

In exercise of powers conferred under sub-section (2) of section 29 read with clause (o) of sub-section (2) of section 5 of the Pakistan Telecommunication (Re-organization) Act, 1996 the Authority hereby makes the following regulations, namely:

PART - I

Preliminary

1. Short title and Commencement. (1) These Regulations may be called the 'Type Approval Technical Standards Regulations, 2017'

(2) These Regulations shall come into force from the date of gazette notification.

2. Definitions. -In these regulations, unless there is anything repugnant in the subject or context:

- (a) "**Act**" means the Pakistan Telecommunication (Re-organization) Act,1996;
- (b) "**Authority**" means the Pakistan Telecommunication Authority established under section 3 of the Act;
- (c) "**Terminal Equipment**" means any apparatus directly or indirectly connected to any network termination point and used for sending, processing receiving intelligence;
- (d) "**Type Approval Certificate(Certificate)**" means the certification that a type/model of terminal equipment conforms to the technical standards prescribed by the Authority;

(2) Words and expressions used but not defined herein shall bear the meanings given there in the Act or the Rules.

3. Terminal Equipment Standards. -(1) All Terminal Equipment shall conform to the technical standards as prescribed by the Authority:

Provided that where the Authority has not prescribed any technical standards for a type of terminal equipment, the standards laid down by International Telecommunication Union shall be adopted by the Authority and shall be binding accordingly:

Provided further that the copy of the standards shall be made available in the offices of the Authority and on the PTA website at www.pta.gov.pk

(2) The Authority may recognize the test reports issued by world-renowned laboratories e.g. China National Accreditation Services (CNAS)International Laboratory Accreditation Cooperation (ILAC), National Voluntary Laboratory Accreditation Program (NVLAP) etc. in cases where the testing of

certain terminal equipment is not technically/economically feasible in the Pakistan.

PART-II

Procedure for Type Approval of Terminal Equipment

4. Application.

(1) An application for the type approval of Terminal Equipment shall be submitted to the Authority in the prescribed format as Annex- A, along with supporting information as specified in regulation 5:

Provided that the Type Approval Certificate may, subject to requirements provided in these regulations, be issued to company.

(2) The application shall be examined and subject to fulfillment of the requirements provided in these Regulations and the type approval certificate shall be issued on fulfilment of the same.

(a) If a manufacturer intends to obtain type approval under its name, name of all authorize distributor will be indicated in the type approval certificate so that authorized distributor can import and market the equipment.

(b) For all SIM based devices, the type approval holder or its authorized distributor shall use a unique IMEI issued by GSM Association. For each new consignment imported in Pakistan, type approval holder/authorized distributor will apply to PTA by submitting IMEI contained within imported consignment along with supporting documents at commercialnoc@pta.gov.pk

(c) If the local dealer(s)/distributor(s) intend to obtain Type Approval in its name, it shall submit authorization letter issued from the manufacturer nominating an authorized distributor or agent for that product. Furthermore, a type approval certificate for the same terminal equipment may be issued to more than one authorized dealers/distributors separately under their names provided they meet all codal formalities set out in these regulations.

(d) If an applicant intends to obtain Type Approval for a model which has already been type approved by the PTA, the applicant will be exempted from provision of Test reports, however all other codal requirements listed as part of type approval process shall be mandatory.

(e) Any type approval holder may appoint a distributor who may represent the type approved product provided they submit copy of issued Type Approval Certificate, Authorization letter from Type Holder nominating the distributor and proof of after sales services, contact details/email for principal applicant/type approval holder are to be included in case of verification of same is required by PTA.

(f) Only PTA licensees who are authorized under their license to provide tracking services shall be considered for type approval of tracking equipment in accordance with the procedure prescribed in these Regulations.

(3) Provided that any concealment of material facts, by the applicant at the time of submitting application or thereafter shall render the type approval certificate liable to be cancelled.

(4) PTA has the right to cancel/suspend the issued Type Approval Certificate in case the product being imported/sold is found to be having manufacturing faults, hazardous to health/safety and not conforming to standards stated at the time of type approval

(5) A Type Approval application is to be made for each model separately and issuance of the certificate referred in sub-regulation (2) shall be made for one of model of the terminal equipment and be stated within the certificate with model name and model number respectively.

(6) Applicant is required to submit a sample quantity (1) along with the application for type approval to be used for testing and evaluation by the PTA. Upon successful issuance of type approval certificate, applicant may request PTA in writing for return of the sample which may be collected by applicant from PTA premises, no dispatching of sample will be done by PTA. Furthermore, PTA reserves the right to ask for the returned sample as and when required.

(7) The applicant shall ensure that the description of the type of terminal equipment manufactured/supplied later shall be in accordance with the sample provided to the Authority for type approval.

(8) All concerned shall follow the directives, guidelines and standing operating procedure of the type approval issued from time to time by the PTA.

5. Supporting Information.-(1) All applications under regulation 4 shall include following supporting information along with application request attached as Annex C to these Regulations.

(a) Application form

(b) Applicants Undertaking;

(c) Credentials of the Applicant will be required

a. Registration from SECP/NTN for the local company/organization/entity

b. In case company is foreign manufacturer then it shall appoint a local representative and the local representative shall provide the company registration from SECP and authorization letter from applicant allowing him to represent on the behalf of applicant.

(d) Safety Test reports;

(e) Radio Test Reports for terminal equipment having wireless connectivity;

(f) EMC/EMI Test reports;

- (g) SAR (Specific Absorption Rate) Report for Handheld devices only;
- (h) Technical Data Sheet, reflecting Specifications for the device
- (i) Authorization letter from manufacture (containing contact details/email of manufacturer) to its authorized distributor for the applied model
- (j) Wi-Max terminal equipment, certification from Wi-Max forum are to be provided
- (k) Processing fee (*Non-refundable*) of US \$100 or equivalent Pak Rupees and Type Approval Certificate issuance fee in Pak Rupees equivalent to amount as stated in *Annex B*;
- (l) One sample of the terminal equipment;
- (m) Type Access Code (TAC) certificate from GSMA Association in case GSM module is used.
- (n) Declaration of Conformity by the manufacturer reflecting the applied device standards
- (o) Undertaking from manufacturer that device and all native applications installed do not support any customized in-built encryption (PTA reserves the right to forward to concerned government bodies for evaluation/clearance as and when deemed necessary)
- (p) Undertaking from manufacturer that user data within the devices would be secure and would not be used for mala fide purpose
- (q) Any other supporting information/ documents that the Authority may require as part of application evaluation.

6. All Wireless Radio based Terminal Equipment. - All Terminal equipment having wireless functionality shall operate on non-interference basis within the allowed frequency spectrum allowed by PTA/FAB.

7. Application Processing and Type Approval Fees.-(1) The list of all terminal equipment to be type approved by the Authority along with processing and type approval fees shall be placed on PTA website (www.pta.gov.pk).

(2) The applicant shall pay the application processing fee along with the application for each type of terminal equipment:

Provided that in the case an applicant intends to withdraw the application before the type approval is granted, the application processing fee shall not be refunded:

Provided further that the type approval fee shall be charged upon grant of type approval of the requested terminal equipment.

(3) The amount specified as Application Processing and Type Approval fee is to be deposited in the name of Pakistan Telecommunication Authority in a prescribed bank account:

8. Processing of Application by the Authority. -Upon receipt of application complete in all respects and deposit of prescribed fee, the Authority shall carry out an initial assessment to determine the suitability for grant of type approval certificate and shall allot a reference number to the applicant for the purpose of future correspondence and identification of the application:

Provided that if the application is incomplete, the Authority may return the application to make up the deficiency within the given time i.e. 7 working days, failure to provide the same within the stipulated time may lead to denial of the application.

9. Grant Type Approval Certificate.-(1) The Type Approval Certificate may be issued if the Authority is satisfied that:

- (a) the application complies with these Regulations;
- (b) the Terminal Equipment fulfills all the relevant technical standards/requirements;
- (c) All fees due under these regulations have been deposited in the designated account;
- (d) Type Approval code for IMEI based devices issued by GSMA;and
- (e) Terms and conditions of Type Approval issued by Authority and any other directives issued from time to time

10. Issuance of Duplicate Type Approval Certificate and Updating the Type Approval Certificate

(1) Duplicate Type Approval Certificate may be issued by the Authority subject to the following:

- (a) Provision of request on type approval holder company letterhead;
- (b) Provision of an undertaking stating the reasons of requirement of duplicate certificate;
- (c) Deposit of the prescribed processing fee in Annex B;
- (d) Copy of Intimation to PTA of lost/ misplaced original certificate;
- (e) Copy of already issued type approval certificate.

(2) All modifications in the certified terminal equipment, however small, shall be assessed by the type approval certificate holder for the purpose of compliance with the prescribed standards and approval from the Authority:

Provided that the applicant shall send full details of the changes made in the terminal equipment along with supporting diagrams and processing fee (non-refundable):

Provided that the Authority may require a test sample for verification purposes.

(4) The applicant/type approval holder shall notify to the Authority, if any of the information in the type approval certificate that becomes outdated, which includes but is not limited to:

- (a) the name or address of the holder; and
- (b) the name or model number under which the terminal equipment.

(4) Updating of Type approval certificate shall be done through issuance of Addendum and incorporating necessary changes in "Type Approval Register" on the request of the applicant /type approval holder.

(5) In case, if already type approved model has been upgraded by the manufacturer and there is no change in the hardware but in the software, it will not require Type approval from the PTA. However, if the hardware for the device has been changed, the model will require a fresh Type Approval

(6) Each Model of Terminal Equipment will require a separate Type Approval

PART-III General Conditions

11. Withdrawal of Type Approval Certificate. -The Authority may revoke the Type Approval Certificate at any time on any of the following grounds: -

- (a) If at any stage the type approval certificate holder acts in contrary to these Regulations;
- (b) if the terminal equipment that has been connected to a public switched network differs in any way from the original sample/ test reports submitted at the time of type approval
- (c) In case the product being imported/sold is found to be having manufacturing faults, hazardous to health/safety and not conforming to standards stated at the time of type approval

12. Procedure for issuance of Certification of Standard Compliance

Authority may consider request for issuance of certificate of Standard compliance to companies, academia, government bodies etc. on non-commercial and non-interference use basis and within PTA/FAB allowed spectrum for following categories:

- a) Research and Development (R&D) or Test and Trial
- b) Engineering samples/ prototype imported for non-commercial purpose only
- c) Sample imported for purpose of type approval
- d) Non-terminal equipment detained by customs authority requiring technical clarification from PTA

Applicant may submit request for above mentioned category by submitting document and form reflected in **Annex D**

Note: Foreign Missions including High Commissions and Embassies shall file their NOC requests for import of telecommunication equipment through Ministry of Foreign Affairs, however they will have to apply for Type approval for terminal equipment after providing required documents/fee to the PTA.

13. **Type Approval Register.** – The Authority shall maintain a register of all terminal equipment approved under these Regulations and shall keep it open to public inspection.

14. **Repeal and Savings.**-(1) The Type Approval Regulations, 2004 are hereby repealed.

(2) Notwithstanding anything contained hereinbefore, all orders made, actions taken, notifications issued, shall be deemed always to have been lawfully and validly made, taken, issued, vested or transferred under these regulations and shall continue to be in force unless amended, varied, withdrawn, rescinded or annulled by a person or authority competent to do so under these regulations.

15. **Identity of Terminal Equipment that is type approved by PTA**

(1) In order to verify that the terminal equipment being sold commercially is a type approved model, the type approval holder will place a verifiable sign with following details at a minimum on each type approved terminal equipment as follows:

- (a) Regulatory label ;and
- (b) Unique TA number.

(2) Manufacturer(s)/ importer(s)/dealer(s) shall, specify that the terminal equipment offered by them is "Approved by PTA" .



Government of Pakistan
PAKISTAN TELECOMMUNICATION AUTHORITY
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APPLICATION FORM: TYPE APPROVAL OF TERMINAL EQUIPMENT

Applicant's details (tick appropriate / insert registration number)
Manufacturer (local or Foreign) [] Local [] Foreign*
/ NTN Registration No.:
Applicant Company Name
Contact Person
Mailing Address
P.O. Box
Telephone
E-mail
Fax No
MANUFACTURER DETAILS
Company Name
Contact Person
Mailing Address
P.O. Box
Telephone
E-mail
Fax No
Device Purpose of Use
Please submit the following documents along with this filled in application form: Processing fee is non-refundable
Following list of documents needs to be submitted in soft format i.e. USB/ CD etc. (No hard copies accepted)
1. Undertaking from applicant that PTA Regulations/Directives will be followed
2. Sample (1)
3. After Sales Service Facility/ Customer Service Center
4. In case of a new company NTN, SECP, Company Profile etc.
5. Test Reports EMC/EMI, Safety, RF Report for frequency based devices, SAR Report for handheld devices, Functional Test report, Declaration of Conformity
6. GSMA TAC Allocation for IMEI based devices
7. Authorization letter from manufacture for the Distributor(s)
8. Origin of Manufacture
9. Undertaking from manufacturer that device and all native applications installed do not support any customized in-built encryption (PTA reserves the right to forward to concerned government bodies for evaluation/clearance as and when deemed necessary)
10. Undertaking from manufacturer that user data within the devices would be secure and would not be used for mala fide purpose
TECHNICAL DETAILS OF THE EQUIPMENT

Equipment category	<input type="checkbox"/> Tracking System Devices <input type="checkbox"/> IP Phones <input type="checkbox"/> PABX/IP -PABX <input type="checkbox"/> Mobile Phone handsets, tablet with SIM functionality, dongles etc. <input type="checkbox"/> VoIP terminal equipment (Gateways etc.) <input type="checkbox"/> Wireless Radio Trans/Receiver Sets with more than 2 mw output power (VHF, UHF, HF, Two Way Radios etc.) <input type="checkbox"/> Others (please specify): _____				
Model number		Brand name		Marketing Name	
Country of origin					
Operating Frequency Range	From			Hz to	Hz
Output Power [mW] radiated/ EIRP (dBm)				Throughput/ Bandwidth	
STANDARDS COMPLIANT WITH					
EMC/EMI				Test report Nr.:	
Radio				Test report Nr.:	
Health and Safety (SAR)				Test report Nr.:	
SIGNATURE OF APPLICANT					
Name (printed):				Date:	
Applicant Signature					

In case of a foreign manufacturer SECP registration is not required, however company profile may be submittedDeclaration from manufacturer is required that device does not support encryption*

UNDERTAKING

I/We hereby apply for the type approval certificate in relation to the [specified] terminal equipment. I/We do agree and abide by the Type Approval Regulations issued by PTA.

I/We further declare that the specimen or specimens offered are the only equipment for Type Approval.

It is certified that I am/We are authorized to sign the application and that all the statements and the exhibits attached with this application are true and correct to the best of my/ our knowledge and belief.

.....
.....
(Authorized signature) *(Name in capitals)* *(Date)*
with official seal *with designation*

Instruction: This undertaking is to be completed by the applicant mentioned in Application form and submitted together with the type approval application/request.

Terminal Equipment Required to be Type Approved List & Fee Structure

S. No.	Type Approval Equipment Categories	Type Approval Certificate Fee	
		Local Manufactured (Pak Rs.)	Imported US\$
1	Tracking System Devices with mobile GSM based functionality (e.g. Vehicle Tracking, Smart Watches with SIM/ Tracking, Equipment Tracking etc.) <i>*Valid PTA License to provide tracking based services is required at the time of application submission</i>	5000	100
2	Satellite Terminal Equipment	5000	100
3	Wireless Radio Trans/Receiver Sets with more than 2 mw output power (e.g. VHF, HF, UHF, Two Way Radio etc)	5000	500
4	IP Phones	5000	500
5	PABX/IP -PABX	5000	500
	(For each additional 100 lines)	1000	100
6	Cellular Mobile Handsets, SIM based Tablets with Functionality, Dongles, Wingles etc.	5000	100
	For each additional GSMA TAC PKR 5000 per TAC	PKR 5000 per GSMA TAC	

Processing Fee (Non-Refundable)

*Note: A non-refundable processing fee of PKR 5000 per application for locally manufactured terminal equipment and USD 100 per case for foreign manufactured terminal equipment will be charged for all new cases, amendment in issued certificate & duplicate certificates

** The list may be revised from time to time in light of future technology advancement as per the Authority approval.*

Checklist for Process of Type Approval Documents

Required Documents	Responsibility
Application Form	Available on PTA website
Application Fee	Available on PTA website
Model No. and Marketing name	Applicant to provide
Equipment Classification	Applicant to provide
Undertaking from applicant that PTA Regulations/Directives will be followed	Applicant to provide
Sample (1)	Applicant to provide
After Sales Service Facility/Customer Service Center	Applicant to provide
<i>In case of a new company NTN, SECP, Company Profile etc.</i>	
Test Reports	
a. EMC/EMI	Applicant to provide
b. Safety	Applicant to provide
c. RF Report for frequency based devices	Applicant to provide
d. SAR Report for handheld devices	Applicant to provide
e. Functional Test report	Applicant to provide
f. Declaration of Conformity DoC	Applicant to provide
Technical Brochure	Applicant to provide
GSMA TAC Allocation for IMEI based devices	Applicant to provide
Authorization letter from manufacture for the Distributor(s)	Applicant to provide
Origin of Manufacture	Applicant to provide
Undertaking about Encryption Features on device from Manufacturer	Applicant to provide
Undertaking from manufacturer that user data within the devices would be secure and would not be used for mala fide purpose	Applicant to provide
OS Report for Mobile devices only	Applicant to provide

Note: The authority may change the checklist from time to time as and when deemed necessary in line with best international practices and technology evolution

Format and document requirement for issuance of certificate of standard compliance

<i>S.No.</i>	<i>Make of Equipment</i>	<i>Model Number Equipment</i>	<i>Qty</i>	<i>Purpose of Use details</i>	<i>End User details</i>	<i>Airway Bill No.</i>	<i>Port name where consignment arrived</i>

Consignee/Applicant Name/ Company Name:

Postal Address:

Phone No:

Email Address:

Following documents are to be included along with request form and emailed at

*commercialnoc@pta.gov.pk with **Subject of email indicating Airway Bill Number, Qty, Make & Model***

- a) Commercial Invoice Copy*
- b) Airway Bill Copy*
- c) Technical Literature Copy*
- d) PTA Request form in Word File Format*
- e) End to End Network Connectivity Diagram*
- f) Request for issuance written and signed on company letterhead*
- g) In case of already type approved model, provide copy of type approval certificate and authority letter from type approval holder*
- h) In case of SIM based devices provide IMEI numbers for each device*

Note: Issued letter will be dispatched at given postal address in the request

List of Items exempted from Type Approval/NOC

S.No.	Equipment Name
1	Networking Equipment (Switches, Firewalls, Servers, Storage Devices)
2	Laptops /Desktops/Personal Computer (PC)
3	Tablet PC with Wifi only Functionality (Non-Sim based devices)
4	GPS only devices
5	Smart Watches with Bluetooth / Wi-fi functionality only (Without SIM or Tracking Features)
6	RFID/Bluetooth/NFC devices
7	Wi-Fi Access Points Operating in ISM Band (2.4-2.5 Ghz, 5725-5.875 GHz) and conform to PTA ISM Band Regulation SRO 287(I)/2016
8	Low powered/ short range key less entry system/ remote controls on non-interference basis

* Listed devices do not require type approval/noc from PTA and may directly be imported as per custom procedures