



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

CERTIFICATE OF DESIGNATION

Certificate No. TEC/MRA/CAB/IND-D/51

Dated: 03.07.2019

This is to certify that **M/s TUV India Private Limited, Pune** 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 TUV India Private Limited**

Address of CAB : Anjani Palladium, 203 & 204, Second Floor and Mezzanine Floor, 104B, Survey No. 126/1, Baner Main Road, Baner, Pune-411045, Maharashtra

CAB Identification : IND051

Date of Issue : 03.07.2019

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 03.07.19.
Deputy Director General (MRA)
For Designating Authority
TEC



Annexure-I Certificate No: TEC/MRA/CAB/IND-D/51 dated 03.07.2019 issued to
M/s TUV India Private Limited, Pune.

Sl. No.	1	2	3	4
	Telecom Equipment/Product	Type of Testing	Technical Regulation	Date of Designation
1.	Information Technology Equipment- Safety Requirements	All types of testing covered in Technical regulations mentioned in column 3 only for following tests: 1 Power Interface (Clause 1.6) 2 Marking and Instructions (Clause 1.7) 3 Protection from electric shock and energy Hazards (Clause 2.1) 4 Discharge of capacitor in Equipment (Clause 2.1.1.7) 5 SELV circuits (Clause 2.2) 6 Limited Current Circuit measurements (Clause 2.4) 7 Limited Power Sources measurements (Clause 2.5) 8 Provision of earthing and bonding (Clause 2.6) 9 Over current and earth Fault protection in primary Circuits (Clause 2.7) 10 Humidity conditioning (Clause 2.9.2) 11 Clearances & Creepage Distances and distance through insulation (Clause 2.10)	IEC 60950-1:2005 & A1:2009 & A2:2013	03/07/2019

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		<p>12 Measurements of transient Voltage (Clause 2.10.3.9)</p> <p>13 Abrasion test (Clause 2.10.8.4)</p> <p>14 Comparative tracking index (Clause 2.10.4.2)</p> <p>15 Wiring connection & supply (Clause 3.0)</p> <p>16 Termination of conductors (Clause 3.1.9)</p> <p>17 Wiring Terminals for connection of external conductors (Clause 3.3)</p> <p>18 Interconnection of equipment (Clause 3.5)</p> <p>19 Physical Requirements-Stability test (Clause 4.0, 4.1)</p> <p>20 Mechanical Strength (Clause 4.2.1,4.2.2, 4.2.3, 4.2.4)</p> <p>21 Drop (Clause 4.2.6)</p> <p>22 Stress Relief (Clause 4.2.7)</p> <p>23 Design and construction (Clause 4.3)</p> <p>24 Protection Against Hazardous Moving Parts (Clause 4.4)</p> <p>25 Thermal requirements (Clause 4.5)</p> <p>26 Resistance to abnormal heat (Clause 4.5.5)</p> <p>27 Glow fire test (Clause 4.7.3)</p> <p>28 Resistance to fire (Clause 4.7)</p> <p>29 Electrical requirements and simulated abnormal conditions (Clause 5 & 5.1)</p> <p>30 Electric Strength (Clause 5.2)</p>		
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		<p>31 Abnormal operating and fault Conditions (Clause 5.3)</p> <p>32 Voltage surge test (Clause 7.4.2)</p> <p>33 Impulse test (Clause 7.4.3)</p>		
2.	EMI/EMC 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"> 1 Conducted emission (CISPR 11:2016) 2 Conducted emission (CISPR 32:2015) 3 Electrostatic discharge (ESD) immunity test (IEC 61000-4-2) 4 Electric fast transient (EFT)/burst immunity test (IEC 61000-4-4) 5 High energy/telecom surge immunity test (IEC 61000-4-5) 6 Conducted RF susceptibility test (IEC 61000-4-6) 7 Voltage dips, short interruption & voltage variation test (IEC 61000-4-11) 8 Conducted emission test, Discontinuous disturbances (Clicks) test, Disturbance power (Radiated power) test (CISPR 14-1:2016) as part of the requirement stated in TEC's Essential Requirements ,where applicable 	TEC/SD/DD/ EMC-221/ 05/OCT-16	03/07/2019
3.	Uninterruptible Power Supply (UPS) Safety requirements	<p>All types of testing covered in Technical regulations mentioned in column 3 only for following tests:</p> <ol style="list-style-type: none"> 1 Power interface (Clause 4.6) 	IEC 62040-1:2008	03/07/2019

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		<p>2 Marking & instructions (Clause 4.7)</p> <p>3 Protection against electric shock and energy hazards (Clause 5.1)</p> <p>4 Requirement of auxiliary circuits (Clause 5.2)</p> <p>5 Protective earthing and bonding (Clause 5.3)</p> <p>6 Protection of personnel-safety interlocks (Clause 5.6)</p> <p>7 Clearance, creepage distance and distance through insulation (Clause 5.7)</p> <p>8 Wiring, connections and supply- General (Clause 6, 6.1)</p> <p>9 Connection of power (Clause 6.2)</p> <p>10 Wiring terminals for external power conductors (Clause 6.3)</p> <p>11 Enclosure (Clause 7.1)</p> <p>12 Stability (Clause 7.2)</p> <p>13 Mechanical strength (Clause 7.3)</p> <p>14 Resistance to fire (Clause 7.5)</p> <p>15 Battery location (Clause 7.6)</p> <p>16 Temperature rise (Clause 7.7)</p> <p>17 General provision for earth leakage (Clause 8.1)</p> <p>18 Electric strength (Clause 8.2)</p> <p>19 Connection to telecommunication networks (Clause 9)</p>		
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Annexure-II Certificate No: TEC/MRA/CAB/IND-D/51 dated 03.07.2019 issued to M/s TUV India Private Limited, Pune.

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.

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

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9. It shall notify the DA in writing of occurrence of any of the following incidence within 2 weeks of its occurrence
 - 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

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.

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