



GOVERNMENT OF INDIA  
MINISTRY OF COMMUNICATIONS  
DEPARTMENT OF TELECOMMUNICATIONS  
TELECOMMUNICATION ENGINEERING CENTRE  
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001

## **CERTIFICATE OF DESIGNATION**

M/s TUV RHEINLAND (INDIA) PVT. LTD. BENGALURU has been assessed and designated as Conformity Assessment Body (CAB)

for its facilities at

27/B, 2<sup>nd</sup> Cross Road, Electronics City Phase-I, Bengaluru- 560 100, INDIA  
In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/10

Issue Date: 20/11/2020

Valid Until: 21/11/2023

This Certificate remains valid for the Scope of Designation as specified in the Annexure subject to the continued validity of NABL Accreditation and satisfied compliance to the Standards/specifications against which lab has been designated and strict compliance to the relevant terms and conditions of TEC CAB Designation Scheme.

(To see the scope of designation of this laboratory, you may also visit TEC website [www.tec.gov.in](http://www.tec.gov.in))

Signed for and on behalf of TEC

Prasanth Kumar  
Deputy Director General (MRA)  
For Designating Authority  
TEC

Certificate No: TEC/MRA/CAB/IND-D/10 dated 20/11/2020, issued to M/s TUV Rheinland (India) Pvt. Ltd., 27/B, 2<sup>nd</sup> Cross Road, Electronics City Phase-I, Bengaluru-560 100

### Terms & Conditions

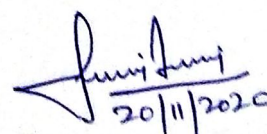
This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESEMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESEMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 2 NO. TEC/DES-01/02.DEC.2017.

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 Designating Authority (DA) or Mutual Recognition Agreement (MRA)\* partner for testing and evaluation.
3. In respect of tests for which it is seeking designation, it shall have no interest whatsoever in any business to carry on testing in an unfair or biased manner.
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 incident(s) within 2 weeks of its occurrence

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20/11/2020



- a) Cessation of its business of conformity assessment for which it is Designated or accredited
- b) Changes in its legal, commercial, or Organisational status
- c) Changes, which may affect continuing compliance with any of the criteria or requirement specified by DA or MRA partner.
- d) Change of premises

\*Applicable only if recognized by MRA (Mutual Recognition Agreement) partner.

## **B. REFERENCE TO DESIGNATION STATUS**

1. Designated CABs may advertise their designation status with regard to standards or parts thereof which are included in the scope of designation.
2. The advertisement should not imply, or otherwise suggest that DA or MRA Partner has endorsed the product or imply that the designated CAB is an agent or representative of DA or MRA Partner.
3. CABs whose designations have been suspended or withdrawn for any reason, shall discontinue advertisement of their designated status and not make any misleading statements regarding their designation status.

## **C. POST-DESIGNATION SURVEILLANCE**

As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs to ensure that standards of practices are maintained as well as to investigate complaints made against them.

## **D. SUSPENSION OR WITHDRAWAL OF DESIGNATION**

1. DA shall suspend or withdraw the designation of a CAB if
  - a. Its accreditation is withdrawn.
  - b. it is found that the CAB is not complying with the stipulated criteria or requirements.
  - c. it is guilty of any offence involving fraud or dishonesty.
  - d. DA concludes that there is a just cause for withdrawing the designation.
2. A CAB whose designation, and recognition in case of MRA, has been suspended or withdrawn shall be removed from the list of designated CABs, in case it fails to take corrective measures.
3. DA shall keep the designation of a Designated CAB under suspension, until the completion of formal review process.

## **E. AMENDMENT TO THE SCHEME**

DA reserves the rights to amend the scheme, as and when required, for the purpose of streamlining designation process.

*P. Anur*  
20/11/2020

*Amir Amir*  
20/11/2020

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**SCOPE OF DESIGNATION**  
**(Annexure)**

**Laboratory Name: M/s TUV RHEINLAND (INDIA) PVT. LTD.  
BENGALURU,**

**27/B, 2<sup>nd</sup> Cross Road, Electronics City Phase-I, Bengaluru- 560 100, INDIA**

**Certificate Number: TEC/MRA/CAB/IND-D/10**

**Page 1 of 5**

**Validity: 22/11/2020 to 21/11/2023\***

**Last Amended on: \_\_\_\_**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
1.	<b>Information Technology Equipment- Safety Requirement</b>	Marking and Instructions (Clause 1.7)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Protection from electric Shock & energy hazards (Protection against access to live parts) (Clause 2.1)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Power input and current (Clause 1.6)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Thermal Requirements (Temperature Rise) (Clause 4.5)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Touch Current & protective conductor current (Leakage Current) (Clause 5.1)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Electric Strength (High Voltage Test) (Clause 5.2)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Humidity Conditioning (Humidity Test) (Clause 2.9.2)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Cord anchorages and Strain relief (Mechanical Strength) (Clause 3.2.6)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Resistance of earthing conductors and their terminations (Earth Bond Test) (Clause 2.6.3.4)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013

**Director (MRA), TEC**

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**AD (MRA), TEC**



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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	<b>Information Technology Equipment- Safety Requirement</b>	Clearances, creepage distances and distances through insulation (Clause 2.10)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Resistance to abnormal heat (Ball Pressure Test) (Clause 4.5.5)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Impulse Test (Clause 6.2.2.1)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Discharge of Capacitors in equipment (Capacitor Discharge) (Clause 2.1.1.7)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Abnormal operating and fault conditions (Clause 5.3)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Adhesive for constructional purposes (Clause 4.6.5)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Tests for resistance to heat and fire (Clause Annex A)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013

*Nandu*  
20/11/2020  
Director (MRA), TEC

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20/11/2020  
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**Last Amended on: \_\_\_\_**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	<b>Information Technology Equipment- Safety Requirement</b>	Limits/Connections of TNV circuits to other circuits (Limits of TNV circuits) (Clause 2.3.1/2.3.4)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
		Voltage under normal Conditions (Clause 2.2.2)	IEC 60950-1 : 2005 +A1 :2009 +A2:2013
<b>2.</b>	<b>Environmental Testing of Telecom Equipment</b>	Free Fall Test	QM-333 Issue March, 2010
		Drop Test	QM-333 Issue March, 2010
		Topple Test	QM-333 Issue March, 2010
		Water Immersion Test/ IP Test	QM-333 Issue March, 2010
		Cold (Low Temperature) Test	QM-333 Issue March, 2010
		Dry Heat (High Temperature) Test	QM-333 Issue March, 2010

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**Validity: 22/11/2020 to 21/11/2023\***

**Last Amended on: \_\_\_\_**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	<b>Environmental Testing of Telecom Equipment</b>	Damp Heat Steady State Test	QM-333 Issue March, 2010
		Damp Heat Cyclic Test	QM-333 Issue March, 2010
		Rapid Cyclic Temp Change Test	QM-333 Issue March, 2010
		Salt Spray Test (Resistance against Corrosion)	QM-333 Issue March, 2010
3.	<b>SAR (Specific Absorption Rate) Measurement System</b>	All types of testing Covered in TEC GR/ Standard	TEC/GR/SAR/001/01. MAR-09, IEC 62209-1:2005
4.	<b>New Standard in Radio Devices on unlicensed band (2.4 GHz)</b>	Equivalent isotropic radiated power (EIRP) (Clause 2.3.1)	SD/RAD-01/01 SEP-2005
		Maximum spectral power density (Clause 2.3.2)	SD/RAD-01/01 SEP-2005
		Frequency Range (Clause 2.3.3)	SD/RAD-01/01 SEP-2005

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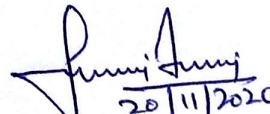
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**Last Amended on: \_\_\_\_**

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	<b>New Standard in Radio Devices on unlicensed band (2.4 GHz)</b>	Transmitter spurious emissions (Clause 2.3.4)	SD/RAD-01/01 SEP-2005
		Receiver spurious emissions (Clause 2.3.5)	SD/RAD-01/01 SEP-2005

  
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