

Type Approval Procedure

1. How to Apply

Applicant has to apply for Type Approval of terminal equipment by filling out the Type Approval application form and submit along with all required documents as per the checklist. The application form and checklist are available on PTA website.

2. About the Application Form

Separate application is required for each terminal device model. If model of the equipment changes, the applicant will need to get fresh type approval of that equipment from PTA

The type approval applicant may appoint a local 3rd party/representative/consultant etc. for submission of the type approval and certificate of compliance to technical standards (CoC) application and to represent them at PTA.

3. Sample for Testing

Applicant is required to submit a sample quantity (one) along with the application for type approval. Submitted sample should be complete in all respect including accessories allowing PTA to carry out technical evaluation of sample. In case of an IMEI based sample, applicant will ensure sample device IMEI is registered as per DIRBS Regulations prior to submission. Furthermore, PTA may return the sample if the applicant will provide the documentary evidence from the manufacture reflecting manufacturing price to be more than USD 2000 within 3 months from issuance of type approval certificates. Any claim after lapse of this time duration shall not be entertained.

Note: Submitted sample may be disassembled by PTA, to perform internal hardware/PCBA validation/testing etc. as part of technical assessment. Applicant is made aware that such assessment may void device warranty and PTA shall not be liable for it.

4. Type Approval at Module Level

If approval is required for a module which may be used in more than one product or model, then the applicant is required to submit a testable module with all other conformance reports. No further type approval is required if prior module level type approval has been obtained.

5. 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 (Paper or Electronic embedded within the software) with following details at a minimum on each type approved terminal equipment as follows:

(a) Unique Type Approval number issued by PTA and verifiable sign reflecting Approved by PTA.

2. Manufacturer(s)/ authorized distributor(s)/ importer(s)/dealer(s) shall, specify through a verifiable sign (Paper or Electronic embedded within the software) that the terminal equipment offered by them is "Approved by PTA".

3. Type Approval holder using electronic identification sign shall ensure that type approved device equipped with an integrated electronic display screen, or a device without an integrated screen that can only operate in conjunction with a device that has an electronic display screen will show on the electronic display the PTA Identifier that equipment is type approved.

6. Type Approval Application Checklist

S.	Document Checklist	Requirement
1.	Application Form	Mandatory
2.	Application Fee	Mandatory
3.	Undertaking from applicant that PTA Regulations/Directives will be followed	Mandatory
4.	Sample (ONE) with all accessories needed to test the device by PTA.	Mandatory
5.	In case of a new company NTN, SECP, City Government, Company Profile etc. details where applicable, Registration from SECP/City Government/Registrar/Firm along with NTN for local company /organization/company. Foreign companies will provide company profile, company registration etc. in their respective country whichever is applicable.	Mandatory
6.	Declaration of Conformity (DoC) by the manufacturer reflecting the applied device standards e.g. RF, Safety, SAR, EMC/EMI etc.	Mandatory
7.	Provision of Type Allocation Code (TAC) details (e.g. GSMA TAC Certificate or GSMA TAC Code programmed on applied model devices etc.) from GSMA in case of device offering IMEI/SIM base functionality. As part of evaluation of type approval request PTA will verify applied TAC with GSMA database and if needed further verification can be asked directly from GSMA for specific TAC. Upon approval of type approval request, all GSMA TAC (excluding those TAC which is placed on blacklist by the Authority) issued against the specific model to be included. Furthermore, manufacturers/type approval holder /persons will ensure that device IMEI cannot be modified and no such provision will be built in the mobile device for use to perform such change.	Mandatory

S. Document Checklist		Requirement
8.	Undertaking from manufacturer that device being type approved is for mass produce consumer purpose only and all native applications installed do not support any customized in-built encryption as part of its primary device functions. Provided that PTA reserves the right to forward relevant device information to concerned government bodies for evaluation/clearance as and when deemed necessary	Mandatory
9.	Undertaking from manufacturer that sanctity/privacy of the user data shall be ensured	Mandatory
10.	Technical Data Sheet, reflecting Specifications for the device e.g. output power, operating frequency, range etc.	Mandatory
11.	System based testing/checking e.g. Operating system, firmware, Internal hardware installed such as PCBA board etc.	As and when required by PTA, where PTA may also ask for physical/Remote demo by applicant/manufacturer to explain features of device
12.	Test Reports for standards reflected within DoC	Detailed test reports for standards reflected within Declaration of Conformity shall be submitted to PTA as and when required e.g. RF, Safety, SAR, EMC/EMI etc. PTA reserves the right to send such reports to issuing lab/OEM/Manufacturer for verification as and when required

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

7. Terminal Equipment Required to be Type Approved & Fee Structure

The Authority Charges Application Processing Fee (Non-Refundable) and Type Approval Certificate Fee separately. The application processing fee is in Pak Rupees equivalent to US\$100 for local and imported equipment respectively and is non-refundable. The type approval fee for each category is separate and mentioned in table below.

S. No.	Type Approval Equipment Categories	Local Manufactured (Pak Rs.)	Imported US\$
1	Tracking System Devices with SIM/IMEI based functionality, transmitting Location details (e.g. Vehicle Tracking, Smart Watches with SIM/Tracking, Equipment Tracking etc.)	5000	100
2	Satellite Terminal Equipment	5000	100
3	Wireless Radio Trans/Receiver, Repeaters Sets (e.g. VHF, HF, UHF, Two Way Radio, Maritime etc.)	5000	100

S. No.	Type Approval Equipment Categories	Local Manufactured (Pak Rs.)	Imported US\$
4	Terminal Devices operating in ISM as defined PTA ISM band regulations, GNSS within FAB prescribed band & usage conditions etc.	5000	100
5	Short Range Devices (SRD), Ultra-Wide Band (UWB), IoT devices, RFID, Bluetooth, Immobilizers, Inductive Loop Systems, smart metering, telecontrol telemetering, Machine to Machine (M2M) etc. as defined in PTA Regulatory Framework for Short Range Devices (SRD) & Terrestrial Internet of Things (IoT) Services etc.	2500	50
6	IP Phones, Video Conferencing, VoIP Systems, Gateway etc.	5000	100
7	PABX/IP –PABX	5000	100
	(For each additional 100 lines)	1000	100
8	SIM/IMEI/Wi-Fi based Mobile Devices e.g. Mobile Handsets, Wi-Fi Tablets, Dongles, Wingles etc.	5000	100

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

* For Serial No. 5 a non-refundable processing fee of PKR 2500 per application for locally manufactured devices and a non-refundable processing fee of USD 50 per application for foreign manufactured devices shall be applicable.

* The list of terminal equipment may be revised by the Authority from time to time.

The amount has to be deposited to PTA in the form of pay order / demand draft. Particulars of bank account are as under:

Bank Account Detail for Deposit of Pakistan Telecommunication Authority Dues/Fees/Charges (Excluding AJK&GB and MoIT Dues)	
Account Title	Pakistan Telecomm. Authority Fund A/C
Bank Account Number	3000942222
Bank Name	National Bank of Pakistan
IBAN	PK39NBPA2221003000942222
Branch Code	2221
Branch Address	Ground Floor, NBP Building, Sector G-5/1, Islamabad, 44000, Pakistan. Contact: 051-9244969

8. Terminal Equipment Standards

(1) All Terminal Equipment shall conform to the technical standards as prescribed by the Authority from time to time. Provided that where the Authority has not prescribed any technical standards for a type of terminal equipment, the technical standards laid down by following standardization bodies may be adopted:

- a. ITU Telecommunication Standardization Sector (ITU-T).
- b. European Standards (EN).
- c. The International Electro- Technical Commission (IEC) and its International Special Committee on Radio Interference (CISPR).
- d. The European Committee for Electro Technical Standardization (CENELEC).
- e. The European Telecommunications Standards Institute (ETSI).
- f. Occupational Health and Safety Assessment Specification (OHSAS).
- g. International Organization for Standardization (ISO)
- h. Directive 2014/53/EU for Radio Equipment Directive (RED)
- i. IEC 62368 safety standards

(2) The Authority may recognize the test reports issued by world-renowned laboratories duly accredited by the accreditation council within the originating country.

(3) All Terminal equipment must also comply with the essential requirements & standards which are as follow:

- a. Interoperability
- b. Valid International Mobile Equipment Identity Code
- c. Safety Requirements i.e. Mobile/Handheld devices are required to comply with a Specific Absorption Rate (SAR) limit of 2 watts/Kg of tissue (average over 10 gm) when exposed to a radio frequency (RF) electromagnetic field.
- d. Provided test report(s) conforming to notified standards must be issued by an accredited laboratory duly registered by National accreditation council of their country.