



GOVERNMENT OF INDIA  
**TELECOMMUNICATION ENGINEERING CENTRE**  
(Department of Telecommunications)  
Gate No. 5, KhurshidLalBhawan, Janpath, New Delhi-110001



सत्यमेव जयते

## CERTIFICATE OF DESIGNATION

Certificate No. TEC/MRA/CAB/IND-D/34

Dated: 19.11.2018

This is to certify that **M/s Electronics Regional Test Laboratory (ERTL), Mumbai** has qualified the criteria for designation as CONFORMITY ASSESSMENT BODY (CAB), as described below, to carry out product testing activities specified in the Annexure-I subject to the terms and conditions specified in Annexure-II.

### CAB DESCRIPTION

Name of CAB : **M/s Electronics Regional Test Laboratory (ERTL), Mumbai**

Address of CAB : Plot No. F-7 & 8, Marol MIDC, Opp., Santacruz Electronic Export Processing Zone, Andheri East, Mumbai, Maharashtra-400047.

CAB Identification : IND034

Date of Issue : 19.11.2018

Date of Expiry : 3 Years from date of issue of this certificate or till the continued validity of Certificate issued by NABL, whichever is earlier.

D. K. Khanna  
Deputy Director General (MRA)  
For Designating Authority  
TEC



**Annexure-II** Certificate No: TEC/MRA/CAB/IND-D/34 dated 19.11.2018 issued to M/s  
**Electronics Regional Test Laboratory (ERTL), Mumbai.**

### Terms & Conditions

This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESEMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESEMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 2 NO. TEC/DES-01/02.DEC.2017.

Some of the conditions are reiterated as under:

#### **A. Obligations of the Designated CAB.**

1. It shall ensure that it maintains its accreditation status from any recognised Indian accreditation body like NABL during validity period of certificate.
2. It shall follow the stipulated procedures, rules and policies laid down by DA or MRA\* partner for testing and evaluation.
3. It shall have no interest whatsoever in any business to test any product or carry on testing in an unfair or biased manner, for which it seeking designation.
4. It shall fully indemnify DA from and against all liabilities, damages, claims, costs, and expenses incurred or sustained by DA as a result of any action taken or omitted by DA relating to the process of designation.
5. It shall comply with DA's or MRA partner's terms and conditions for designation and recognition as modified from time to time.
6. It shall be under obligation to participate in the online process prescribed by TEC for test and certification against TEC's GR/IR/ER and standards.
7. It shall have a record system which shall have a retention period of at least 5 years for documents related to the equipment testing. It shall maintain all the relevant documents including list of products submitted for testing, product-wise testing and evaluation reports. These documents shall be produced before the DA within seven days, as and when required.
8. It shall ensure the Intellectual Property Rights of the customers in the course of testing by maintaining professional ethics, secrecy and keeping all the product related information confidential.
9. It shall notify the DA in writing of occurrence of any of the following incidence within

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**Annexure-I** Certificate No: TEC/MRA/CAB/IND-D/34 dated 19.11.2018 issued to M/s  
**Electronics Regional Test Laboratory (ERTL), Mumbai.**

Sl. No.	1	2	3	4
	Telecom Equipment/Product	Type of Testing	Technical Regulation	Date of Designation
1.	Information Technology Equipment- Safety Requirement	All types of testing covered in Technical regulations mentioned in column 3 only for following tests:  1 Input Current (Clause 1.6.2) 2 Durability (Clause 1.7.11) 3 Access to energize parts (Clause 2.1.1.1) 4 Energy Hazard (Clause 2.1.1.5) 5 Plug Discharge (Clause 2.1.1.7) 6 Limited power source measurement test (Clause 2.5) 7 Resistance of earthing conductor (Clause 2.6.3.4) 8 Humidity conditioning (Clause 2.9.2) 9 Creepage and Clearance (Clause 2.10) 10 Steady force test (Clause 3.1.5, 3.1.9, 4.2.2, 4.2.4) 11 Stability test (Clause 4.1) 12 Impact test (Clause 4.2.5) 13 Drop test (Clause 4.2.6) 14 Stress Relief test (Clause. 4.2.7) 15 Temperature tests (Clause 4.5.2) 16 Resistance to abnormal heat (Clause 4.5.5) 17 Touch current (Clause 5.1) 18 Electric strength (Clause 5.2) 19 Abnormal operations (Clause 5.3.1) 20 Impulse Test (Clause 6.2.1) 21 Voltage Surge test (Clause 7.4.2)	IEC 60950-1:2005 A1:2009, A2:2013	19/11/2018

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2.	Environmental Testing of Telecom Equipment	<p>All types of testing covered in Technical regulations mentioned in column 3 only for following tests:</p> <ol style="list-style-type: none"> <li>1. Cold</li> <li>2. Dry Heat</li> <li>3. Damp heat (Cyclic)</li> <li>4. Temperature Cycling/ Thermal Shock</li> <li>5. Damp heat (Steady State)</li> <li>6. Vibration Sine/ Random Test</li> <li>7. Salt Spray</li> <li>8. Bump Test</li> </ol>	QM-333 ISSUE MARCH 2010	19/11/2018
3.	EMI/ EMC Testing of Telecommunication equipment	<p>All types of testing covered in Technical regulations mentioned in column 3 only for following tests:</p> <ol style="list-style-type: none"> <li>1 Conducted Emission CISPR 11 (2015)</li> <li>2 Electrostatic Discharge (ESD) IEC 61000-4-2 (2008)</li> <li>3 Electrical Fast Transient (EFT) IEC 61000-4-4 (2012)</li> <li>4 RF Conducted Immunity IEC 61000-4-6 (2013)</li> <li>5 Voltage dips and short interruptions IEC 61000-4-11 (2004)</li> </ol>	TEC/SD/DD/E MC-221/05/OCT-16	19/11/2018

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