



सत्यमेव जयते



**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 UL India Private Limited
has been assessed and designated as Conformity Assessment Body (CAB)
for its facilities at

**The Oak Building, Second Floor, Kalyani Platina Campus,
Sy. No. 129/4 EPIP Zone, Phase II, Whitefield, Bengaluru- 560 066 (Karnataka)
In the field of Testing**

Certificate No. TEC/MRA/CAB/IND-D/26-I

Issue Date: 14/03/2022

Valid Until: 13/03/2025

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)

Signed for and on behalf of TEC

**Prasanth Kumar
Deputy Director General (MTCTE)
For Designating Authority
TEC**

Certificate No: TEC/MRA/CAB/IND-D/26-I dated 14/03/2022 issued to
M/s UL India Private Limited
The Oak Building, Second Floor, Kalyani Platina Campus,
Sy. No. 129/4 EPIP Zone, Phase II, Whitefield, Bengaluru- 560 066



Validity: - 14/03/2022 to 13/03/2025

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.

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 UL India Private Limited
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Certificate Number: TEC/MRA/CAB/IND-D/26-I


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Validity: 14/03/2022 to 13/03/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
1.	Indian Language Support for Mobile Phones Handsets-specific Requirements (Part 3)	Mobile Device Indian language support Clause 5.1 & Clause 5.2	IS 16333(Part 3):2017
2.	Environmental Testing of Telecommunication equipment	Vibration Test	QM-333:2010
		Drop Test	QM-333:2010
		Toppling Test	QM-333:2010
		Fall Test	QM-333:2010
		Cold Test	QM-333:2010
		Dry heat Test	QM-333:2010
		Change of Temperature Test (2 chamber method)	QM-333:2010
		Damp Heat Cyclic Test	QM-333:2010
		Damp Heat steady state Test	QM-333:2010


Director (CA), TEC


AD (CA), TEC

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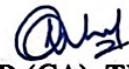
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Validity: 14/03/2022 to 13/03/2025

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
3.	Safety requirements for Radio Transmitting Equipment	Fault Conditions Test Clause- 5.3	IEC 60215 :2016
		Resistance To Humidity Clause- 6.3.2	IEC 60215 :2016
		Resistance to Ingress of Water Clause- 6.3.3	IEC 60215 :2016
		Protection against harmful electric shock & radio frequency skin burns , Opening in enclosure Clause- 7.1,7.3	IEC 60215 :2016
		High Temperatures Clause- 8.2, 8.2.1, 8.2.2	IEC 60215 :2016
		Creepage and Clearance distances Annex-A	IEC 60215 :2016
		Ionizing radiation Clause- 8.5.2	IEC 60215 :2016
4.	Audio/Video, Information and Communication Technology Equipment:- Safety Requirement	Fixing Conductor Clause-4.6	IEC 62368-1:2018
		Equipment for direct insertion into mains socket- outlets Clause-4.7	IEC 62368-1:2018
		Equipment containing coin / button cell batteries Clause-4.8	IEC 62368-1:2018


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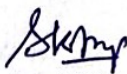
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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video, Information and Communication Technology Equipment:- Safety Requirement	Stress Relief Test Clause-T.8	IEC 62368-1:2018
		Relocation Stability Test Clause-8.6.3	IEC 62368-1:2018
		Battery Replacement Test Clause-4.8.4.3	IEC 62368-1:2018
		Drop Test Clause-4.8.4.4	IEC 62368-1:2018
		Impact Test Clause-4.8.4.5	IEC 62368-1:2018
		Crush Test Clause-4.8.4.6	IEC 62368-1:2018
		Force Test (Battery Compartment door/Cover) Clause-4.8.5	IEC 62368-1:2018
		Classification and limits of electrical energy sources Clause-5.2	IEC 62368-1:2018
		Equipment for direct insertion in to mains socket-outlets Clause-4.7	IEC 62368-1:2018


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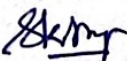
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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video, Information and Communication Technology Equipment-: Safety Requirement	Maximum operating temperature (Temperature measurement Clause-5.4.1.4	IEC 62368-1:2018
		Thermal cycling Clause- G.15.2.6, 5.4.1.5.3	IEC 62368-1:2018
		RMS working voltage / Peak working voltage (working voltage) Clause- 5.4.1.8	IEC 62368-1:2018
		Ball pressure test Clause- 5.4.1.10.3	IEC 62368-1:2018
		Clearance, Creepage Clause- 5.4.3	IEC 62368-1:2018
		Determining the adequacy of a clearance using an electric strength test Clause- 5.4.2.4	IEC 62368-1:2018
		Standard test procedure for non-separable thin sheet material Clause- 5.4.4.6.4	IEC 62368-1:2018
		Mandrel test Clause- 5.4.4.6.5	IEC 62368-1:2018
		Antenna Terminal Insulation Clause-5.4.5	IEC 62368-1:2018


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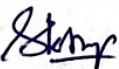
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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video, Information and Communication Technology Equipment-: Safety Requirement	Insulation of internal wire as a part of supplementary safeguard Clause- 5.4.6	IEC 62368-1:2018
		Humidity Conditioning Clause- 5.4.8	IEC 62368-1:2018
		Electric Strength Test Clause- 5.4.9	IEC 62368-1:2018
		Impulse Test Clause- 5.4.10.2.2	IEC 62368-1:2018
		Steady-State Test (Electric Strength test) Clause- 5.4.10.2.3	IEC 62368-1:2018
		Capacitor discharge Clause- 5.5.2.2	IEC 62368-1:2018
		Separation between external circuit and earth Clause- 5.4.11	IEC 62368-1:2018
		Resistance of the Protective Bonding System (Earth bond test) Clause- 5.6.6	IEC 62368-1:2018
		Prospective touch voltage, touch current and protective conductor current Clause- 5.7	IEC 62368-1:2018


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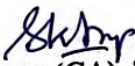
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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video, Information and Communication Technology Equipment-: Safety Requirement	Back feed safeguard in battery backed up supplies Clause- 5.8	IEC 62368-1:2018
		Power Source Circuit classification Clause- 6.2.2	IEC 62368-1:2018
		Top openings and top opening properties Clause- 6.4.8.3	IEC 62368-1:2018
		High pressure lamps Clause- 8.5.5	IEC 62368-1:2018
		Static stability test Clause- 8.6.2	IEC 62368-1:2018
		Downward Force Test Clause- 8.6.2.3	IEC 62368-1:2018
		Relocation Stability Test Clause- 8.6.3	IEC 62368-1:2018
		Glass Slide Test Clause- 8.6.4	IEC 62368-1:2018
		Horizontal Force Test Clause- 8.6.5	IEC 62368-1:2018
		Equipment mounted to a wall or ceiling Clause- 8.7	IEC 62368-1:2018


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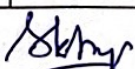
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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	Audio/Video, Information and Communication Technology Equipment:- Safety Requirement	Handle Strength Clause- 8.8	IEC 62368-1:2018
		Wheels or casters attachment requirement Clause- 8.9	IEC 62368-1:2018
		Mechanical strength test for SRME Clause- 8.11.3	IEC 62368-1:2018
		Vibration test G.15.2.4	IEC 62368-1:2018
		Input test B.2.5	IEC 62368-1:2018
		Simulated abnormal operating conditions / Simulated single fault conditions Annex B.3	IEC 62368-1:2018
		Test for the permanence of marking Annex F- 3.10,3.10.2, 3.10.3	IEC 62368-1:2018
		Mains supply connection (Cord anchorage) Annex- G.7	IEC 62368-1:2018
		Criteria for telephone ringing signals (TNV circuit test) Annex- H	IEC 62368-1:2018


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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 Requirement	Limited Power Source Annex- Q.1	IEC 62368-1:2018
		Steady Force Test Annex- T.2 To T.5	IEC 62368-1:2018
		Enclosure Impact Test Annex- T.6	IEC 62368-1:2018
		Glass Impact Test Annex- T.9	IEC 62368-1:2018
5.	IT equipment –Safety Requirements	Input Test Clause-1.6.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Thermal requirement Clause- 4.5.1	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Access to Energized Parts Clause-2.1.1.1	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Access to ELV wiring Clause-2.1.1.3	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Access to hazardous voltage wiring Clause-2.1.1.4	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Overload of operator accessible Parts Clause-5.3	IEC 60950-1:2005 + A1:2009 + A2: 2013


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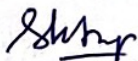
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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	IT equipment –Safety Requirements	Humidity Conditioning Clause-2.9.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Electric Strength Test Clause-5.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Touch Current Test Clause-5.1	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Abnormal operation Test Clause-5.3	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Capacitance discharge Test Clause-2.1.1.7	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Limited Power Source Measurement Test Clause-2.5	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Working Voltage determination Clause-2.10.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Protective bonding Test II Clause-2.6.3.4	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Limited Current Circuit Measurement Clause-2.4.2	IEC 60950-1:2005 + A1:2009 + A2: 2013


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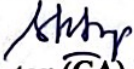
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Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/ Specification
	IT equipment –Safety Requirements	Limitation of touch current to a telecommunication and cable distribution system Clause-5.1.8	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Requirement of separation between telecommunication network from earth Clause-6.1.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Steady Force Test Clause-4.2.2, 4.2.3, 4.2.4	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Impact Test Clause-4.2.5	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Strain Relief Test Clause-3.2.6	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Cord Guard Test Clause-3.2.8	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Hazardous moving Parts Test Clause-4.4	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Stability Test Clause-4.1	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Durability of marking Test Clause-1.7.11	IEC 60950-1:2005 + A1:2009 + A2: 2013


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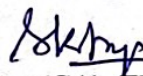
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	IT equipment –Safety Requirements	Stress relief Test Clause-4.2.7	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Drop Test Clause-4.2.6	IEC 60950-1:2005 + A1:2009 + A2: 2013
		TNV Circuits, Limits Clause-2.3.1	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Separation of TNV Ckts from other ckts & from accessible parts Protection by basic Insulation, Protection by Earthing, protection by other constructions Clause-2.3.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Separation from hazardous voltages Clause-2.3.3	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Connection of TNV circuits to other circuits Clause-2.3.4	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Test for operating voltages generated externally Clause-2.3.5	IEC 60950-1:2005 + A1:2009 + A2: 2013


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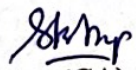
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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IT equipment –Safety Requirements	Energy hazard Clause-2.1.1.5	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Energy hazards – d.c. main supplies Clause-2.1.1.8	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Audio amplifiers in IT Equipment Clause-2.1.1.9	IEC 60950-1:2005 + A1:2009 + A2: 2013
		SELV Circuit Clause-2.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		TNV Circuits Clause-2.3	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Short circuit backup Protection Clause-2.7.3	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Creepage/ clearance/ distance through insulation, peak working voltage Clause-2.10, 2.10.2, 2.10.2.3	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Clearances, Measurement of transient voltages, Clearance in secondary circuits Clause-2.10.3	IEC 60950-1:2005 + A1:2009 + A2: 2013


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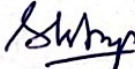
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Validity: 14/03/2022 to 13/03/2025

Last Amended on: ____

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IT equipment –Safety Requirements	Creepage distances Clause-2.10.4	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Solid Insulation, non-separable thin sheet material Clause-2.10.5	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Construction of Printed Boards Clause-2.10.6	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Semiconductor Devices Clause-2.10.5.4	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Thermal cycling & thermal ageing Clause-2.10.9	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Electric Strength Test Clause-2.10.8.3	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Abrasion Resistance test Clause-2.10.8.4	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


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SCOPE OF DESIGNATION (ANNEXURE)

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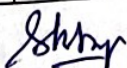
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Last Amended on: ____

Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IT equipment –Safety Requirements	Enclosed and sealed parts Clause-2.10.12	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Insulation of conductor, Termination of conductor Clause-3.1.4, 3.1.9	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Permanently connected equipment, Appliance inlets Clause-3.2.3, 3.2.4	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Steady force Test Clause-4.2.2, 4.2.3, 4.2.4	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Wall or ceiling mounted equipment Clause-4.2.10	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Handles & manual controls Clause-4.3.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Batteries Clause-4.3.8	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Resistance to abnormal heat Clause- 4.5.5	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Top and side openings Clause- 4.6.1	IEC 60950-1:2005 + A1:2009 + A2: 2013


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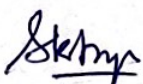
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Validity: 14/03/2022 to 13/03/2025

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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
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IT equipment –Safety Requirements	Bottoms of the enclosures Clause- 4.6.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
	Evaluation measure of larger openings Clause- 4.6.4.2	IEC 60950-1:2005 + A1:2009 + A2: 2013.
	Adhesives for constructional Clause- 4.6.5	IEC 60950-1:2005 + A1:2009 + A2: 2013
	Resistance to fire purposes Clause- 4.7, 4.7.1, 4.7.2, 4.7.2.1, 4.7.2.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
	Materials for fire enclosures Clause- 4.7.3.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
	Materials used in high voltage components Clause- 4.7.3.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
	Abnormal operating and fault conditions Clause- 5.3	IEC 60950-1:2005 + A1:2009 + A2: 2013
	Protection of equipment users from over voltages on telecommunication network Clause- 6.2.1	IEC 60950-1:2005 + A1:2009 + A2: 2013



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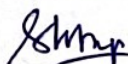
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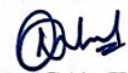
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Sl. No.	Telecom Equipment/ Product	Test Parameter or Type of Testing	Standard/ Specification
	IT equipment –Safety Requirements	Protection of the telecommunication wiring system from overheating Clause- 6.3	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Connection to cable distribution Systems Clause- 7.3	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Surge Test Clause- 7.4.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Impulse Test Clause- 7.4.3.6.2	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Direct plug-in equipment Clause- 4.3.6	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Ball pressure Test Clause- 4.5.5	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Barrier Adhesive test Clause- 4.6.5	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Resistance to fire Clause- 4.7	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Requirements for the mounting means of rack-mounted equipment Annex-DD	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
	IT equipment –Safety Requirements	Household and home/office document/media shredders Annex-EE	IEC 60950-1:2005 + A1:2009 + A2: 2013
		Transformer and wire insulation electric strength Test Clause- 2.10.5.13	IEC 60950-1:2005 + A1:2009 + A2: 2013


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