to the provision of these Rules, the Authority shall act as per the provision of these Rules and the Act.

## ANNEXURE 1: FEE

### 1. Type Approval

Application process fee	Amount
	Nu.1000.00 or USD 20.00

Note:

a) For international applications, the application process fee should be made by bank transfer to the following account:

- **Beneficiary Bank:**

Bank of Bhutan Ltd. Phuentsholing, Bhutan

- **Receiver's Correspondent Bank:**

Standard Chartered Bank

One Madison Avenue

New York, N.Y.10010-3603

- Account No: 3582036853001

Swift Code: SCBLUS33

- CHIPS ABA0256

- FEDABA026002561

- **Ultimate Beneficiary:**

1. Account No: CD/100902335

2. Beneficiary Name: **Bhutan InfoComm and Media Authority.**

3. BOBL Branch Name: **Thimphu**

b) The Proof of payment of the prescribed fee must be included with the application for Type Approval submitted to the Authority. This proof of payment can be, either a scanned image or screenshot of a bank or credit card statement.



འབྲུག་བཅད་དོན་བརྒྱན་འབྲེལ་དང་བཅད་བརྒྱན་དབང་འཛིན།  
 དཔལ་ལྷན་འབྲུག་གཞུང་།

BHUTAN INFOCOMM AND MEDIA AUTHORITY  
 ROYAL GOVERNMENT OF BHUTAN



## ANNEXURE 2: APPLICATION FORM FOR TYPE APPROVAL

Instructions for completion

1. Fill up all relevant parts in BLOCK letters. If a part is not applicable, write “N/A”.
2.  tick where appropriate.
3. The completed form, together with the required supporting documents and application fee should be sent to Bhutan InfoComm and Media Authority.
4. Application form without complete information and documents will not be accepted.

PART A: Particulars of the Applicant	
Company Name	
Company Address:	
Fixed Line #:	P.O Box:
Fax #	Website:
Authorized Person Name :	
Designation:	
Mobile #:	E-mail ID:
PART B: Details of the Equipment	
Intended Use	<input type="checkbox"/> Individual <input type="checkbox"/> Business
Name of the Equipment	
Brand Name/Trade Name	
Model Name/Number	
Serial Number/Code	
Manufacturer's Name	
Manufacturer's Address	Postal Address:
	Phone No:
	Contact Person :
	Email Id:

Country of Origin:	
Acceptance Test Information	Factory Acceptance Test (FAT) performed <input type="radio"/> Yes <input type="radio"/> No
	Date of FAT: _____ Place: _____
	Site Acceptance Test (SAT) Performed <input type="radio"/> Yes <input type="radio"/> No
	Date of SAT: _____ Place: _____
<b>PART C: Documentation</b>	
<ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Copy of the Technical and Operational document</li> <li>2. <input checked="" type="checkbox"/> Test Report (EMR Test Reports)</li> <li>3. <input type="checkbox"/> Signed Declaration of conformity with the list of standards(e.g ITU)</li> <li>4. <input type="checkbox"/> Proof of the application fee</li> <li>5. <input type="checkbox"/> Others</li> </ol>	
<b>PART D: Payment</b>	
<input type="checkbox"/> Application fee : USD 20 OR Nu. 1000.00	
<b>PART E: Declaration</b>	
<p>All the information and documents submitted along with this application form are to the best of my /our knowledge true and correct.</p> <p>Signature of the applicant: Name: Date: (Company Seal)</p>	

### ANNEXURE 3: List of ICT equipments exempted from Type Approval

Sl	Equipment Type	Description	Specification of the technology
1	Mobile Handsets	Equipment that receives and transmit voice and data signal under the control of public network for personal communications.	GSM and UMTS
2	Telephone handsets including cordless , desktop, PABX and fax	Equipment that can receive and transmit voice and data signal under the control of public network.	All types of telephone handsets
3	Data Modem	Equipment that can receive and transmit voice and data signal under the control of public network.	ASDL/DSL and any type of wireless modem
4	RTTE embedded in personal computer (PC)	Equipment which is embedded in either PC or laptop that could either receive or transmit with output power below 100mW.	Laptop or personal computers equipped with short-range radio technology such as WiFi, Bluetooth
5	Fixed short-range wireless terminal equipments	Equipment that offers low risk of interference with other radio services, and has lower range and power.	Bluetooth, Wi-Fi, CCTV, Cordless audio devices( including wireless microphones), Radio Frequency Identification (RFID)
6	Amateur Radio	Equipment that is used by the licensed radio amateur user.	Amateur radio in line with ITU region 3 requirements
7	Broadcast Receivers	Equipment that can only receive sound, data and television broadcasting services	Global Positioning System (GPS), Radio sets ( FM/AM/SW), Satellite dish, Set-top-box
8	Vehicle component	Equipment that is installed as part of vehicle for navigation, remote sensor and remote car key	GPS, Remote Sensor device( RSD), Remote car key, vehicle tracking System , vehicle security device
9	Infrared remote control equipment	Equipment with short range infrared remote control device	Remote control, Access control ( door and gate opener), Alarms and movement detector,
10	Military equipment	Equipment used by armed forces for communications and security purposes	All types

## ANNEXURE 4: List of International Standardization Bodies

The Authority recognizes all the standards developed by the following International Standardization Bodies:

Sl	International Standardization Bodies
1	International Telecommunications Union ( ITU)
2	Inter Organization for Standardization (ISO)
3	American National Standards Institute (ANSI)
4	European Telecommunications Standards Institute ( ETSI)
5	Telecommunications Industry Associations (TIA)
6	International Electrotechnical Commission (IEC)
7	Institute of Electrical and Electronics Engineering (IEEE)
8	Internet Engineering Task Force (IETF)
9	Organization for the Advancement of Structured Information Standards (OASIS)
10	The 3 <sup>rd</sup> Generation Partnership Project (3GPP)
11	The 3 <sup>rd</sup> Generation Partnership Project 2 ( 3GPP2)
12	Regional Asia Information Security Standards Exchange (RAISS) Forum
13	Japanese Accreditation Board for Conformity Assessment (JAB)

## ANNEXURE 5: List of Accredited Testing Laboratories recognized by the Authority

1. USA NIST  
<http://ts.nist.gov/standards/scopes/programs.htm>  
<http://ts.nist.gov/standards/scopes/ect.htm>
2. AUSTRALIA  
[www.austest.com.au/about\\_us.php](http://www.austest.com.au/about_us.php)
3. European  
<http://start.europadev.com/Home/consultancy-1>
4. A4Labs  
[www.at4wireless.com/testing-certification-services/accreditations.html](http://www.at4wireless.com/testing-certification-services/accreditations.html)
5. TUNISIA  
[www.cert.nat.tn](http://www.cert.nat.tn)
6. FCC Q&A SITE  
[www.bureauveritas.com/wps/wcm/connect/bv\\_com/group/home/news/did-you-know-that/fcc\\_fags?presentationtemplate=bv\\_master/news\\_full\\_story\\_presentation](http://www.bureauveritas.com/wps/wcm/connect/bv_com/group/home/news/did-you-know-that/fcc_fags?presentationtemplate=bv_master/news_full_story_presentation)
7. MIDDLE EAST  
[www.uaelab.ae/UAELAB/about\\_UAELAB.htm](http://www.uaelab.ae/UAELAB/about_UAELAB.htm)  
[www.goglobalcompliance.com/](http://www.goglobalcompliance.com/)  
[www.ntra.gov.eg/arabic/main.asp](http://www.ntra.gov.eg/arabic/main.asp)  
[www.contractlaboratory.com/labclass/telecommunications.cfm](http://www.contractlaboratory.com/labclass/telecommunications.cfm)  
[www.intertek.com/it/](http://www.intertek.com/it/)
8. RUSSIAN FEDERATION  
<http://zniis.ru/ITTC.html>
9. SINTESIO LABORATORY SLOVENIA  
[www.sintesio.org/about\\_us/](http://www.sintesio.org/about_us/)
10. CANADA – INDUSTRY CANADA  
[www.ic.gc.ca/eic/site/smt-gst.nsf/eng/home](http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/home)
11. AFRICA, CHINA, ASEAN, CIS, LATIN AMERICA TEST LABS (Link to ITU webpage)  
[www.itu.int/dms\\_pub/itu-t/oth/06/24/T06240000010009MSWE.doc](http://www.itu.int/dms_pub/itu-t/oth/06/24/T06240000010009MSWE.doc)

Source: ITU, 2012

## **ANNEXURE 6: List of Accredited Conformity Assessment Bodies**

All the members of the International Accreditation Forum (IAF)<sup>1</sup> are recognized by the Authority as the accredited conformity Assessment bodies for type approving the ICT equipments.

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<sup>1</sup> IAF is the world association of Conformity Assessment Accreditation Bodies and other bodies interested in conformity assessment in the fields of management systems, products, services, personnel and other similar programmes of conformity assessment. Its primary function is to develop a single worldwide program of conformity assessment which reduces risk for business and its customers by assuring them that accredited certificates may be relied upon. Accreditation assures users of the competence and impartiality of the body accredited. (<http://www.iaf.nu/>)