

MANDATORY TESTING & CERTIFICATION OF TELECOM EQUIPMENT (MT&CTE)

CERTIFICATION MANDATORY FROM 1.4.19*.

* To be confirmed for phase-I products

1

SALIENT FEATURES

- ❑ Certification mandatory from notified date, of **ALL** telecom equipment, prior to sale/ import/ use.
- ❑ Exemptions for R&D/ Demonstration/ sample for testing, personally accompanied on inward foreign travel, for personal use, for limited numbers
- ❑ Certification once for one model, applicable for any quantity, valid for 5 years.
- ❑ Test reports from Indian designated Labs of TEC or from accredited labs of MRA partner countries.

2

MTCTE DOES NOT COVER

- ❑ Modules/ Spares/ Components/ SKD/ CKD.
- ❑ Test Instruments.
- ❑ R&D/ Personally accompanied products in defined limited quantity/ Hobby Assembling
- ❑ Passive Telecom Components e.g. Tower, Antenna, Waveguide, smart cards.
- ❑ Integrated systems and networks consisting of already certified telecom equipment.
- ❑ Power supply/ UPS/ Solar equipments/ Batteries/

3

PRESENTLY EXCLUDED

- ❑ Communication modules.
- ❑ Primarily Non-telecom electrical and electronic appliances like with Wifi, NFC, BT like TV, Fridge, AC, Camera, Speaker, Earphone etc.
- ❑ Multi-functional imaging devices like Scanner, copier, Fax, Printer (Standalone Fax is covered)
- ❑ IoT devices connected through gateway.
- ❑ COTS Servers and COTS server based equipment.
- ❑ Laptop/ Notebook/ PC with SIM

4

PRESENTLY EXCLUDED

- ❑ Sales force automation equipment like Spot billing machine, portable data terminal.
- ❑ Core equipments under control of TSP, like MME, HLR, MSC, for which ERs with security shall be notified later.
- ❑ R-GSM
- ❑ Tablets with screen size >7.5 inch.

5

DEVELOPMENT OF ONLINE PORTAL

- ❑ Development of a web portal enabling end-to-end online processing.
 - ❑ Portal developed by CDoT is available for trial.
 - ❑ Phase-1 of portal with essential features.
 - ❑ Certificate renewal, modification, voluntary testing and other features in second phase.

6

PREPARATION OF ESSENTIAL REQUIREMENTS

Essential Requirements being prepared by TEC divisions covering EMI/ EMC, Safety, Technical requirements, Other requirements (SAR, IPV6 etc) and Security

- ERs for about 40 products notified.
- ER preparation through consultative meetings.
- Security Requirements to be given by DoT security Wing. Till that time ERs are without security requirement.
- ER as available on MTCTE portal to be treated as final.

7

CONSULTATION AND HELP DESK

- Consultation and Help desk:
 - Regular consultation meetings being organised.
 - West Zone Labs – 21st January
 - West Zone Conference – 22nd January
 - South Zone Conference – 2nd Week of February
 - North Zone Labs – 1st Week of January
 - Clarifications and FAQs being put up on TEC website.
 - Help desk already functional through Helpdesk menu on portal and by mail at help.mtcte.tec@gov.in .

8

DESIGNATION OF LABS - PRESENT STATUS..1

Designated Lab Name (1-10)	Designated For
Compliance International	PABX, PDH, SDH
Bharat Test House Pvt. Ltd, Sonipat	Safety
Tarang (Wipro), Bengaluru	EMI/ EMC, Safety
BNNSPEAG Sahibabad	SAR
Sunren, Mumbai	POS terminal, FAX, Modem, PABX, PDH, SDH, PSTN Terminal
TUV Rheinland(pvt) Ltd, Bengaluru	EMI/ EMC, Safety, SAR, Radio
ETDC Bengaluru	EMI/ EMC, Safety
React Lab, Bengaluru	Safety
Tata Power Company	EMI/ EMC
Classic instrumentation	Safety

9

DESIGNATION OF LABS - PRESENT STATUS..2

Designated Lab Name (11-20)	Designated for
Intertek India Delhi	Safety
AB MSAI Delhi	Safety
Nemko Faridabad	Safety
Spectro Noida	Safety
Delhi test House Delhi	Safety
UL Gurugram	Safety
TUV Rheinland(pvt) Ltd, Gurugram	Safety
Conformity Delhi	Safety
KC India Ghaziabad	Safety
UL Bengaluru	Safety, EMI/ EMC

10

DESIGNATION OF LABS - PRESENT STATUS..3

Designated Lab Name (21-31)	Designated for
Yadav Measurements, Udaipur	Safety, EMI/ EMC
Sameer Chennai	EMI/ EMC
EMC Testing Gurugram	Safety
Alpha Test house Delhi	Safety
SGS India Pvt Ltd Bengaluru	Safety
Central Electronics Centre, IIT Madras	Safety
Reliable Labs, Thane	Safety
ERTL Mumbai	Safety, EMI/ EMC
EMTAC, Hyderabad	Safety
CSA India, Bengaluru	Safety
TUV Sud Bengaluru	Safety

11

MTCTE PORTAL: UPDATES

- ER database updated
- Annexures to ERs available on portal
- TEC logo under downloads
- Minimum one interface issue – fixed.
- BoM file updated for AM, family.
- Incorrect referencing of Applicants name/ Associated Model numbers on certificate - fixed.
- No requirement of compliance with values.
- Helpdesk query list added

12

FAQ	
Query	Reply
Date of application acceptance	Will be notified separately
Date of start of certification	
One or multiple phase	
When will Security Req. notified	
Duplicity with WPC	Being resolved
Duplicity with BIS	Efforts are being made to resolve
Lab capacity not adequate	1. International reports accepted 2. More Labs coming up 3. Provisional certification for 2 year
International report validity	Up to five years old on date of application
13	

MOBILE TESTING GUIDELINES
<ul style="list-style-type: none"> <input type="checkbox"/> Battery to be certified as per IS 16046. <input type="checkbox"/> Safety testing instructions of BIS applicable. <input type="checkbox"/> Critical component list to be provided to CAB. <input type="checkbox"/> No separate certification for products of different factories; testing requirement to be met. <input type="checkbox"/> Single SIM model is Associated Model of Dual SIM <input type="checkbox"/> Certificate still valid if battery replaced by another BIS certified battery. <input type="checkbox"/> Choice of e-label (with certification number) or TEC Logo.
14

MOBILE SERIES GUIDELINES
<ul style="list-style-type: none"> <input type="checkbox"/> Same PCB <input type="checkbox"/> Same enclosure <input type="checkbox"/> Same battery charging voltage/ current/ adapter rating <input type="checkbox"/> Same Antenna layout <input type="checkbox"/> Single SIM model is Associated Model of Dual SIM <input type="checkbox"/> Can be different: <ul style="list-style-type: none"> <input type="checkbox"/> Screen/ camera/ storage/ keyboard layout
15