

**Government of India**  
**Department of Telecommunications**  
**Telecommunication Engineering Centre**  
**Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi – 110001**



No. 1-86/2023- सी .ए./टी .ई .सी.

दिनांक:- 23.02.2024

To,

**EMC Lab, ITI Limited, Bangalore**  
**F-53, Telecom Test Labs, ITI Limited, Doorvaninagar,**  
**Bangalore - 560 016, INDIA**  
**Mob: 9742289097, E-Mail: kal\_bgp@itilttd.co.in**

[Kind attention to Ms. Alli Rani K, Chief Manager (Test Labs)]

**Subject: Enhancement of Scope of CAB Designation of EMC Lab, ITI Limited, Bangalore**

- Ref: 1. TEC CAB Designation Certificate no. TEC/MRA/CAB/IND-D/79 dated 17.12.2021**  
**2. Your application for enhancement of Scope of CAB Designation vide Application dated 09.10.2023 received in TEC on dated 17.10.2023 in offline mode.**

This is in reference to your application for enhancement of Scope of CAB Designation of Certificate No. TEC/MRA/CAB/IND-D/79 dated 17.12.2021, valid upto 16.12.2024, submitted vide Application dated 09.10.2023 received in TEC on dated 17.10.2023 in offline mode.

2. In reference to Clause No. 11.2 of TEC CAB Designation Scheme TEC 04019:2023, the Scope of Designation of CAB Certificate no. referred above is hereby enhanced in respect of test parameters as per detail mentioned in Annexure attached.
3. All other details, terms and conditions and validity of CAB Designation Certificate no. TEC/MRA/CAB/IND-D/79 dated 17.12.2021 shall remain unchanged.
4. This is issued with the approval of Competent Authority.

Encl: as above.

(Vijay Dixit)  
Director (CA), TEC

Copy to:

1. DDG (TC), TEC, New Delhi for kind information and necessary action
2. DDG (NR)/DDG(ER)/DDG (WR)/DDG (SR) TEC for kind information

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



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

**Laboratory Name: M/S EMC Lab, ITI Limited, Bangalore  
F-53, Telecom Test Labs, ITI Limited,  
Doorvaninagar, Bangalore-560 016**

**Certificate Number: TEC/MRA/CAB/IND-D/79**

**Page 1 of 3**

**Validity: 17/12/2021 to 16/12/2024**

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

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
1.	<b>Audio/Video, Information and Communication Technology Equipment</b>	Mechanical Strength Test Clause-Annex- T1, T2, T3, T4 and T5	IEC 62368-1
		IR Test Clause- 5.4.10.3	IEC 62368-1
		Drop Test Clause-4.4.3.3, Annex- T7	IEC 62368-1
		Enclosure Impact Test Annex-T6	IEC 62368-1
		Glass Impact Test Annex-T9	IEC 62368-1
		Equipment for direct insertion into Main Socket Outlet Clause- 4.7.3	IEC 62368-1
		Equipment Mounted to a Wall or Ceiling Clause- 8.7	IEC 62368-1
		Humidity Conditioning Clause- 5.4.8	IEC 62368-1
		Mandrel Test Clause- 5.4.4.6.5	IEC 62368-1
		Prospective Touch Voltage Clause- 5.7	IEC 62368-1
		Touch Current Clause- 5.7	IEC 62368-1
		Protective Conductor Current Clause- 5.7	IEC 62368-1
		Relocation Stability Clause- 8.6.3	IEC 62368-1

**\*The validity of Certificate is up to 16/12/2024 or the continued validity of NABL Accreditation, whichever is earlier.**

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**Page 2 of 3**

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

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	<b>Audio/Video, Information and Communication Technology Equipment</b>	Static Stability Clause- 8.6.2	IEC 62368-1
		Stress Relief Test Clause- 4.8.4.2	IEC 62368-1
		Thermoplastic Material Test Clause- 4.4.3.8, Annex-T8	IEC 62368-1
		Ball Pressure Test Clause- 5.4.1.10.3	IEC 62368-1
		Chord Anchorage Test Clause- 7.3.2.1	IEC 62368-1
		Circuit Intended for Interconnection with Building Wiring Clause-Annex Q	IEC 62368-1
		Humidity Treatment Clause- 5.4.1.3	IEC 62368-1
		Electric Strength Test Clause-5.4.9	IEC 62368-1
		Input Test Clause-Annex. B 2.5	IEC 62368-1
		Maximum Operating Temperature Clause- 5.4.1.4	IEC 62368-1
		Steady State Test (Electrical Strength Test) Clause- 5.4.10.2.3	IEC 62368-1
		Horizontal Force Test Clause- 8.6.5	IEC 62368-1
		Impact Test/ Enclosure Impact Test Clause- 4.8.4.5	IEC 62368-1

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<b>Sl. No.</b>	<b>Telecom Equipment/Product</b>	<b>Test Parameter or Type of Testing</b>	<b>Standard/Specification</b>
	<b>Audio/Video, Information and Communication Technology Equipment</b>	Impact Test/ Enclosure Impact Test Clause- 4.8.4.5, Clause-4.4.3.4, Annex T6	IEC 62368-1
<b>2.</b>	<b>EMI/EMC testing of Telecom Equipment:</b>	DC Voltage Dips and Short Interruptions IEC 61000-4-29	TEC/SD/DD/ EMC-221/05/ OCT-16

**AD (CA), TEC**

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