



**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 SUD South Asia Private Limited, Bengaluru
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

**2nd Floor, Kushal Garden Arcade, 1A, 2nd phase,
Peenya Industrial Area, 1st Stage Bengaluru, Karnataka-560 058**

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/89

Issue Date: 19/02/2024

Validity: 19/02/2024 to 18/02/2027

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)

Signed for and on behalf of TEC

**Vijay Dixit
Director (CA)
For Designating Authority
TEC**

**Certificate No: TEC/MRA/CAB/IND-D/89 dated 19/02/2024 issued to
M/S TUV SUD South Asia Private Limited, Bengaluru
2nd Floor, Kushal Garden Arcade, 1A, 2nd Phase, Peenya
Industrial Area, 1st Stage Bengaluru, Karnataka-560 058**



Validity: - 19/02/2024 to 18/02/2027

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 3 NO. TEC 04019:2023.

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.

9. It shall notify the DA in writing of occurrence of any of the following incident(s) 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.

SCOPE OF DESIGNATION

(ANNEXURE)

Laboratory Name: M/S TUV SUD South Asia Private Limited, Bengaluru
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Industrial Area, 1st Stage, Bengaluru, Karnataka-560 058

Certificate Number: TEC/MRA/CAB/IND-D/89

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Validity: 1902/2024 to 18/02/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
1.	Information Technology Equipment-Safety Requirement	Power Interface Clause-1.6	IEC 60950-1:2005 +A1:2009 +A2:2013
		Marking and Instructions Clause-1.7	IEC 60950-1:2005 +A1:2009 +A2:2013
		Protection from Electric Shock and Energy Hazards Clause- 2.1	IEC 60950-1:2005 +A1:2009 +A2:2013
		SELV Circuit Clause-2.2	IEC 60950-1:2005 +A1:2009 +A2:2013
		TNV Circuit Clause-2.3	IEC 60950-1:2005 +A1:2009 +A2:2013
		Limited Currents Clause-2.4	IEC 60950-1:2005 +A1:2009 +A2:2013
		Limited Power Sources Clause-2.5	IEC 60950-1:2005 +A1:2009 +A2:2013
		Provisions for Earthing and Bonding Clause-2.6	IEC 60950-1:2005 +A1:2009 +A2:2013
		Overcurrent and Earth Fault Protection in Primary Circuits Clause-2.7	IEC 60950-1:2005 +A1:2009 +A2:2013
		Electrical Insulation Clause-2.9	IEC 60950-1:2005 +A1:2009 +A2:2013
		Clearances, Creepage Distances and Distances through Insulation Clause-2.10	IEC 60950-1:2005 +A1:2009 +A2:2013
		Determination of Working Voltage Clause-2.10.2	IEC 60950-1:2005 +A1:2009 +A2:2013

***The validity of Certificate is up to 18/02/2027 or the continued validity of NABL Accreditation, whichever is earlier.**

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Validity: 19/02/2024 to 18/02/2027

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	Information Technology Equipment Safety Requirement	Clearances Clause-2.10.3	IEC 60950-1:2005 +A1:2009 +A2:2013
		Creepage Distances Clause-2.10.4	IEC 60950-1:2005 +A1:2009 +A2:2013
		Solid Insulation Clause-2.10.5	IEC 60950-1:2005 +A1:2009 +A2:2013
		Thermal Cycling Clause-2.10.9	IEC 60950-1:2005 +A1:2009 +A2:2013
		Test for Pollution Degree 1 Environment and for Insulating Compound Clause-2.10.10	IEC 60950-1:2005 +A1:2009 +A2:2013
		Tests for Semiconductor Devices and for Cemented Joints Clause-2.10.11	IEC 60950-1:2005 +A1:2009 +A2:2013
		Enclosed and Sealed Parts Clause-2.10.12	IEC 60950-1:2005 +A1:2009 +A2:2013
		Wiring, Connections and Supply Clause-3.0	IEC 60950-1:2005 +A1:2009 +A2:2013
		Physical Requirements Clause-4 (Except- 4.6.2, 4.2.8, 4.2.9, 4.3.13)	IEC 60950-1:2005 +A1:2009 +A2:2013
		Touch Current and Protective Conductor Current Clause-5.1	IEC 60950-1:2005 +A1:2009 +A2:2013
		Electric Strength Clause-5.2	IEC 60950-1:2005 +A1:2009 +A2:2013
		Abnormal Operating and Fault Conditions Clause-5.3	IEC 60950-1:2005 +A1:2009 +A2:2013

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	Information Technology Equipment-Safety Requirement	Connection to Telecommunication Networks Clause-6	IEC 60950-1:2005 +A1:2009 +A2:2013
		Connection to Cable Distribution Systems Clause-7	IEC 60950-1:2005 +A1:2009 +A2:2013
2.	Audio/Video, Information and Communication Technology Equipment-Safety Requirements	Energy Source Classifications Clause- 4.2	IEC 62368-1
		Protection against Energy Sources Clause- 4.3	IEC 62368-1
		Safeguards Clause- 4.4 except 4.4.4, 4.4.5	IEC 62368-1
		Fixing of Conductors Clause- 4.6	IEC 62368-1
		Equipment for Direct Insertion into Mains Socket-Outlets Clause- 4.7	IEC 62368-1
		Equipment Containing Coin/Button Cell Batteries Clause- 4.8	IEC 62368-1
		Likelihood of Fire or Shock due to Entry of Conductive Objects Clause- 4.9	IEC 62368-1
		Components Requirements Clause- 4.10 except 4.10.2	IEC 62368-1
		Classification and Limits of Electrical Energy Sources Clause- 5.2	IEC 62368-1

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	Audio/Video, Information and Communication Technology Equipment-Safety Requirements	Protection against Electrical Energy Sources Clause- 5.3	IEC 62368-1
		Insulation Materials and Requirements Clause- 5.4 except 5.4.12	IEC 62368-1
		Capacitors and RC Units Clause- 5.5.2, Annex G.11	IEC 62368-1
		Resistors Clause- 5.5.6, Annex G.10	IEC 62368-1
		Insulation between the Mains and an External Circuit Consisting of a Coaxial Cable Clause- 5.5.8, Annex G.10	IEC 62368-1
		Protective Conductor Clause- 5.6	IEC 62368-1
		Prospective Touch Voltage, Touch Current and Protective Conductor Current Clause- 5.7	IEC 62368-1
		Backfeed Safeguard in Battery Backed up Supplies Clause- 5.8	IEC 62368-1
		Electrically Caused Fire Clause- 6	IEC 62368-1
		Mechanically Caused Injury Clause- 8 except 8.5.4.2.4, 8.5.5	IEC 62368-1
		Thermal Burn Injury Clause- 9	IEC 62368-1

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
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	Audio/Video, Information and Communication Technology Equipment-Safety Requirements	Normal Operating Condition Tests, Abnormal Operating Condition Tests and Single Fault Condition Tests Clause- Annex B	IEC 62368-1
		Test Generators Clause- Annex D except D.3	IEC 62368-1
		Test Conditions for Equipment containing Audio Amplifiers Clause- Annex E	IEC 62368-1
		Equipment Markings, Instructions, and Instructional Safeguards Clause- Annex F	IEC 62368-1
		Connectors Clause-Annex G.4	IEC 62368-1
		Transformers Clause- Annex G.5.3 except 5.3.4.6	IEC 62368-1
		Motors Clause- Annex G.5.4	IEC 62368-1
		Mains Supply Cords Clause- Annex G.7	IEC 62368-1
		Resistors Clause- Annex G.10	IEC 62368-1
		Capacitors and RC Units Clause- Annex G.11	IEC 62368-1
		Criteria for Telephone Ringing Signals Clause- Annex H	IEC 62368-1
		Overvoltage Categories Clause- Annex I	IEC 62368-1

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	Audio/Video, Information and Communication Technology Equipment-Safety Requirements	Insulated Winding Wires for use Without Interleaved Insulation Clause- Annex J	IEC 62368-1
		Disconnect Devices Clause- Annex L	IEC 62368-1
		Measurement of Creepage Distances and Clearances Clause- Annex O	IEC 62368-1
		Safeguards against Conductive Objects Clause- Annex P	IEC 62368-1
		Circuits intended for Interconnection with Building Wiring Clause- Annex Q	IEC 62368-1
		Tests for Resistance to Heat and Fire Clause- Annex S	IEC 62368-1
		Mechanical Strength Tests Clause- Annex T	IEC 62368-1
		Determination of Accessible Parts Clause- Annex V	IEC 62368-1

AD (CA), TEC

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