



**GOVERNMENT OF INDIA  
MINISTRY OF COMMUNICATIONS  
DEPARTMENT OF TELECOMMUNICATIONS  
TELECOMMUNICATION ENGINEERING CENTRE**  
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi - 110 001

## **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-1/6 (Basement, Stilt and U. G. F.), Paschim Vihar, New Delhi-110 063**

**In the field of Testing**

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

**Issue Date: 25/07/2022**

**Valid Until: 24/07/2025**

**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 (MTCET)  
For Designating Authority  
TEC**



Certificate No: TEC/MRA/CAB/IND-D/17-II dated 25/07/2022 issued to  
M/s AB MSAI Research Labs Private Limited, New Delhi  
A-1/6 (Basement, Stilt and U.G.F.),  
Paschim Vihar, New Delhi-110 063



Validity: - 25/07/2022 to 24/07/2025

### **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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A handwritten signature in black ink, likely of the recipient or a representative.

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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.

*Sk/my*

*[Signature]*



**SCOPE OF DESIGNATION**  
**(ANNEXURE)**

**Laboratory Name:** M/s AB MSAI Research Labs Private Limited, New Delhi  
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**Certificate Number:** TEC/MRA/CAB/IND-D/17-II

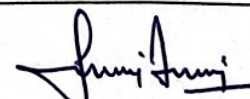
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**Validity:** 25/07/2022 to 24/07/2025

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

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
1.	<b>Safety Requirement for Batteries</b>	External short circuit (Cell) for Lithium Clause- 7.3.1 & 7.3.2	IEC 62133-2:2017
		Free fall – for Lithium Clause- 7.3.3	IEC 62133-2:2017
		Thermal abuse (Cell)- For Lithium Clause- 7.3.4	IEC 62133-2:2017
		Crush (Cell) - For Lithium Clause- 7.3.5	IEC 62133-2:2017
		Overcharging of battery - For Lithium Clause- 7.3.6	IEC 62133-2:2017
		Forced discharge (Cell)- For Lithium Clause- 7.3.7	IEC 62133-2:2017
2.	<b>Safety Testing for Instruments for Measurement and Laboratory use</b>	Mains Supply Clause- 5.1.3	IEC 61010-1:2010
		Single Fault Test Clause- 4.4.4	IEC 61010-1:2010
		Equipment temperature limits and resistance to heat Clause- 10.1 to 10.4	IEC 61010-1:2010

  
**Director (CA), TEC**

  
**AD (CA), TEC**

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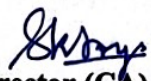
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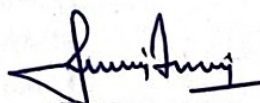
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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	<b>Safety Testing for Instruments for Measurement and Laboratory use</b>	Durability of Markings Clause- 5.3	IEC 61010-1:2010
		Determination of Accessible Parts Clause- 6.2	IEC 61010-1:2010
		Touch Current Clause- 6.1.1.6.3	IEC 61010-1:2010
		Protective Bonding Clause- 6.5.2	IEC 61010-1:2010
		Plugs & Connectors (Capacitor discharge test) Clause- 6.10.3	IEC 61010-1:2010
		Clearance & Creepage distance Clause- 6.7.2.1, 6.7.3.3	IEC 61010-1:2010
		Humidity Conditioning Clause 6.8.2	IEC 61010-1:2010
		Cord entry Clause- 6.10.2.1	IEC 61010-1:2010
		Cord anchorage Clause- 6.10.2.2	IEC 61010-1:2010
		Stability Clause- 7.4	IEC 61010-1:2010

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

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	<b>Safety Testing for Instruments for Measurement and Laboratory use</b>	Impact Clause- 8.2.2	IEC 61010-1:2010
		Drop Clause- 8.3	IEC 61010-1:2010
		Limited Energy Circuit Measurements Clause- 9.4	IEC 61010-1:2010
		Non-Metallic enclosure (Stress relief) Clause- 10.5.2	IEC 61010-1:2010
		Insulating Material (Ball Pressure) Clause- 10.5.3	IEC 61010-1:2010
3.	<b>Environmental Testing for Telecom Equipment</b>	Low Temperature Test (Cold Cycle)	QM-333 March 2010
		High Temperature Test (Dry Heat Cycle)	QM-333 March 2010
		Tropical Exposure Test (Damp Heat Cycle)	QM-333 March 2010
		Rapid Temperature Cycle Test	QM-333 March 2010
		Damp Heat (Steady state)	QM-333 March 2010

  
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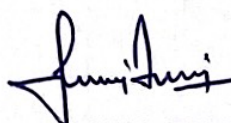
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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
4.	Mobile Phone Handsets	IMEI and MEID/ ESN [IS 16333 (Part-1):2015 Clause 4.8]	TEC ER No. TEC47722205
		Support for Indian Language (applicable to Mobile Handset only) [IS 16333 (Part 3): 2017, except Clause 6]	TEC ER No. TEC47722205
		Support for emergency services- Panic button in all Mobile Handset GSR No. 436(E) dated 22.04.2016	TEC ER No. TEC47722205
		Support for emergency services- Facility of Identifying location through satellite based GPS in Smart Phone Handsets GSR No. 1441(E) dated 23.11.2017.	TEC ER No. TEC47722205

  
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