

Assembling of Terminal Equipment in Pakistan. -(1) All entities interested in the assembling of terminal equipment in Pakistan shall fulfill the following requirements prior to the assembly of terminal equipment :

(a) Type approval of terminal equipment intended for assembling in Pakistan;

(b) Request on company letter head containing following details:

- i. Company Profile, SECP/Firm Registration ,NTN,Form-29 and Form -A etc;
- ii. Address of location along with pictures where assembly line is proposed to be setup;
- iii. Details for terminal equipment including models planned to be assembled;
- iv. Certification/ Undertaking from manufacturer that:
 - (i) local mobile phone shall be in line with best international practices/standards; and
 - (ii) Shall Conform to the standards of Type Approval granted by PTA;

(c) A detailed technical presentation containing following

- i. Parts being imported to be used to assemble assembly line, Packing line & details of materials to be used
- ii. Technical Literature explaining use for each assembly line part

(d) Undertaking by CEO/ BOD on the prescribed format:

- i. Applicant/Company will only assemble the PTA type approved terminal equipment;
- ii. Applicant/Company will comply with all the Laws as applicable for the time being in force;
- iii. Applicant/Company will obtain CERTIFICATE OF COMPLIANCE TO TECHNICAL STANDARDS/Permissions for each consignment of parts imported for assembly of type approved terminal equipment/mobile phone model
- iv. All terminal equipment shall assembled in Pakistan will have clear marking stating "Assembled in Pakistan"
- v. Applicant/Company will register all assembled mobile phone along with IMEI and obtain CERTIFICATE OF COMPLIANCE TO TECHNICAL STANDARDS/Permissions by submitting all documentation along with IMEI details at commercialnoc@pta.gov.pk or any other authority prescribed mechanism prior to commercial sale/marketing

(2) Pursuant to the above, A "Provisional CERTIFICATE OF COMPLIANCE TO TECHNICAL STANDARDS" shall be issued to the applicant for period of 6 months:

Provided that the applicant will intimate PTA about setup of assembly plant for inspection.

(3) Within thirty days of the initiation of the local assembly plant, the applicant will invite PTA to inspect the assembly line premises.

(4) At the time of the inspection, the Authority shall verify the following:

- a) *Quality and Control Testing at assembly line including Device Function Test*

- b) *Controlled Drop test of device*
- c) *Electrostatic Discharge (ESD) setup/tools (e.g.ESD Coat, Cap, Wrist band etc.)*
- d) *Product Stress Testing (e.g. Temperature, Mechanical & Electrical, Durability etc.)*
- e) *Wi-Fi, Bluetooth, Antenna & Signal Test*
- f) *Evaluation and verification of IMEI writing*
- g) *All local assembled devices should abide by type approval regulation standards related to Health, Safety, RF, EM and SAR. Prescribed standards is given below*

Health and Safety standard	Acceptable Standard				Description
	EN	IEC	OHSAS	ISO	
Electrical	60950 60950-1	60950	-	-	<ul style="list-style-type: none"> • Safety of information technology equipment
Health	60950-22 300328 301406 301489	-	18000 18001	4500 1	<ul style="list-style-type: none"> • Occupational health and safety quality management
	50360	62209-1	-	-	<ul style="list-style-type: none"> • Product standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300 MHz -3 GHz)
	50371 62479	-	-	-	<ul style="list-style-type: none"> • Generic standard to demonstrate the compliance of low power electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (10 MHz -300 GHz) -General public

Specific Absorption Rate(SAR)					
	50385	-	-	9001 /140 01	<ul style="list-style-type: none"> • Product standard to demonstrate the compliance of radio base stations and fixed terminal stations for wireless.
	50392 60950 62209-1	62311	-	-	<ul style="list-style-type: none"> • Generic standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz – 300 GHz)
	60215	-	-	-	<ul style="list-style-type: none"> • Safety requirements for radio transmitting equipment

(5) Upon successful inspection of assembly line by the PTA team ,the provisional certificate issued under sub-regulation (2) above shall be regularized for term of one year which shall be renewable for further term after inspection by the Authority.