



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 AB MSAI Research Labs Private Limited, New Delhi**  
has been assessed and designated as Conformity Assessment Body (CAB)  
for its facilities at

**A-1/16 (Basement, Stilt and U.G.F.), Paschim Vihar, New Delhi, INDIA**

**In the field of Testing**

**Certificate No. TEC/MRA/CAB/IND-D/17**

**Issue Date: 16/04/2021**

**Validity: 18/04/2021 to 17/04/2024**

**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/17 dated 16/04/2021 issued to**  
**M/s AB MSAI Research Labs Private Limited, New Delhi**  
**A-1/16 (Basement, Stilt and U.G.F.), Paschim Vihar, New Delhi, INDIA**  
**Validity: - 18/04/2021 to 17/04/2024**

### **Terms & Conditions**

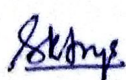
This certificate is issued as per the terms and conditions stipulated in the TEC Scheme for Designating Domestic Conformity Assessment Bodies and Certification Bodies for Conformity Assessment and Certification of Telecommunication Equipment Issue 2 No. TEC/DES-01/02.DEC.2017.

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 out 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 two 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**

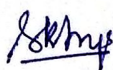
As and when required, DA shall conduct surveillance assessments and other non-routine assessments of the Designated CABs to ensure that Standards of practices are maintained as well as to investigate complaints made against them.

#### **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 AB MSAI Research Labs Private Limited, New Delhi  
A-1/16 (Basement, Stilt and U.G.F.), Paschim Vihar, New Delhi,  
INDIA

**Certificate Number:** TEC/MRA/CAB/IND-D/17


Page 1 of 4

**Validity:** 18/04/2021 to 17/04/2024

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
1.	<b>Information Technology Equipment - Safety Requirement</b>	Input Current Test Clause. 1.6.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Verification of Marking and Instructions Clause-(1.7 to 1.7.14)	IEC 60950-1:2005 + A1:2009 + A2:2013
		Protection from Electric Shock and Energy hazards (testing limit up to 20 A only) Clause-2.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Protection against Hazardous moving parts Clause-4.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Thermal Requirements Clause- (4.5.1 to 4.5.5)	IEC 60950-1:2005 + A1:2009 + A2:2013
		Humidity Conditioning Clause-2.9.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Abnormal operating and Fault Conditions Clause-5.3	IEC 60950-1:2005 + A1:2009 + A2:2013
		Limited Power Source Clause-2.5	IEC 60950-1:2005 + A1:2009 + A2:2013
		Steady Force Clause-(4.2.2 to 4.2.4)	IEC 60950-1:2005 + A1:2009 + A2:2013

  
Director (MRA), TEC

  
AD (MRA), TEC

\*The validity of Certificate is up to 17/04/2024 or the continued validity of NABL Accreditation, whichever is earlier.



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**Certificate Number:** TEC/MRA/CAB/IND-D/17

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**Validity:** 18/04/2021 to 17/04/2024

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	<b>Information Technology Equipment –Safety Requirement</b>	Stress Relief Test Clause-4.2.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Impact and Drop Test Clause-4.2.5,4.2.6	IEC 60950-1:2005 + A1:2009 + A2:2013
		Batteries Clause-4.3.8	IEC 60950-1:2005 + A1:2009 + A2:2013
		SELV circuits Clause-2.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Limited Current Circuits Clause-2.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Provision for Earthing and bonding Clause-2.6	IEC 60950-1:2005 + A1:2009 + A2:2013
		Over-Current and Earth Fault Protection in Primary Circuits Clause-2.7	IEC 60950-1:2005 + A1:2009 + A2:2013
		Safety Interlocks Clause- (2.8 except 2.8.6, 2.8.7.2, 2.8.7.3,2.8.8)	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
		Wiring Connection and Supply General Clause-3.1	IEC 60950-1:2005 + A1:2009 + A2:2013

  
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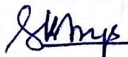
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**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	<b>Information Technology Equipment –Safety Requirement</b>	Connections to Mains Supply Clause-3.2	IEC 60950-1:2005 + A1:2009 + A2:2013
		Wiring Terminals for External Conductors Clause-3.3	IEC 60950-1:2005 + A1:2009 + A2:2013
		Disconnections from the Mains Supply Clause-3.4	IEC 60950-1:2005 + A1:2009 + A2:2013
		Interconnection of Equipment Clause- 3.5	IEC 60950-1:2005 + A1:2009 + A2:2013
		Physical Requirements Stability Clause- 4.1	IEC 60950-1:2005 + A1:2009 + A2:2013
		Opening in Enclosure Clause- 4.6	IEC 60950-1:2005 + A1:2009 + A2:2013
		Resistance to Fire Clause- 4.7.3	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
		Voltage Surge Test Clause- 7.4.2	IEC 60950-1:2005 + A1:2009 + A2:2013

  
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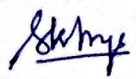
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**Validity:** 18/04/2021 to 17/04/2024

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	<b>Information Technology Equipment –Safety Requirement</b>	(1.2/50 us) Impulse Test Clause- 1.5.7.2, 2.10.3.9	IEC 60950-1:2005 + A1:2009 + A2:2013
		(10/700 us) Impulse Test Clause- 1.5.7.3, 6.2.2.1, 2.10.3.9	IEC 60950-1:2005 + A1:2009 + A2:2013
		Requirement for the mounting means of rack-mounted equipment (Annex DD)	IEC 60950-1:2005 + A1:2009 + A2:2013
		Household and home/ office document/ media shredder (Annex EE)	IEC 60950-1:2005 + A1:2009 + A2:2013
		Electric Strength Test Clause- 5.2	IEC 60950-1:2005 + A1:2009 + A2:2013

  
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