



**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 DELHI TEST HOUSE, SONIPAT
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

**Plot No. 50, PHASE-IV, SECTOR-57, HSIDC INDUSTRIAL AREA, Kundli,
Sonipat-131 028**

In the field of Testing

Certificate No. TEC/MRA/CAB/IND-D/102

Issue Date: 12/09/2024

Validity: 12/09/2024 to 11/09/2027

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

**Sanjeev Kumar Arya
Director (CA)
For Designating Authority
TEC**

**Certificate No: TEC/MRA/CAB/IND-D/102 dated 12/09/2024 issued to
M/s Delhi Test House, Sonipat
Plot No. 50, PHASE-IV, SECTOR-57, HSIDC
INDUSTRIAL AREA, Kundli, Sonipat-131 028**



Validity: -12/09/2024 to 11/09/2027

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.

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SCOPE OF DESIGNATION
(ANNEXURE)

Laboratory Name: M/s Delhi Test House, Sonipat
Plot No. 50, Phase-IV, Sector-57, HSIDC
Industrial Area, Kundli, Sonipat-131 028

Certificate Number: TEC/MRA/CAB/IND-D/102

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Validity: 12/09/2024 to 11/09/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
1.	Information Technology Equipment-Safety Requirements	Power Interface Clause 1.6	IEC 60950-1
		Verification of Marking Clause 1.7	IEC 60950-1
		Protection from Electric Shock and Energy Hazards Clause- 2.1	IEC 60950-1
		Access to Energized Parts Clause-2.1.1	IEC 60950-1
		Access to Energized Parts - SELV Ckt Test - TNV Ckt Test - Limited Current Circuit Clause-2.1.1.1	IEC 60950-1
		Battery Compartments Clause-2.1.1.2	IEC 60950-1
		Access to ELV Wiring Clause-2.1.1.3	IEC 60950-1
		Access to Hazardous Voltage Circuit Wiring Clause-2.1.1.4	IEC 60950-1
		Energy Hazard Clause-2.1.1.5	IEC 60950-1
		Manual Controls Clause- 2.1.1.6	IEC 60950-1
		Discharge of Capacitors in Equipment Clause-2.1.1.7	IEC 60950-1
		Energy Hazards (DC Mains Supply) Clause-2.1.1.8	IEC 60950-1

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Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification
	Information Technology Equipment-Safety Requirements	Audio Amplifier in IT Equipment Clause-2.1.1.9	IEC 60950-1
		Protection in Service Access Area Clause-2.1.2	IEC 60950-1
		Protection in Restricted Access Location Clause-2.1.3	IEC 60950-1
		SELV Circuits Clause-2.2	IEC 60950-1
		Steady State Test Clause-2.2.2	IEC 60950-1
		Voltage Under Fault Conditions Clause-2.2.3	IEC 60950-1
		Connection to SELV Circuit to Other Circuit Clause-2.2.4	IEC 60950-1
		TNV Circuits Limits Clause-2.3, 2.3.1, 2.3.2	IEC 60950-1
		Protection by Earthing Clause- 2.3.2.3	IEC 60950-1
		Protection by Other Construction Clause- 2.3.2.4	IEC 60950-1
		Separation from Hazardous Voltage Clause-2.3.3	IEC 60950-1
		Connection of TNV Circuits to Other Circuits Clause-2.3.4	IEC 60950-1
		Test for Operating Voltages Generated Externally Clause-2.3.5	IEC 60950-1

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Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety Requirements	Limited Current Circuits Clause-2.4, 2.4.2, 2.4.3	IEC 60950-1
		Limited Current Circuits Limits Values & Limited Power Sources Clause-2.5	IEC 60950-1
		Provision for Earthing and Bonding Clause-2.6, 2.6.1, 2.6.2, 2.6.3, 2.6.3.5	IEC 60950-1
		Size of Protective Earthing & Bonding Conductor Clause-2.6.3.2, 2.6.3.3	IEC 60950-1
		Resistance of Earthing Conductors and their Terminals Clause- 2.6.3.4	IEC 60950-1
		Terminals Clause -2.6.4, 2.6.4.2, 2.6.4.3	IEC 60950-1
		Integrity of Protective Earthing Clause-2.6.5, 2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.5, 2.6.5.6, 2.6.5.7, 2.6.5.8	IEC 60950-1
		Over Current and Earth Fault Protection in Primary Circuits Clause-2.7, 2.7.1,2.7.3, 2.7.4, 2.7.5, 2.7.6	IEC 60950-1
		Protection requirement for Safety Interlocks Clause-2.8, 2.8.1, 2.8.2	IEC 60950-1
		Inadvertent Reactivations Clause-2.8.3	IEC 60950-1
		Fail Safe Operation Clause-2.8.4	IEC 60950-1

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Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety Requirements	Moving Part Clause- 2.8.5	IEC 60950-1
		Overriding Clause-2.8.6	IEC 60950-1
		Switches, Relays and their related Circuits Clause-2.8.7, 2.8.7.1	IEC 60950-1
		Endurance Clause-2.8.7.3	IEC 60950-1
		Electric Strength Test Clause-2.8.7.4	IEC 60950-1
		Mechanical Actuator Clause-2.8.8	IEC 60950-1
		Electrical Insulation Clause- 2.9, 2.9.1, 2.9.2, 2.9.3, 2.9.4	IEC 60950-1
		Creepage Distance / Clearance /Distance through Insulation (Determination of Working Voltage) Clause-2.10, 2.10.1.1, 2.10.1.2, 2.10.1.3, 2.10.1.4, 2.10.1.5, 2.10.1.6, 2.10.1.7, 2.10.2, 2.10.2.2, 2.10.2.3	IEC 60950-1
		Clearances Clause-2.10.3, 2.10.3.2, 2.10.3.3, 2.10.3.4, 2.10.3.5, 2.10.3.6, 2.10.3.7, 2.10.3.8, 2.10.3.9	IEC 60950-1
		Creepage Distance Clause-2.10.4, 2.10.4.2, 2.10.4.3	IEC 60950-1

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Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety Requirements	Solid Insulation/ Distance Through Insulation Clause-2.10.5, 2.10.5.2, 2.10.5.3, 2.10.5.4, 2.10.5.5, 2.10.5.6, 2.10.5.7, 2.10.5.8, 2.10.5.9, 2.10.5.10, 2.10.5.11, 2.10.5.12, 2.10.5.14	IEC 60950-1
		Construction of Printed Boards Clause-2.10.6, 2.10.6.1, 2.10.6.2, 2.10.6.3, 2.10.6.4	IEC 60950-1
		Component External Termination Clause-2.10.7	IEC 60950-1
		Tests on Coated Printed Boards and Coated Components Clause-2.10.8, 2.10.8.1, 2.10.8.2, 2.10.8.3, 2.10.8.4	IEC 60950-1
		Thermal Cycling Clause-2.10.9	IEC 60950-1
		Test for PD-1/ Test for Semiconductor Device for Uncemented Join/Enclosed and Sealed Parts Clause-2.10.10, 2.10.11, 2.10.12	IEC 60950-1
		Wiring, Connections and Supply and Current Rating an Over Current Protection Clause-3, 3.1.1	IEC 60950-1
		Protection against Mechanical Damage / Securing of Internal Wiring/Sleeving on Wiring Clause-3.1.2	IEC 60950-1
		Protection against Mechanical Damage / Securing of Internal Wiring/Sleeving on Wiring Clause-3.1.3	IEC 60950-1

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety Requirements	Insulation of Conductors/ Beads and Ceramic Insulators Clause-3.1.4, 3.1.5, 3.1.6, 3.1.7, 3.1.8	IEC 60950-1
		Termination of Conductors: 10N Pull Test Clause-3.1.9	IEC 60950-1
		Protection against Mechanical Damage / Securing of Internal Wiring/Sleeving on Wiring Clause-3.1.10	IEC 60950-1
		Connection to a Mains Supply/ Means of Connection/ Connection to an AC Mains Supply/ Connection to a DC Mains Supply Clause-3.2, 3.2.1.1, 3.2.1.2	IEC 60950-1
		Multiple Supply Connections Clause-3.2.2	IEC 60950-1
		Permanently Connected Equipment Clause-3.2.3	IEC 60950-1
		Appliance Inlet Clause-3.2.4	IEC 60950-1
		Power Supply Cords Clause-3.2.5, 3.2.5.1, 3.2.5.2	IEC 60950-1
		Cord Anchorage and Strain Relief Clause-3.2.6	IEC 60950-1
		Protection against Mechanical Damage Clause-3.2.7	IEC 60950-1
		Cord Guards Clause-3.2.8	IEC 60950-1

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety Requirements	Supply Wiring Space Clause-3.2.9	IEC 60950-1
		Wiring Terminals for Connection of External Conductors / Screw Terminal Clause-3.3, 3.3.1, 3.3.3	IEC 60950-1
		Connection of Non-Detachable Power Supply Cord Clause-3.3.2	IEC 60950-1
		Conductor Size to be connected / Wiring Terminal Sizes /Wiring Terminal and Design/ Grouping of Wiring Terminal /Standard Wire Clause-3.3.4, 3.3.5, 3.3.6, 3.3.7, 3.3.8	IEC 60950-1
		Disconnection from the Main Supply Clause-3.4, 3.4.2, 3.4.3, 3.4.4, 3.4.5, 3.4.6, 3.4.7, 3.4.8, 3.4.9, 3.4.10, 3.4.11	IEC 60950-1
		Interconnection of Equipment Clause-3.5, 3.5.2, 3.5.3, 3.5.4	IEC 60950-1
		Physical Requirements Clause-4	IEC 60950-1
		Stability Clause-4.1	IEC 60950-1
		Mechanical Strength Clause-4.2	IEC 60950-1
		Steady Force Test Clause-4.2.2, 4.2.3, 4.2.4	IEC 60950-1

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety Requirements	Impact Test Clause-4.2.5	IEC 60950-1
		Drop Test Clause-4.2.6	IEC 60950-1
		Stress Relief Test Clause-4.2.7	IEC 60950-1
		High Pressure Lamps Clause-4.2.9	IEC 60950-1
		Mechanical Strength for Wall or Ceiling mounted Equipment Clause-4.2.10	IEC 60950-1
		Design and Construction Clause-4.3	IEC 60950-1
		Edges & Corners Clause-4.3.1	IEC 60950-1
		Design & Construction for Handles & Manual Controls Clause-4.3.2	IEC 60950-1
		Adjustable Controls Clause-4.3.3	IEC 60950-1
		Securing of Parts Clause-4.3.4	IEC 60950-1
		Connections by Plugs and Sockets Clause-4.3.5	IEC 60950-1
		Direct Plug-in Equipment Clause-4.3.6	IEC 60950-1

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety Requirements	Heating Elements in Earthed Equipment Clause-4.3.7	IEC 60950-1
		Batteries Clause-4.3.8	IEC 60950-1
		Oil & Grease Clause-4.3.9	IEC 60950-1
		Dust, Powders, Liquids and Gases Clause-4.3.10	IEC 60950-1
		Containers for Liquids or Gases Clause-4.3.11	IEC 60950-1
		Flammable Liquids Clause-4.3.12	IEC 60950-1
		Lasers (including Laser Diodes) and LED's Clause-4.3.13.5	IEC 60950-1
		Other Types Clause-4.3.13.6	IEC 60950-1
		Protection against Hazardous Moving Parts Clause-4.4, 4.4.2, 4.4.3, 4.4.4	IEC 60950-1
		Thermal Requirements Clause-4.5	IEC 60950-1
		Temperature Tests (Temperature of Electrical Insulation other than winding) Clause-4.5.2	IEC 60950-1
		Resistance to Abnormal Heat Clause-4.5.5	IEC 60950-1

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety Requirements	Temperature Limits for Materials Clause-4.5.3	IEC 60950-1
		Touch Temperature Limits Clause-4.5.4	IEC 60950-1
		Opening in Enclosure Clause-4.6, 4.6.1, 4.6.2, 4.6.3, 4.6.4, 4.6.4.1, 4.6.4.3, 4.6.5	IEC 60950-1
		Evaluation Measures for Larger Opening Clause-4.6.4.2	IEC 60950-1
		Resistance to Fire (Glow Wire Test, Needle Flame Test) Clause-4.7, 4.7.1, 4.7.2, 4.7.2.1, 4.7.2.2, 4.7.3, 4.7.3.2, 4.7.3.3, 4.7.3.4, 4.7.3.5, 4.7.3.6	IEC 60950-1
		Electrical Requirements And Simulated Abnormal Conditions Clause- 5	IEC 60950-1
		Touch Current & Protective Conductor Current Clause-5.1, 5.1.2.1, 5.1.2.2, 5.1.2.3, 5.1.3, 5.1.4, 5.1.5, 5.1.6, 5.1.7, 5.1.7.2, 5.1.8, 5.1.8.1, 5.1.8.2	IEC 60950-1
		Electric Strength Clause-5.2	IEC 60950-1
		Component Failure Test, Abnormal Operation Test, Transformer Abnormal Operation Test Clause-5.3, 5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.3.5, 5.3.6, 5.3.7, 5.3.8, 5.3.9, 5.3.9.1, 5.3.9.2	IEC 60950-1

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety Requirements	Protection of Telecommunication Network Service Persons, and Users of other Equipment Connected to the Network, from Hazards in the Equipment Clause-6, 6.1	IEC 60950-1
		Protection from Hazardous Voltages Clause-6.1.1	IEC 60950-1
		Separation of the Telecommunication Network from Earthing Clause-6.1.2, 6.1.2.2	IEC 60950-1
		Protection of Equipment Users from Over Voltages on Telecommunication Networks Clause-6.2, 6.2.1	IEC 60950-1
		Electric Strength Test Procedure Clause-6.2.2	IEC 60950-1
		Impulse Test Clause-6.2.2.1	IEC 60950-1
		Steady State Test Clause-6.2.2.2	IEC 60950-1
		Compliance criteria (Breakdown of Insulation) Clause-6.2.2.3	IEC 60950-1
		Protection of the Telecommunication Wiring System from Overheating Clause-6.3	IEC 60950-1
		Connection to Cable Distribution Systems Clause-7, 7.2, 7.3, 7.4	IEC 60950-1

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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 Delhi Test House, Sonipat
Plot No. 50, Phase-IV, Sector-57, HSIDC
Industrial Area, Kundli, Sonipat-131 028

Certificate Number: TEC/MRA/CAB/IND-D/102

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Validity: 12/09/2024 to 11/09/2027

Last Amended on: ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Information Technology Equipment-Safety Requirements	Voltage Surge Test Clause-7.4.2	IEC 60950-1
		Impulse Test Clause-7.4.3	IEC 60950-1
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, 4.3.2.1, 4.3.2.2, 4.3.2.3, 4.3.2.4, 4.3.3.1, 4.3.3.2, 4.3.3.3, 4.3.4.1, 4.3.4.2, 4.3.4.3, 4.3.5, 4.4, 4.4.1, 4.4.2, 4.4.3.2, 4.4.3.3, 4.4.3.4, 4.4.3.5, 4.4.3.6, 4.4.3.7, 4.4.3.8, 4.4.3.10, 4.4.4, 4.4.5, 4.5, 4.6, 4.7, 4.7.3, 4.8, 4.8.3, 4.8.4.2, 4.8.4.3, 4.8.4.4, 4.8.4.5, 4.8.4.6, 4.8.5, 4.9, 4.10, 4.10.1, 4.10.2	IEC 62368-1
		Electrically-Caused Injury Clause-5, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8 with all Sub-Clauses	IEC 62368-1
		Max. Operating Temperatures for Materials, Components and Systems Test Method and Compliance Criteria Clause-5.4.1.4	IEC 62368-1
		Clearances Clause-5.4.2	IEC 62368-1
		Electrically-Caused Fire Clause-6, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6	IEC 62368-1
		Power Source Circuit Classification Clause-6.2.2	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	Injury Caused by Hazardous Substances Clause-7, 7.2, 7.3, 7.4, 7.5, 7.6	IEC 62368-1
		Mechanically-Caused Injury Clause-8, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 8.10, 8.11, 8.12 with all Sub-Clauses	IEC 62368-1
		Mechanical Energy Source Classifications Clause-8.2	IEC 62368-1
		Thermal Burn Injury Clause-9, 9.2, 9.3, 9.4, 9.5, 9.6	IEC 62368-1
		Normal Operating Condition Tests, Abnormal Operating Condition Tests and Single Fault Condition Tests Clause-Annex B, B.2.5, B.2.6, B.3, B.3.3, B.3.4, B.3.5, B.3.6, B.3.7, B.3.8, B.4, B.4.2, B.4.3, B.4.4, B.4.4.1, B.4.4.2, B.4.4.3, B.4.5, B.4.6, B.4.7, B.4.8, B.4.9	IEC 62368-1
		Test Generators Clause-Annex D, D.1, D.2, D.3	IEC 62368-1
		Test Conditions Clause-Annex E	IEC 62368-1
		Equipment Markings, Instructions, and Instructional Safeguards, Clause-Annex F	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	Components Clause-Annex G, G.1, G.2, G.3, G.4, G.5, G.6, G.7, G.8, G.9, G.10, G.11, G.12, G.13, G.14, G.15, G.16 with all Sub-Clauses (Verification Only)	IEC 62368-1
		Overvoltage Categories Clause-Annex I	IEC 62368-1
		Insulated Winding Wires for use Without Interleaved Insulation Clause-Annex J, J.2.2, J.2.3, J.2.4, J.2.5, J.3.2, J.3.3	IEC 62368-1
		Safety Interlocks Clause-Annex K	IEC 62368-1
		Disconnect Devices Clause-Annex L	IEC 62368-1
		Equipment Containing Batteries and their Protection Circuits Clause-Annex M, M.2, M.3, M.4, M.4.3, M.4.4, M.4.4.4, M.4.4.5, M.5, M.6, M.7, M.7.3, M.8, M.9, M.10 (except M.7, M.8)	IEC 62368-1
		Electrochemical Potentials Clause-Annex N	IEC 62368-1
		Measurement of Creepage Distances and Clearances Clause-Annex O	IEC 62368-1
		Safeguards against Conductive Objects Clause-Annex P, P.2, P.3, P.4	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	Circuits intended for Interconnection with Building Wiring Clause-Annex Q	IEC 62368-1
		Limited Short-Circuit Test Clause-Annex R	IEC 62368-1
		Tests for Resistance to Heat and Fire Clause-Annex S, S.1, S.2, S.3, S.4, S.5	IEC 62368-1
		Mechanical Strength Tests Clause-Annex T, T.2, T.3, T.4, T.5, T.6, T.7, T.8, T.9, T.10, T.11	IEC 62368-1
		Determination of Accessible Parts Clause-Annex V	IEC 62368-1
		Construction Requirements for Outdoor Enclosure Clause-Annex Y, Y.2, Y.3, Y.4, Y.4.3, Y.4.4, Y.4.5, Y.5, Y.5.2, Y.5.3, Y.5.4, Y.5.5, Y.6, Y.6.2	IEC 62368-1
3. Secondary Cell sand Batteries (Lithium-ion system)- Safety Requirements	Charging Procedure for Test Purposes Clause- 7.1	IEC 62133-2	
	Continuous Charging at Constant Voltage (Cells) Clause- 7.2.1	IEC 62133-2	
	Crush (Cells) Clause- 7.3.5	IEC 62133-2	
	External Short Circuit (Cell) Clause-7.3.1	IEC 62133-2	
	External Short Circuit (Battery) Clause-7.3.2	IEC 62133-2	

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Secondary Cell sand Batteries (Lithium-ion system)- Safety Requirements	Forced Discharge (Cells) Clause- 7.3.7	IEC 62133-2
		Free Fall Clause- 7.3.3	IEC 62133-2
		Insulation and Resistance Test Clause- 5.2	IEC 62133-2
		Mechanical Shock Clause- 7.3.8.2	IEC 62133-2
		Over-Charging of Battery Clause 7.3.6	IEC 62133-2
		Thermal Abuse (cells) Clause- 7.3.4	IEC 62133-2
		Vibration Test Clause- 7.3.8.1	IEC 62133-2
		Case Stress at High Ambient Temperature Clause- 7.2.2	IEC 62133-2
4.	Uninterruptible Power System (UPS)- General and Safety requirements	Abnormal Operating and Fault Conditions Clause- 8.3	IEC 62040-1
		Backfeed Protection Clause 5.1.4	IEC 62040-1
		Clearance, Creepage Distance and Distance through Insulation Clause- 5.7	IEC 62040-1
		Connection to Telecommunication Networks Clause- 9	IEC 62040-1

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Uninterruptible Power System (UPS)- General and Safety requirements	Constructions Details Clause- 7.4	IEC 62040-1
		Verification of Markings Clause- 4.7	IEC 62040-1
		Electric Strength Clause- 8.2	IEC 62040-1
		General Provision for Earth Leakage Clause- 8.1	IEC 62040-1
		General Provision for Connection to Power Clause- 6.2.1	IEC 62040-1
		Guidance on Protection against Ingress of Water and Foreign Clause- Annex-H	IEC 62040-1
		Limited Power Source Clause 5.2.5	IEC 62040-1
		Limited Current Circuits Clause-5.2.3	IEC 62040-1
		Mechanical Strength Clause- 7.3	IEC 62040-1
		Power Interface Clause- 4.6	IEC 62040-1
		Resistance to Fire Clause- 7.5	IEC 62040-1
		Stability Clause- 7.2	IEC 62040-1

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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Uninterruptible Power System (UPS)- General and Safety requirements	Temperature Rise Clause- 7.7	IEC 62040-1
		Protective Earthing and Bonding Clause-5.3	IEC 62040-1
		Battery Location Clause- 7.6, 7.6.1 to 7.6.8	IEC 62040-1
		Over Current and Earth Fault Protection Clause- 5.5.1, 5.5.2	IEC 62040-1
		Protection against Electric Shock and Energy Hazards Clause- 5.1, 5.1.1, 5.1.2, 5.1.3	IEC 62040-1
		Safety Extra Low Voltage-SELV Circuit Clause-5.2.1	IEC 62040-1
		Telephone Network Voltage Circuits- TNV circuit Clause- 5.2.2	IEC 62040-1
		Requirements for Auxiliary Circuits Clause- 5.2	IEC 62040-1
		Wiring Terminal for External Power Conductors Clause- 6.3	IEC 62040-1

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