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PART II

Statutory Notifications (S.R.O.)

GOVERNMENT OF PAKISTAN

PAKISTAN TELECOMMUNICATION AUTHORITY

NOTIFICATION

Islamabad, the 10th November, 2017

S. R. O. 1332(I)/2017.—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.

(3229)

2. **Definitions.**—(1) 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) **“Applicant”** means company/entity/authorized distributor by manufacturer applying for type approval for terminal equipment to the Authority;
- (e) **“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 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).

(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 (IMEI).
- 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.**

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 applicant.

(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 or in the name of its duly authorized distributor, the manufacturer is

required to apply/authorize, respectively, for type approval for its product/terminal equipment to PTA.

- (b) 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 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.
- (c) The applicant may appoint a 3rd party/representative for processing of the type approval application and to represent them at PTA.
- (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) 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 or any other submission mechanism prescribed by PTA from time to time.
- (g) 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.

- (h) Furthermore, type approval holder/authorized distributor shall ensure that they will establish customer service/ after sales centre for facilitation of their customers.

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.

(3) 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.

(4) 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.

(5) 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. **Furthermore, PTA will return the sample if the applicant will provide the documentary evidence from the manufacturer reflecting manufacturing price to be more than US\$ 3000.**

(6) The applicant is not authorized to alter/reprogram or change description of the type approved equipment unless it is approved by the Authority.

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

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 and submitted in soft format *e.g.* CD/ DVD/ USB etc. or any other format required by the Authority from time to time:

- (a) Application Form
- (b) Applicants Undertaking;
- (c) Credentials of the Applicant will be required

- a. Registration from SECP/City Government/ Registrar/ Firm along with NTN for the local company/ organization/ entity.
 - b. In case of applicant being a foreign entity, the applicant shall provide following documents as part of type approval process issued from their country of origin.
 - i. Company Registration;
 - ii. Authorization from Board of Directors to apply for PTA type approval;
 - iii. Shareholder details of Board of Directors.
 - c. In case company is foreign manufacturer/applicant then it may appoint a local representative/distributor and the local representative/distributor shall provide the company registration and authorization letter from manufacturer/applicant allowing him to represent on behalf of the **applicant for sale/marketing of type approved model.**
- (d) **Declaration of Conformity by the manufacturer reflecting the applied device standards e.g. RF, Safety, SAR, EMC/EMI etc. or any other document required by the Authority from time to time.**
- (e) Detailed test reports for standards reflected within Declaration of Conformity may be asked by PTA as and when required e.g. RF, Safety, SAR, EMC/EMI etc.
- (f) Technical Data Sheet, reflecting Specifications for the device e.g. output power, operating frequency etc.
- (g) Authorization letter from manufacturer (containing contact details/email of manufacturer) to its authorized distributor for each applied model.
- (h) Wi-Max terminal equipment, certification from Wi-Max forum are to be provided.

- (i) 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*.
- (j) One sample of the terminal equipment for applied model.
- (k) Type Access Code (TAC) certificate from GSMA Association in case of IMEI/SIM based device.
- (l) 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.

- (m) Undertaking from manufacturer that sanctity/privacy of the user data shall be ensured.
- (n) Any additional 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 made available 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.—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 as well as provision of all documents required by the Authority;
- (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.

(3) 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/address / contact details of the holder ; and
- (b) the name or model number of type approved 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 Authority. However, if the hardware for the device has been change, 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 by the applicant;
- (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 to Technical 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 frequency band for following categories:

- (a) Research and Development (R&D) or Test and Trial up to quantity 5.
- (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 Authority.

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/ sample/fee to the PTA.

13. **Type Approval Register.**—The concerned division shall maintain a register of all terminal equipment approved under these Regulations and shall keep it open for inspection by the Authority.

14. 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.

15. Miscellaneous.—(1) All Terminal Equipment shall conform to the technical standards as prescribed by the Authority from time to time.

(2) Terms and conditions of Type Approval issued by Authority and any other directives issued from time to time.

(3) Authority approved exemption list (Annex-E) may be revised from time to time.

16. Repeal and Savings.—(1) The Type Approval Regulations, 2004 and amendments issued on 20th July, 2006 *vide* S.R.O. 748(I)/2006 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.

**Annex-A**

Government of Pakistan
PAKISTAN TELECOMMUNICATION AUTHORITY
 Head Quarters, F-5/1, naumankhalid@pta.gov
**APPLICATION FORM: TYPE APPROVAL OF TERMINAL
 EQUIPMENT**

Applicant's details (tick appropriate / insert registration number)		
Manufacturer (local or Foreign)	<input type="checkbox"/>	Local
	<input type="checkbox"/>	Foreign*
SECP / NTN Registration No. if applicable:		
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		Fax No
E-mail of Manufacturer		
Device Purpose of Use/ End User details		
<p>Following list of documents needs to be submitted in soft format <i>i.e.</i> USB/ CD etc. <i>(No hard copies accepted)</i>.</p> <ul style="list-style-type: none"> o Registration from SECP/City Government/ Registrar/ Firm along with NTN for the local company/ organization/ entity. o In case of applicant being a foreign entity, it shall provide following documents as part of type approval process. <p>Company Registration, Authorization from Board of Directors to apply for PTA type approval, Shareholder details of Board of Directors:</p> <ul style="list-style-type: none"> o In case company is foreign manufacturer/applicant then it may appoint a local representative/distributor and the local representative/distributor shall provide the company registration and authorization letter from manufacturer/applicant allowing him to represent on the behalf of applicant for sale/ marketing of type approved model. 		

- Declaration of Conformity by the manufacturer reflecting the applied device standards e.g. RF, Safety, SAR, EMC/ EMI etc.
- 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.
- Technical Data Sheet, reflecting Specifications for the device e.g. output power, operating frequency etc.
- Authorization letter from manufacturer (containing contact details/email of manufacturer) to its authorized distributor for each applied model.
- Wi-Max terminal equipment, certification from Wi-Max forum are to be provided.
- 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**.
- One sample of the terminal equipment for applied model.
- Type Access Code (TAC) certificate from GSMA Association in case of IMEI/SIM based device.
- 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.
- Undertaking from manufacturer that sanctity/privacy of the user data shall be ensured.
- Any additional supporting information/ documents that the Authority may require as part of application evaluation.

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"/> Satellite Terminal Equipment <input type="checkbox"/> Wireless Radio Trans/ Receiver Sets with more than 2 mw output power (e.g.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

S. No.	Type Approval Equipment Categories	Type Approval Certificate Fee	
		Local Manufactured (Pak Rs.)	Imported US\$
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	100
4	IP Phones	5000	100
5	PABX/ IP -PABX	5000	100
	(For each additional 100 lines)	1000	100
6	Cellular Mobile Handsets, SIM based Tablets with Functionality, Dongles, Wingles with IMEI/SIM functionality 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 US\$ 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 front time to time in light of future technology advancement as per the Authority approval.

Annex C

CHECKLIST FOR PROCESS OF TYPE APPROVAL DOCUMENTS

Document Checklist	Requirement
Application Form	Mandatory
Application Fee	Mandatory
Undertaking from applicant that PTA Regulations/ Directives will be followed	Mandatory
Sample (1)	Mandatory
After Sales Service Facility/Customer Service Center	Mandatory
<i>In case of a new company NTN, SECP, City Government, Company Profile etc. details where applicable</i>	Mandatory
Declaration of Conformity (DoC) by the manufacturer reflecting the applied device standards e.g. RF, Safety, SAR, EMC/ EMI etc.	Mandatory
Type Access Code (TAC) certificate from GSMA Association for IMEI/SIM supported devices e.g. GSM/ UMTS/ WCDMA/ LTE/ 4G etc.	Mandatory
Authorization letter from manufacturer for the appointed local Distributor(s)	Mandatory

Document Checklist	Requirement
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
Undertaking from manufacturer that sanctity/privacy of the user data shall be ensured	Mandatory
Technical Data Sheet, reflecting Specifications for the device e.g. output power, operating frequency, range etc.	Mandatory
OS Report for Mobile devices	As and when required by PTA
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.

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.

Annex D

FORMAT AND DOCUMENT REQUIREMENT FOR ISSUANCE OF CERTIFICATE OF STANDARD COMPLIANCE

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

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/IMEI based devices provide IMEI numbers for each device*

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

Annex E

AUTHORITY APPROVED 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 Wi-fi 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, 5.725-5.875 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

[No. 48/Regs/PTA/2005/34.]

ERUM LATIF,
Deputy Director (Law and Regulations).