National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5853 **Page No** 1 of 56

Validity 03/09/2022 to 02/09/2024 **Last Amended on** 04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Cloud Control Capable Router	ISIS Functional Test	RFC 1142/1195
2	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Cloud Control Capable Router	Netconf/YANG Functional Test	RFC 6241/6020
3	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Condenser Click	Condenser Click/Bell Capacitance	ETSI EN 300 001
4	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Digital Switch	General Functions / Features of Digital Switch 1. PSTN Connectivity & compatibility 2. Voice/Data functions 3. Performance Reporting 4. O & M features	TEC/IR/NGS/2MB-001/03 DEC.14
5	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	DWDM product	Channel Spacing	ITU-T G.694.1
6	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	1)Maximum bandwidth limiting 2) Minimum guaranteed bandwidth 3) Minimum two classes of classification	ITU-T-REC-G.984.3-200803 Section 7.5, IEEE 802.3ah, G.987.2, G.9807.1, G.694.1, G.989.2
7	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	1)Port id based VLAN shall be supported at OLT 2)VLAN stacking towards the network at OLT shall be supported	G.984.1/ IEEE 802.1Q (testing procedure)- , IEEE 802.3ah, G.987.2, G.9807.1, G.694.1, G.989.2
8	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	1)Switch fabric in OLT shall be able to handle full wired speed throughputs. 2) MAC learning shall be supported at OLT 3)The operator shall be able to enable/disable MAC address learning function and configure the MAC address learning aging time	G.984.1/ IEEE 802.1Q(testing procedure), IEEE 802.3ah, G.987.2, G.9807.1, G.694.1, G.989.2
9	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	DOS prevention, SSH v1/2 for CLI	ITU-T G.984.3 section V.2, SSH v2- RFC 4251

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	2 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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10	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	MAC address limitation per-ONT	IEEE 802.3
11	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	Support of 802.1x authenticator functionality (MAC based)	IEEE 802.1x
12	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	User name and password-based authentication	ITU-T G.984.3 section 9.2.2 ITU-T G.984.3 section 12, IEEE 802.3ah, G.987.2, G.9807.1, G.694.1, G.989.2
13	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Group Audio Terminal	Functions / Features of Group Audio Terminal - PSTN Connectivity - Availability of Service	TEC/IR/TX/PST-01/02.MAR 2015
14	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Infiniband Switch	Subnet Manager	IBTA Architecture Specification RLC 1.5 as per ER No. TEMP16149456783 55Test No 19 of TEC/SD/DD/TCP-222/2.4 May 2020
15	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway	IPv6 Packet Size Issue	RFC 8200 Clause 5 Annexure P7 TEC/SD/DD/TCP-222/2.9/Aug 2021
16	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway	Each individual gateway shall have a unique “Media Access Control Address” (MAC address) mentioned in the label attached to it, by which it shall be uniquely identified within the network	As per TEC ER of IoT Gateway
17	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway with IPV6 Packet Size Issues parameter	IPV6 Packet Size Issues	RFC 8200 Clause 5 Annex P7 of TEC/SD/DD/TCP-222/2.7/May2021
18	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	Dual IP layer operation: Decapsulation	RFC 4213 Clause 3.6 Annex P6 of TEC/SD/DD/TCP-222/2.7/May2021
19	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	Dual IP layer operation: Link Local Address	RFC 4213 Clause 3.7 Annex P6 of TEC/SD/DD/TCP-222/2.7/May2021

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	3 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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20	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	Dual IP layer operation: Tunnelling	RFC 4213 Clause 3.2.1 Annex P6 of TEC/SD/DD/TCP-222/2.7/May2021
21	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	Dual IP layer operational: Decapsulation	RFC 4213 Clause 3.6 Annexure P6 TEC/SD/DD/TCP-222/2.9/Aug 2021
22	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	Dual IP layer operational: Link Local Address	RFC 4213 Clause 3.7 Annexure P6 TEC/SD/DD/TCP-222/2.9/Aug 2021
23	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	IPV6 Extn. Header Fragment Header	RFC 8200 Clause 4.5 Annex P7 of TEC/SD/DD/TCP-222/2.7/May2021
24	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	IPV6 Extn. Header Fragment Header	RFC 8200 Clause 4.5 Annexure P7 TEC/SD/DD/TCP-222/2.9/Aug 2021:
25	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Tracking Device, Smart Watch and Smart Camera with Non-0 IMEI or MEID or Unique MAC	Non-0 IMEI or MEID or Unique MAC	Annex M of TEC/SD/DD/TCP-222/2.6/September2020
26	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment and similar telecom products with NAT features	NAT Functional Test	Test no 20 of TEC/SD/DD/TCP-222/2.4 May 2020
27	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment (Conformance)	IDS Functional Test	Test No. 20,21 Appendix -II of Annexure P11 of TEC/SD/DD/TCP-222/2.9/Aug 2021:
28	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment (Conformance)	IPS Functional Test	Test No. 22,23 Appendix -II of Annexure P11 of TEC/SD/DD/TCP-222/2.9/Aug 2021:
29	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment (Conformance)	UTM URL Content & Anti Virus Filtering	Test No. 24,25,26 Appendix -II of Annexure P11 of (TEC/SD/DD/TCP-222/2.9/Aug 2021
30	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment and similar telecom products with IP Sec Feature	IPSec Functional Test	Test No 19 of TEC/SD/DD/TCP-222/2.4 May 2020

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	4 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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31	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment and similar telecom products with policy function	Policy Functional Test	Test No 22 of TEC/SD/DD/TCP-222/2.4 May 2020
32	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment with NAT functional test	Test Source NAT NAT64 related feature	Test no 18 of TEC/SD/DD/TCP-222/2.6/September2020
33	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	LAN switch and similar telecom products with Layer-2 Protocols	Spanning Tree Protocol	IEEE 802.1d
34	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	LAN switch and similar telecom products with Layer-2 Protocols	Link Layer discovery protocol (LLDP)	IEEE 802.1ab
35	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	LAN switch and similar telecom products with Layer-2 Protocols	MAC Learning and Packet Forwarding	IEEE 802.1d
36	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway	Functions / Features of Media Gateway - PSTN Connectivity - Voice/Data functions - Compatibility with other networks - Performance Reporting - Operation & Maintenance	TEC/IR/SW/TMG-101/06/NOV-18
37	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and Signaling Gateway with SCTP Parameters Set-A	Chunk field descriptions	RFC 4960 Clause 3.2 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
38	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and Signaling Gateway with SCTP Parameters Set-A	Optional/variable-length parameters format	RFC 4960 Clause 3.2.1 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
39	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and Signaling Gateway with SCTP Parameters Set-A	Reporting of unrecognized parameters	RFC 4960 Clause 3.2.2 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
40	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and Signaling Gateway with SCTP Parameters Set-A	SCTP association state diagram	RFC 4960 Clause 4 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	5 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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41	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and Signaling Gateway with SCTP Parameters Set-A	SCTP common header field descriptions	RFC 4960 Clause 3.1 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
42	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and Signaling Gateway with SCTP Parameters Set-A	SCTP packet Format	RFC 4960 Clause 3 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
43	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and similar telecom products with DTMF Parameters Set-A (Conformance)	Payload Format	RFC 4733 Clause 2.3 Annex P8 of (TEC/SD/DD/TCP-222/2.4/May 2020
44	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and similar telecom products with DTMF Parameters Set-A (Conformance)	Use of RTP header fields	RFC 4733 Clause 2.2 of Annex P8 of TEC/SD/DD/TCP-222/2.4 May 2020
45	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and similar telecom products with DTMF Parameters Set-A- (Conformance)	RTP payload format for named telephones events	RFC 4733 Clause 2 Annex P8 of TEC/SD/DD/TCP-222/2.4 May 2020
46	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with DTMF Parameters Set-A	Payload Format	RFC 4733 Clause 2.3 Annex P8 of TEC/SD/DD/TCP-222/2.6/September2020
47	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with DTMF Parameters Set-A	RTP payload format for named telephones events	RFC 4733 Clause 2 Annex P8 of TEC/SD/DD/TCP-222/2.6/September2020
48	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with DTMF Parameters Set-A	Use of RTP header fields	RFC 4733 Clause 2.2 Annex P8 of TEC/SD/DD/TCP-222/2.6/September2020
49	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with RTP Parameters Set-B	RTP: Payload Type	RFC 3550 Clause 5.1 Annex P2 of TEC/SD/DD/TCP-222/2.6/September2020
50	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with RTP Parameters Set-B	RTP: Sender report RTCP packet version	RFC 3550 Clause 6.4.1 Annex P2 of TEC/SD/DD/TCP-222/2.6/September2020
51	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with RTP Parameters Set-B	RTP: Sequence number	RFC 3550 Clause 5.1 Annex P2 of TEC/SD/DD/TCP-222/2.6/September2020

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	6 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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52	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with RTP Parameters Set-B	RTP: Version and Port	RFC 3550 Clause 5.1 Annex P2 of TEC/SD/DD/TCP-222/2.6/September2020
53	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway, Soft switch and similar telecom products with SS7 signaling interface	SS7 Signaling Protocols 1. MTP-2 2. MTP-3 3. ISUP	ITU-T Q.781, ITU-T Q.782, ITU-T Q.784
54	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Multi Point Conferencing Server	Functions & Features of Multi point Conferencing Server with ISDN BRI protocols	TEC/IR/SW/ICP-102/04/MAR-19
55	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Multi Point Conferencing Server	Functions & Features of Multi point Conferencing Server with ISDN PRI protocol	TEC/IR/SW/ICP-102/04/MAR-19
56	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX	General Functions / Features of PABX 1. Inter/Intra PABX Calls 2. PSTN Connectivity 3. Emergency services 4. Compatibility with existing Networks 5. Fault Localization 6. Operation & Maintenance features 7. Security & logs 8. Performance monitoring 9. Other general functions/ features etc.	TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
57	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX and similar telecom products with MFC-R2 Protocol interface	MFC-R2 Protocol	TEC/GR/LLT-01
58	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX and similar telecom products with DTMF Parameters Set-C (Conformance)	DTMF: Duration negotiation	RFC 4733 Clause 2.3.5 Annex P8 of (TEC/SD/DD/TCP-222/2.9/Aug21)
59	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX and similar telecom products with DTMF Parameters Set-C (Conformance)	DTMF: Negotiation of Payload	RFC 4733 Clause 2.5.1.1 Annex P8 of (TEC/SD/DD/TCP-222/2.9/Aug21)
60	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX and similar telecom products with DTMF Parameters Set-C (Conformance)	DTMF: Transmission of Event Packet	RFC 4733 Clause 2.5.1.2 Annex P8 of (TEC/SD/DD/TCP-222/2.9/Aug21)

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	7 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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61	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX and similar telecom products with DTMF Parameters Set-C (Conformance)	DTMF: Verification of sequence no. and time stamp	RFC 4733 Clause 2.2.1 Annex P8 of (TEC/SD/DD/TCP-222/2.9/Aug 21)
62	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Cross Talk	ITU-T Q.552, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/SW/PBX-104/04/OCT-17
63	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Dial Speed	TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
64	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	DTMF Frequency Measurement	ITU-T Q.23, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
65	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	DTMF Level Measurement	ITU-T Q.23, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
66	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Idle Channel Noise	ITU-T Q.552, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/SW/PBX-104/04/OCT-17
67	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Insulation Resistance	ETSI EN 300 001, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
68	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Inter Digital Pause	TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
69	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Longitudinal Conversion Loss	ITU-T Q.552, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/SW/PBX-104/04/OCT-17
70	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Loop Current	ETSI EN 300 001, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/SW/PBX-104/04/OCT-17
71	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Make Break Ratio	TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	8 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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72	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Return Loss (Analog)	ITU-T Q.552, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
73	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Media Gateway, PON and similar telecom products with IPV4 Parameters (Conformance)	Internet Header Format	RFC 791 Clause 3.1 (Annexure P6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
74	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Media Gateway, PON, IP Security Equipment and similar telecom products with IPV4 Parameters (Conformance)	Model of operation	RFC 791 Clause 2.2 (Annexure P6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
75	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Media Gateway,SBC,PON, Router,LAN switch and similar telecom products with IPV4 Parameters (Conformance)	Addressing	RFC 791 Clause 3.2 (Annexure P6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
76	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON product and similar telecom products with PON interfaces	Line testing	IEEE 802.3ah, IEEE 802.3
77	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON product and similar telecom products with PON interfaces	Optical power	ITU-T G.984.2/G.9807.1/G.989.2/G.987.2/ IEEE 802.3/G.694.1
78	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON product and similar telecom products with PON interfaces	Protocol	G.984.2/G.987.2/G.9807.1/G.989.2/ G.984.3/ G.698.3
79	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON product and similar telecom products with PON interfaces	Receiver Sensitivity	ITU-T G.984.2/G.9807.1/G.989.2/G.987.2/ IEEE 802.3/G.694.1
80	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON product and similar telecom products with PON interfaces	Wavelength (downstream)	ITU-T G.984.2/G.9807.1/G.989.2/G.987.2/ IEEE 802.3/G.694.1
81	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON product and similar telecom products with PON interfaces	Wavelength (upstream)	ITU-T G.984.2/G.9807.1/G.989.2/G.987.2/ IEEE 802.3/G.694.1

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5853 **Page No** 9 of 56

Validity 03/09/2022 to 02/09/2024 **Last Amended on** 04/04/2023

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82	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router	General Functions / Features of Router 1. PSTN Connectivity 2. Data Rates 3. Availability of service 4. O & M 5. Performance reporting	TEC/IR/I/TCP-001/05 MAR 14
83	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router & LAN Switch	Qx Protocol (Functional Test)	Test 6 & 7 Appendix -II Annexure P11 TEC/SD/DD/TCP-222/2.9/Aug 2021
84	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with LDP (Conformance)	Label Request Message- TLV management	RFC5036 Clause 2.8.1 (Appendix I- Table 11 of TEC/SD/DD/TCP-222/2.9/Aug 21)
85	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with LDP (Conformance)	LDP Identifiers and Next Hop Addresses- LDP Database update	RFC5036 Clause 2.7 (Appendix I- Table 11 of TEC/SD/DD/TCP-222/2.9/Aug 21)
86	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with LDP (Conformance)	LDP Identifiers- Unique Label switch router identification.	RFC5036 Clause 2.2.2 (Appendix I- Table 11 of TEC/SD/DD/TCP-222/2.9/Aug 21)
87	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with LDP (Conformance)	Session Initialization- Session validation	RFC5036 Clause 2.5.3(1.c)
88	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with LDP (Conformance)	Transport Connection Establishment- Hello advertisement	RFC5036 Clause 2.5.2 (Appendix I- Table 11 of TEC/SD/DD/TCP-222/2.9/Aug 21)
89	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with MBGP (Conformance)	Error Handling- Attribute error management in MBGP	RFC4760 Clause 7 (Appendix I- Table 10 of TEC/SD/DD/TCP-222/2.9/Aug 21)
90	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with PPPoE	PPPoE Functional test	RFC 2516
91	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with Radius	Radius Functional test	RFC 2865

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	10 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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92	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	Receiving protocol packets – protocol packet identification	RFC2740 Clause 3.2.2 (Appendix I- Table 2 of TEC/SD/DD/TCP-222/2.9/Aug 21)
93	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Events causing interface state changes- BackupSeen	RFC2328 Clause 9.2 (Appendix I-Table 1 of TEC/SD/DD/TCP-222/2.9/Aug 21)
94	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Protocol Packet Processing-Sending/Receiving protocol packets	RFC2328 Clause 8.1 & 8.2 (Appendix I- Table 1 of TEC/SD/DD/TCP-222/2.9/Aug 21)
95	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Receiving protocol packets Area management with the ABRs.	RFC2740 Clause 3.2.2 (Appendix I- Table 2 of TEC/SD/DD/TCP-222/2.9/Aug 21)
96	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Sending Link State Acknowledgment packets LS Update management	RFC2328 Clause 13.5 (Appendix I-Table 1 of TEC/SD/DD/TCP-222/2.9/Aug 21)
97	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	The Flooding Procedure- LS Update management	RFC2328 Clause 13(5b) (Appendix I- Table 1 of TEC/SD/DD/TCP-222/2.9/Aug 21)
98	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	The Flooding Procedure-Required database update identification	RFC2328 Clause 13(5a) (Appendix I- Table 1 of TEC/SD/DD/TCP-222/2.9/Aug 21)
99	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	Router-LSAs protocol packet identification	RFC2740 Clause 3.4.3.1 (Appendix I- Table 2 of TEC/SD/DD/TCP-222/2.9/Aug 21)
100	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	The hello packet Parameter synchronization for session establishment	RFC2740 Clause A.3.2 (Appendix I- Table 2 of TEC/SD/DD/TCP-222/2.9/Aug 21)
101	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	The Neighbor Data Structure-Neighbor's Interface ID	RFC2740 Clause 3.1.3 (Appendix I- Table 2 of TEC/SD/DD/TCP-222/2.9/Aug 21)
102	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar telecom products with BGP4 for IPv4 (Conformance)	BGP Connection Collision Detection- Session management	RFC 4271 Clause 6.8 (Appendix I- Table 9 of TEC/SD/DD/TCP-222/2.9/Aug21)

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Certificate Number	TC-5853	**Page No**	11 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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103	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar telecom products with BGP4 for IPv4 (Conformance)	Message Header Error Handling- Header error detection	RFC 4271 Clause 6.1 (Appendix I- Table 9 of TEC/SD/DD/TCP-222/2.9/Aug21)
104	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar telecom products with BGP4 for IPv4 (Conformance)	Message Header Error Handling- Message Header Rules	RFC 4271 Clause 6.1 (Appendix I- Table 9 of TEC/SD/DD/TCP-222/2.9/Aug21)
105	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar telecom products with BGP4 for IPv4 (Conformance)	UPDATE Message Error Handling- Update error detection	RFC 4271 Clause 6.3 (Appendix I- Table 9 of TEC/SD/DD/TCP-222/2.9/Aug21)
106	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar telecom products with BGP4 for IPv4 (Conformance)	Update-Send Process Managing BGP information	RFC 4271 Clause 9.2 (Appendix I- Table 9 of TEC/SD/DD/TCP-222/2.9/Aug21)
107	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar telecom products with BGP4 for IPv6 (Conformance)	Constructing the Next Hop field BGP packet forwarding	RFC 2545 Clause 3 (Appendix I-Table 8 of TEC/SD/DD/TCP-222/2.9/Aug21)
108	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, IP Security Equipment, PTP Grandmaster Equipment and similar telecom products with IP protocol interface	SNMPv2 and SNMPV3	SNMPv2-RFC 3410, SNMPv3-RFC 3416
109	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Becoming an Advertising Interface Router specification	RFC4861 Clause 6.2.2 (Appendix I- Table 4 of TEC/SD/DD/TCP-222/2.9/Aug 21)
110	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Duplicate Address Detection-Exclude unicast in DAD	RFC4862 Clause 5.4 (Appendix I- Table 5 of TEC/SD/DD/TCP-222/2.9/Aug 21)
111	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Extension Header Order- Ipv6 extension header processing	RFC2460/8200 Clause 4.1 (Appendix I- Table 3 of TEC/SD/DD/TCP-222/2.9/Aug 21)
112	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Message Processing Rules-ICMPv6 packet management	RFC 4443 Clause 2.4 (Appendix I- Table 7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
113	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Message Processing Rules-ICMPv6 packet processing	RFC 4443 Clause 2.4 (Appendix I- Table 7 of TEC/SD/DD/TCP-222/2.9/Aug 21)

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	12 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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114	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Message Source Address Determination -Address management	RFC 4443 Clause 2.2 (Appendix I- Table 7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
115	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Message Source Address Determination- Source address management	RFC 4443 Clause 2.2 (Appendix I- Table 7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
116	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Options- Ipv6 extension header processing	RFC2460/8200 Clause 4.2 (Appendix I- Table 3 of TEC/SD/DD/TCP-222/2.9/Aug 21)
117	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Options- Ipv6 extension header processing action	RFC2460/8200 Clause 4.2 (Appendix I- Table 3 of TEC/SD/DD/TCP-222/2.9/Aug 21)
118	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Options- Ipv6 extension header processing order	RFC2460/8200 Clause 4.2 (Appendix I- Table 3 of TEC/SD/DD/TCP-222/2.9/Aug 21)
119	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Protocol Requirements--Packet fragmentation	RFC 1981 Clause 4 (Appendix I- Table 6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
120	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Routing Header- Ipv6 extension header processing action	RFC2460/8200 Clause 4.4 (Appendix I- Table 3 of TEC/SD/DD/TCP-222/2.9/Aug 21)
121	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Sending Neighbor Solicitation Messages -Duplicate address detection	RFC4862 Clause 5.4.2 (Appendix I- Table 5 of TEC/SD/DD/TCP-222/2.9/Aug 21)
122	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Neighbor Advertisements- Peer validation	RFC4861 Clause 7.1.2 (Appendix I- Table 4 of TEC/SD/DD/TCP-222/2.9/Aug 21)
123	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Neighbor Advertisements- Peer validation	RFC4862/RFC 4861 Clause 5.4/Clause 7.1.2 (Appendix I- Table 5 of TEC/SD/DD/TCP-222/2.9/Aug 21)

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	13 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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124	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Neighbor Solicitations- Reserved field management	RFC4862/RFC 4861 Clause 5.4/Clause 7.1.1 (Appendix I-Table 5 of TEC/SD/DD/TCP-222/2.9/Aug 21)
125	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Neighbor Solicitations- Peer validation	RFC4861 Clause 7.1.1 (Appendix I- Table 4 of TEC/SD/DD/TCP-222/2.9/Aug 21)
126	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Neighbor Solicitations- Peer validation	RFC4862/RFC 4861 Clause 5.4/Clause 7.1.1 (Appendix I-Table 5 of TEC/SD/DD/TCP-222/2.9/Aug 21)
127	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Router Advertisement Messages-Neighborhood discovery router validation	RFC4861 Clause 6.1.2 (Appendix I- Table 4 of TEC/SD/DD/TCP-222/2.9/Aug 21)
128	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Router Solicitation Messages- Neighborhood Router discovery validation	RFC4861 Clause 6.1.1 (Appendix I- Table 4 of TEC/SD/DD/TCP-222/2.9/Aug 21)
129	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, PON, Media Gateway, PABX, SBC, Soft Switch, SIP Terminal, IP Phone, IP conferencing Equipment and similar telecom products with TCP Parameters (Conformance)	Header Format and Sequence Numbers	RFC 793 Annex P4 of (TEC/SD/DD/TCP-222/2.3/Nov 19): 2019 Clause 3.1, 3.3 Clause 1.4,2.3, 3.1
130	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, PON, Media Gateway, PABX, SBC, Soft Switch, SIP Terminal, IP Phone, IP conferencing Equipment and similar telecom products with UDP Parameters (Conformance)	Sequence numbers	RFC 768 Annex P5 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
131	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, PON, Media Gateway, PABX, SBC, Soft Switch, SIP Terminal, IP Phone, IP conferencing Equipment and similar telecom products with UDP Parameters (Conformance)	UDP Format	RFC 768 Annex P5 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
132	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, PON, Media Gateway, PABX, SBC, Soft Switch, SIP Terminal, IP Phone, IP conferencing Equipment and similar telecom products with UDP Parameters (Conformance)	User Terminology	RFC 768 Annex P5 of (TEC/SD/DD/TCP-222/2.3/Nov 19)

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5853
Page No	14 of 56
Validity	03/09/2022 to 02/09/2024
Last Amended on	04/04/2023

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133	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, PON, Media Gateway, PABX, SBC, WiFi AP and Controller, IP Security Equipments and similar telecom products with IP protocol interface	IP Protocols (IPV4, IPV6, TCP, UDP, PPP, PPPoE, HDLC, Static Routing, RIP, OSPF, SIP/SDP, RTP/RTCP, BGP, MEGACO, MGCP (H.248), H.323)	RFC 791, RFC 2460, RFC 4861, RFC 4862, RFC 4443, RFC 1981, RFC 793, RFC 768, RFC 1661, RFC 2516, RFC 4349, RFC 3442, RFC 2453 ,RFC 2328, RFC 3261, RFC 3550, RFC 4271,4760, 2545, TEC/IR/SW/TMG-101/06/NOV-18 , TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
134	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, WiFi AP and Controller and similar telecom products with Dual IP layer operation (Conformance)	Dual IP layer operation: Address Configuration	RFC 4213 Clause 2.1 (Annexure P6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
135	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, WiFi AP and Controller and similar telecom products with Dual IP layer operation (Conformance)	Dual IP layer operation: DNS	RFC 4213 Clause 2.2 (Annexure P6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
136	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, WiFi AP and Controller and similar telecom products with Dual IP layer operation (Conformance)	Dual IP layer operation: Tunneling	RFC 4213 Clause 3 (Annexure P6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
137	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch with SCTP Parameters Set-B	Path Failure Detection	RFC 4960 Clause 8.2 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
138	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch with SCTP Parameters Set-B	Path Management	RFC 4960 Clause 1.5.7 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
139	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch with SCTP Parameters Set-B	Transmission of DATA Chunks	RFC 4960 Clause 6.1 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
140	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch with SCTP Parameters Set-B	User Data Fragmentation	RFC 4960 Clause 1.5.3 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
141	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with IPV4 Parameters Set-B	Gateways	RFC 791 Clause 2.4 Annex P6 of TEC/SD/DD/TCP-222/2.6/September2020

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Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5853
Page No	15 of 56
Validity	03/09/2022 to 02/09/2024
Last Amended on	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
142	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with IPV4 Parameters Set-B	Interfaces	RFC 791 Clause 3.3 Annex P6 of TEC/SD/DD/TCP-222/2.6/September2020
143	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with IPV4 Parameters Set-B	Model of operation	RFC 791 Clause 2.2 Annex P6 of TEC/SD/DD/TCP-222/2.6/September2020
144	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with RTCP Parameters Set-B	RTCP: Port Assignment	RFC 3551 Clause 8 Annex P3 of TEC/SD/DD/TCP-222/2.6/September2020
145	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with RTCP Parameters Set-B	RTCP: Registering Additional Encodings	RFC 3551 Clause 3 Annex P3 of TEC/SD/DD/TCP-222/2.6/September2020
146	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with RTP Parameters Set-C	RTP: Byte Order, Alignment, and Time Format	RFC 3550 Clause 4 Annex P2 of TEC/SD/DD/TCP-222/2.6/September2020
147	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with RTP Parameters Set-C	RTP: Simple Multicast Audio Conference	RFC 3550 Clause 2.1 Annex P2 of TEC/SD/DD/TCP-222/2.6/September2020
148	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with SIP Parameters Set-C	SIP - Max Forwards (Not for SIPS URI)	RFC 3261 Clause 8.1.1.6 Annex P1 of TEC/SD/DD/TCP-222/2.6/September2020
149	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with SIP Parameters Set-C	SIP - Message Body length (Not for SIPS URI)	RFC 3261 Clause 7.4.2 Annex P1 of TEC/SD/DD/TCP-222/2.6/September2020
150	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with SIP Parameters Set-C	SIP - Responses (Not for SIPS URI)	RFC 3261 Clause 7.2 Annex P1 of TEC/SD/DD/TCP-222/2.6/September2020
151	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with TCP Parameters	Header Format and Sequence Numbers	RFC 793 Clause 1.4, 2.3 Annex P4 of TEC/SD/DD/TCP-222/2.6/September2020
152	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTCP Parameters Set-A (Conformance)	RTCP: GSM-EFR	RFC 3551 Clause 4.5.9 Annex P3 of (TEC/SD/DD/TCP-222/2.3/Nov19)

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	16 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
153	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTCP Parameters Set-A (Conformance)	RTCP: Guidelines 1 for sample based audio encodings	RFC 3551 Clause 4.3 Annex P3 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
154	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTCP Parameters Set-A (Conformance)	RTCP: Guidelines 2 for sample based audio encodings	RFC 3551 Clause 4.4 Annex P3 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
155	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTCP Parameters Set-A (Conformance)	RTCP: Port Assignment	RFC 3551 Clause 8 Annex P3 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
156	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTCP Parameters Set-A (Conformance)	RTCP: Registering Additional Encodings	RFC 3551 Clause 3 Annex P3 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
157	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTP Parameters Set-A (Conformance)	RTP: Payload Type	RFC 3550 Clause 5.1 Annex P2 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
158	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTP Parameters Set-A (Conformance)	RTP: Sender report RTCP packet version	RFC 3550 Clause 6.4.1 Annex P2 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
159	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTP Parameters Set-A (Conformance)	RTP: Sequence number	RFC 3550 Clause 5.1 Annex P2 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
160	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTP Parameters Set-A (Conformance)	RTP: SSRC Identification	RFC 3550 Clause 5.1 Annex P2 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
161	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTP Parameters Set-A (Conformance)	RTP: Version and Port	RFC 3550 Clause 5.1 Annex P2 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
162	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with SIP Parameters Set-A (Conformance)	Generating SIP request (To, R-URI, From, Call-ID, CSeq, Max-Forwards, Via)	RFC 3261 Clause 8.1.1, 8.1.1.2 to 8.1.1.7 Annex P1 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
163	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with SIP Parameters Set-A (Conformance)	SIP Creating the initial invite	RFC 3261 Clause 13.2.1 Annex P1 of (TEC/SD/DD/TCP-222/2.3/Nov 19)

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	17 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
164	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with SIP Parameters Set-A (Conformance)	SIP Dialog and Transaction	RFC 3261 Clause 12, 12.1.1, 12.1.2 Annex P1 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
165	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with SIP Parameters Set-A (Conformance)	SIP Header : Message Body Type	RFC 3261 Clause 7.4.1 Annex P1 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
166	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with SIP Parameters Set-A (Conformance)	SIP Terminating a Session with a BYE request.	RFC 3261 Clause 15 Annex P1 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
167	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with SIP Parameters Set-A (Conformance)	User Authentication	RFC 3261 Clause 21 Annex P1 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
168	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: Flow Label	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
169	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	IPv6 Extension Header Hop By Hop Options	RFC 2460/ 8200 Clause 4.3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
170	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: Hop Limit	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
171	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: No next header after IPv6 Header	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
172	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: Payload Length	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
173	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: Source and Destination Address	RFC 2460/ 8200 Clause3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
174	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: Traffic Class	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	18 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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175	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: Version Field	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
176	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	IPv6 Extension Header Options	RFC 2460/ 8200 Clause4.2 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
177	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	IPv6 Extension Header Order	RFC 2460/ 8200 Clause4.1 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
178	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	IPv6 Extension Header Routing	RFC 2460/ 8200 Clause 4.4 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
179	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment and similar products with digital and analog interfaces	Group Delay	ITU-T Q.552, TEC/IR/NGS/2MB-001/03 DEC.14, TEC/IR/SW/PBX-104/04/OCT-17
180	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment and similar products with digital and analog interfaces	Total Distortion	ITU-T Q.552, TEC/IR/SW/PBX-104/04/OCT-17, TEC/IR/NGS/2MB-001/03 DEC.14
181	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment and similar products with digital and analog interfaces	Transmission Loss	ITU-T Q.552, TEC/IR/NGS/2MB-001/03 DEC.14, TEC/IR/SW/PBX-104/04/OCT-17
182	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment and similar products with digital and analog interfaces	Weighted Noise	ITU-T Q.552, TEC/IR/SW/PBX-104/04/OCT-17, TEC/IR/NGS/2MB-001/03 DEC.14
183	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment and similar telecom products with ISDN BRI interface	ISDN BRI Protocol	ITU-T Q.931
184	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment and similar telecom products with ISDN PRI interface	ISDN PRI protocol	ITU-T Q.931

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	19 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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185	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment, PON ONT and similar telecom products with 2 wire analog interface	AC Current	ETSI EN 300 001, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/TX/PST-01/02.MAR 2015
186	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment, PON ONT and similar telecom products with 2 wire analog interface	AC Voltage	ETSI EN 300 001, TEC/IR/TX/PST-01/02.MAR 2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
187	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment, PON ONT and similar telecom products with 2 wire analog interface	DC Current	ETSI EN 300 001, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/TX/PST-01/02.MAR 2015
188	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment, PON ONT and similar telecom products with 2 wire analog interface	DC Voltage	ETSI EN 300 001, TEC/IR/TX/PST-01/02.MAR 2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
189	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment, PON ONT and similar telecom products with 2 wire analog interface	Flash	ETSI EN 300 001, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/TX/PST-01/02.MAR 2015
190	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment, PON ONT and similar telecom products with 2 wire analog interface	Resistance	ETSI EN 300 001/ETSI TBR-21, TEC/IR/TX/PST-01/02.MAR 2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
191	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Bit Error Rate (STM-1 optical)	ITU-T G.826, ITU-T G.828
192	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Bit Rate / Clock Frequency with accuracy (STM-1 optical)	ITU-T G.957/ ITU-T G.707
193	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Extinction Ratio (STM-1 optical)	ITU-T G.957

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	20 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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194	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Eye Pattern Mask (STM-1Optical)	ITU-T G.957
195	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Jitter/Wander Tolerance (STM-1 optical)	ITU-T G.825, ITU-T G.783
196	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Mean Launch Power (STM-1 optical)	ITU-T G.957
197	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Operating Wavelength (STM-1 optical)	ITU-T G.957
198	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Output Jitter/Wander (STM-1 optical)	ITU-T G.825, ITU-T G.783
199	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Receiver Reflectance (STM-1 optical)	ITU-T G.957
200	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Receiver Sensitivity (STM-1 optical)	ITU-T G.957
201	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Side Mode Suppression Ratio (STM-1 optical)	ITU-T G.957
202	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Spectral Width (-20dB) (STM-1 optical)	ITU-T G.957
203	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Spectral Width (RMS) (STM-1 optical)	ITU-T G.957
204	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 Mbps (STM-16 optical) interface	Bit Error Rate (STM-16 optical)	ITU-T G.826, ITU-T G.828

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	21 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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205	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Extinction Ratio (STM-16 optical)	ITU-T G.957
206	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Eye Pattern Mask (STM-16 optical)	ITU-T G.957
207	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Jitter/Wander Tolerance (STM-16 optical)	ITU-T G.825, ITU-T G.783
208	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Mean Launch Power (STM-16 optical)	ITU-T G.957
209	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Operating Wavelength (STM-16 optical)	ITU-T G.957
210	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Output Jitter/Wander (STM-16 optical)	ITU-T G.825, ITU-T G.783
211	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Receiver Reflectance (STM-16 optical)	ITU-T G.957
212	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Receiver Sensitivity (STM-16 optical)	ITU-T G.957
213	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Side Mode Suppression Ratio (STM-16 optical)	ITU-T G.957
214	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Spectral Width (-20dB) (STM-16 optical)	ITU-T G.957
215	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Spectral Width (RMS) (STM-16 optical)	ITU-T G.957

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	22 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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216	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488mbps (STM-16 optical) interface	Bit Rate / Clock Frequency with accuracy (STM-16 optical)	ITU-T G.957/ ITU-T G.707
217	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Bit Error Rate (STM-4 optical)	ITU-T G.826, ITU-T G.828
218	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Bit Rate / Clock Frequency with accuracy (STM-4 optical)	ITU-T G.957/ ITU-T G.707
219	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Extinction Ratio (STM-4 optical)	ITU-T G.957
220	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Eye Pattern Mask (STM-4 optical)	ITU-T G.957
221	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Jitter/Wander Tolerance (STM-4 optical)	ITU-T G.825, ITU-T G.783
222	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Mean Launch Power (STM-4 optical)	ITU-T G.957
223	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Operating Wavelength (STM-4 optical)	ITU-T G.957
224	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Output Jitter/Wander (STM-4 optical)	ITU-T G.825, ITU-T G.783
225	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Receiver Reflectance (STM-4 optical)	ITU-T G.957
226	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Receiver Sensitivity (STM-4 optical)	ITU-T G.957

SCOPE OF ACCREDITATION

Laboratory Name : COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5853 **Page No** 23 of 56

Validity 03/09/2022 to 02/09/2024 **Last Amended on** 04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
227	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Side Mode Suppression Ratio (STM-4 optical)	ITU-T G.957
228	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Spectral Width (-20dB) (STM-4 optical)	ITU-T G.957
229	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Spectral Width (RMS) (STM-4 optical)	ITU-T G.957
230	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with G.957 interface	Multiplexing structure & Mapping (STM-1 optical to STM-16 optical)	ITU-T G.707
231	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with G.957 optical interface	Optical Return Loss	ITU-T G.957
232	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with SDH interfaces	Receiver Overload	ITU-T G.957/ITU-T G.691
233	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with STM-64 Optical Interface	Bit Rate / Clock Frequency with accuracy (STM-64 optical)	ITU-T G.707
234	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with STM-64 Optical Interface	Jitter/Wander Tolerance (STM-64 optical)	ITU-T G.783, ITU-T G.825
235	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with STM-64 Optical Interface	Mean Launch Power (STM-64 optical)	ITU-T G.691
236	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with STM-64 Optical Interface	Operating Wavelength (STM-64 optical)	ITU-T G.691
237	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with STM-64 Optical Interface	Output Jitter/Wander (STM-64 optical)	ITU-T G.783, ITU-T G.825

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	24 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
238	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with STM-64 Optical Interface	Receiver Sensitivity (STM-64 optical)	ITU-T G.691
239	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar products with 2048 kbps (E1) interface	Pulse Shape /Characteristics (E1/2048 Kbps/ PRI) (for Width)	ITU-T G.703
240	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar products with STM-1 electrical interface	Bit Rate Tolerance	ITU-T G.703
241	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar products with STM-1 electrical interface	Input Jitter Tolerance	ITU-T G.825
242	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar products with STM-1 electrical interface	Input Return Loss	G.703
243	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar products with STM-1 electrical interface	Output Jitter /Wander	ITU-T G.825
244	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar products with STM-1 electrical interface	Pulse Mask	ITU-T G.703
245	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Bit Error Rate (E1/2048 Kbps)	ITU-T G.821, ITU-T G.826
246	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Bit Slip (E1/2048 Kbps)	ITU-T G.822
247	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Clock frequency / Bit Rate with accuracy (E1/2048 Kbps)	ITU-T G.703
248	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Jitter/Wander Tolerance (E1/2048 Kbps)	ITU-T G.823, ITU-T G.732

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	25 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
249	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Output Jitter/Wander (E1/2048 Kbps)	ITU-T G.823, ITU-T G.732
250	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Pulse Shape /Characteristics (E1/2048 Kbps) (for amplitude)	ITU-T G.703
251	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Return Loss (E1/2048 Kbps)	ITU-T G.703
252	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Wander Measurement / Time Interval Error (E1/2048 Kbps)	ITU-T G.823
253	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Bit Error Rate (E3/34368 Kbps)	ITU-T G.821, ITU-T G.826
254	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Clock frequency / Bit Rate with accuracy (E3/34368 Kbps)	ITU-T G.703
255	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Clock frequency / Nominal Bit Rate with accuracy (DS3/45 Mbps)	ITU-T G.703
256	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Jitter/Wander Tolerance (E3/34368 Kbps)	ITU-T G.823, ITU-T G.751
257	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Output Jitter/Wander (E3/34368 Kbps)	ITU-T G.823, ITU-T G.732, ITU-T G.751
258	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Pulse Shape / Characteristics (E3/34368 Kbps) (for amplitude)	ITU-T G.703
259	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Pulse Shape / Characteristics (E3/34368 Kbps) (for width)	ITU-T G.703

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	26 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
260	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Return Loss (E3/34368 Kbps)	ITU-T G.703
261	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 45 Mbps (DS3) interface	DC Power	ITU-T G.703
262	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 45 Mbps (DS3) interface	Jitter/Wander Tolerance (DS3/45 Mbps)	ITU-T G.824
263	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 45 Mbps (DS3) interface	Output Jitter/Wander (DS3/45 Mbps)	ITU-T G.824
264	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 45 Mbps (DS3) interface	Pulse Shape /Characteristics (DS3/45 Mbps) (for amplitude) - Width - Amplitude - Mask - Time	ITU-T G.703
265	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 45 Mbps (DS3) interface	Pulse Shape /Characteristics (DS3/45 Mbps) (for width) - Width - Amplitude - Mask - Time	ITU-T G.703
266	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 8Mbps (E2) interface	Input Jitter tolerance	ITU-T G.823
267	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 8Mbps (E2) interface	Input return loss	ITU-T G.703
268	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 8Mbps (E2) interface	Nominal Bit rate with tolerance	ITU-T G.703
269	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 8Mbps (E2) interface	Output Jitter	ITU-T G.823
270	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 8Mbps (E2) interface	Pulse Mask	ITU-T G.703

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	27 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
271	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch WiFi AP and Controller and similar telecom products with IP protocol interface (Functional)	DTMF DHCP ICMPV4 ARP SCTP RTCP	RFC 4733 RFC 2131 RFC 792 RFC 826 RFC 2960/RFC 4960 RFC 3551
272	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Ethernet Electrical interfaces	Auto Negotiation	IEEE 802.3
273	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Ethernet Electrical interfaces	Duplex (Full or half)	IEEE 802.3
274	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Ethernet Electrical interfaces	Frame Loss	IEEE 802.3/RFC 2544
275	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Ethernet Electrical interfaces	Latency	IEEE 802.3/RFC 2544
276	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Ethernet Electrical interfaces	Link speed test	IEEE 802.3
277	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Ethernet Electrical interfaces	Throughput	IEEE 802.3/RFC 2544, G.984.1, G.987.1, G.9807.1, G.989.2 G.
278	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Optical Ethernet Interfaces	Operating Wavelength	IEEE 802.3
279	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Optical Ethernet Interfaces	Optical Output Power	IEEE 802.3
280	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Optical Ethernet Interfaces	Receiver Sensitivity	IEEE 802.3
281	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Central Frequency	ITU-T G.959.1/ ITU-T G.693/ITU-T G.695

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	28 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
282	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Jitter Tolerance	ITU-T G.8251
283	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Mean Total Input power	ITU-T G.959.1/ ITU-T G.693/ITU-T G.695
284	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Mean total Output Power	ITU-T G.959.1/ ITU-T G.693/ ITU-T G.695
285	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Nominal Bit Rate	G.709
286	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Output Jitter	ITU-T G.8251
287	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Receiver Overload	ITU-T G.959.1/ ITU-T G.693/ ITU-T G.695
288	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Receiver Sensitivity	ITU-T G.959.1/ ITU-T G.693/ ITU-T G.695
289	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Video Conferencing Equipment	Functions / Features of Video Conferencing Equipment with ISDN BRI interface - PSTN Connectivity - Video/Audio - Conference Control - Connection Rate - Availability of Service	TEC/IR/SW/ICP-102/04/MAR-19

SCOPE OF ACCREDITATION

Laboratory Name : COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5853 **Page No** 29 of 56

Validity 03/09/2022 to 02/09/2024 **Last Amended on** 04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Site Facility				
1	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Cloud Control Capable Router	ISIS Functional Test	RFC 1142/1195
2	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Cloud Control Capable Router	Netconf/YANG Functional Test	RFC 6241/6020
3	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Condenser Click	Condenser Click/Bell Capacitance	ETSI EN 300 001
4	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Digital Switch	General Functions / Features of Digital Switch 1. PSTN Connectivity & compatibility 2. Voice/Data functions 3. Performance Reporting 4. O & M features	TEC/IR/NGS/2MB-001/03 DEC.14
5	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	DWDM product	Channel Spacing	ITU-T G.694.1
6	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	1)Maximum bandwidth limiting 2) Minimum guaranteed bandwidth 3) Minimum two classes of classification	ITU-T-REC-G.984.3-200803 Section 7.5, IEEE 802.3ah, G.987.2, G.9807.1, G.694.1, G.989.2
7	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	1)Port id based VLAN shall be supported at OLT 2)VLAN stacking towards the network at OLT shall be supported	G.984.1/ IEEE 802.1Q (testing procedure)- , IEEE 802.3ah, G.987.2, G.9807.1, G.694.1, G.989.2
8	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	1)Switch fabric in OLT shall be able to handle full wired speed throughputs. 2) MAC learning shall be supported at OLT 3)The operator shall be able to enable/disable MAC address learning function and configure the MAC address learning aging time	G.984.1/ IEEE 802.1Q(testing procedure), IEEE 802.3ah, G.987.2, G.9807.1, G.694.1, G.989.2
9	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	DOS prevention, SSH v1/2 for CLI	ITU-T G.984.3 section V.2, SSH v2- RFC 4251

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	30 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
10	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	MAC address limitation per-ONT	IEEE 802.3
11	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	Support of 802.1x authenticator functionality (MAC based)	IEEE 802.1x
12	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	User name and password-based authentication	ITU-T G.984.3 section 9.2.2 ITU-T G.984.3 section 12, IEEE 802.3ah, G.987.2, G.9807.1, G.694.1, G.989.2
13	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Group Audio Terminal	Functions / Features of Group Audio Terminal - PSTN Connectivity - Availability of Service	TEC/IR/TX/PST-01/02.MAR 2015
14	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Infiniband Switch	Subnet Manager	IBTA Architecture Specification RLC 1.5 as per ER No. TEMP16149456783 55Test No 19 of TEC/SD/DD/TCP-222/2.4 May 2020
15	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway	IPv6 Packet Size Issue	RFC 8200 Clause 5 Annexure P7 TEC/SD/DD/TCP-222/2.9/Aug 2021
16	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway	Each individual gateway shall have a unique “Media Access Control Address” (MAC address) mentioned in the label attached to it, by which it shall be uniquely identified within the network	As per TEC ER of IoT Gateway
17	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway with IPV6 Packet Size Issues parameter	IPV6 Packet Size Issues	RFC 8200 Clause 5 Annex P7 of TEC/SD/DD/TCP-222/2.7/May2021
18	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	Dual IP layer operation: Decapsulation	RFC 4213 Clause 3.6 Annex P6 of TEC/SD/DD/TCP-222/2.7/May2021
19	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	Dual IP layer operation: Link Local Address	RFC 4213 Clause 3.7 Annex P6 of TEC/SD/DD/TCP-222/2.7/May2021

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	31 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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20	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	Dual IP layer operation: Tunnelling	RFC 4213 Clause 3.2.1 Annex P6 of TEC/SD/DD/TCP-222/2.7/May2021
21	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	Dual IP layer operational: Decapsulation	RFC 4213 Clause 3.6 Annexure P6 TEC/SD/DD/TCP-222/2.9/Aug 2021
22	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	Dual IP layer operational: Link Local Address	RFC 4213 Clause 3.7 Annexure P6 TEC/SD/DD/TCP-222/2.9/Aug 2021
23	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	IPV6 Extn. Header Fragment Header	RFC 8200 Clause 4.5 Annex P7 of TEC/SD/DD/TCP-222/2.7/May2021
24	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Feedback device, Smart Electricity meter, Tracking device, Smart camera, Smart Watch	IPV6 Extn. Header Fragment Header	RFC 8200 Clause 4.5 Annexure P7 TEC/SD/DD/TCP-222/2.9/Aug 2021:
25	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway, Tracking Device, Smart Watch and Smart Camera with Non-0 IMEI or MEID or Unique MAC	Non-0 IMEI or MEID or Unique MAC	Annex M of TEC/SD/DD/TCP-222/2.6/September2020
26	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment and similar telecom products with NAT features	NAT Functional Test	Test no 20 of TEC/SD/DD/TCP-222/2.4 May 2020
27	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment (Conformance)	IDS Functional Test	Test No. 20,21 Appendix -II of Annexure P11 of TEC/SD/DD/TCP-222/2.9/Aug 2021:
28	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment (Conformance)	IPS Functional Test	Test No. 22,23 Appendix -II of Annexure P11 of TEC/SD/DD/TCP-222/2.9/Aug 2021:
29	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment (Conformance)	UTM URL Content & Anti Virus Filtering	Test No. 24,25,26 Appendix -II of Annexure P11 of (TEC/SD/DD/TCP-222/2.9/Aug 2021
30	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment and similar telecom products with IP Sec Feature	IPSec Functional Test	Test No 19 of TEC/SD/DD/TCP-222/2.4 May 2020

SCOPE OF ACCREDITATION

Laboratory Name : COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5853 **Page No** 32 of 56

Validity 03/09/2022 to 02/09/2024 **Last Amended on** 04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
31	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment and similar telecom products with policy function	Policy Functional Test	Test No 22 of TEC/SD/DD/TCP-222/2.4 May 2020
32	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment with NAT functional test	Test Source NAT NAT64 related feature	Test no 18 of TEC/SD/DD/TCP-222/2.6/September2020
33	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	LAN switch and similar telecom products with Layer-2 Protocols	Spanning Tree Protocol	IEEE 802.1d
34	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	LAN switch and similar telecom products with Layer-2 Protocols	Link Layer discovery protocol (LLDP)	IEEE 802.1ab
35	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	LAN switch and similar telecom products with Layer-2 Protocols	MAC Learning and Packet Forwarding	IEEE 802.1d
36	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway	Functions / Features of Media Gateway - PSTN Connectivity - Voice/Data functions - Compatibility with other networks - Performance Reporting - Operation & Maintenance	TEC/IR/SW/TMG-101/06/NOV-18
37	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and Signaling Gateway with SCTP Parameters Set-A	Chunk field descriptions	RFC 4960 Clause 3.2 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
38	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and Signaling Gateway with SCTP Parameters Set-A	Optional/variable-length parameters format	RFC 4960 Clause 3.2.1 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
39	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and Signaling Gateway with SCTP Parameters Set-A	Reporting of unrecognized parameters	RFC 4960 Clause 3.2.2 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
40	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and Signaling Gateway with SCTP Parameters Set-A	SCTP association state diagram	RFC 4960 Clause 4 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	33 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
41	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and Signaling Gateway with SCTP Parameters Set-A	SCTP common header field descriptions	RFC 4960 Clause 3.1 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
42	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and Signaling Gateway with SCTP Parameters Set-A	SCTP packet Format	RFC 4960 Clause 3 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
43	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and similar telecom products with DTMF Parameters Set-A (Conformance)	Payload Format	RFC 4733 Clause 2.3 Annex P8 of (TEC/SD/DD/TCP-222/2.4/May 2020
44	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and similar telecom products with DTMF Parameters Set-A (Conformance)	Use of RTP header fields	RFC 4733 Clause 2.2 of Annex P8 of TEC/SD/DD/TCP-222/2.4 May 2020
45	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway and similar telecom products with DTMF Parameters Set-A- (Conformance)	RTP payload format for named telephones events	RFC 4733 Clause 2 Annex P8 of TEC/SD/DD/TCP-222/2.4 May 2020
46	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with DTMF Parameters Set-A	Payload Format	RFC 4733 Clause 2.3 Annex P8 of TEC/SD/DD/TCP-222/2.6/September2020
47	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with DTMF Parameters Set-A	RTP payload format for named telephones events	RFC 4733 Clause 2 Annex P8 of TEC/SD/DD/TCP-222/2.6/September2020
48	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with DTMF Parameters Set-A	Use of RTP header fields	RFC 4733 Clause 2.2 Annex P8 of TEC/SD/DD/TCP-222/2.6/September2020
49	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with RTP Parameters Set-B	RTP: Payload Type	RFC 3550 Clause 5.1 Annex P2 of TEC/SD/DD/TCP-222/2.6/September2020
50	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with RTP Parameters Set-B	RTP: Sender report RTCP packet version	RFC 3550 Clause 6.4.1 Annex P2 of TEC/SD/DD/TCP-222/2.6/September2020
51	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with RTP Parameters Set-B	RTP: Sequence number	RFC 3550 Clause 5.1 Annex P2 of TEC/SD/DD/TCP-222/2.6/September2020

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5853
Page No	34 of 56
Validity	03/09/2022 to 02/09/2024
Last Amended on	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
52	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway with RTP Parameters Set-B	RTP: Version and Port	RFC 3550 Clause 5.1 Annex P2 of TEC/SD/DD/TCP-222/2.6/September2020
53	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Media Gateway, Soft switch and similar telecom products with SS7 signaling interface	SS7 Signaling Protocols 1. MTP-2 2. MTP-3 3. ISUP	ITU-T Q.781, ITU-T Q.782, ITU-T Q.784
54	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Multi Point Conferencing Server	Functions & Features of Multi point Conferencing Server with ISDN BRI protocols	TEC/IR/SW/ICP-102/04/MAR-19
55	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Multi Point Conferencing Server	Functions & Features of Multi point Conferencing Server with ISDN PRI protocol	TEC/IR/SW/ICP-102/04/MAR-19
56	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX	General Functions / Features of PABX 1. Inter/Intra PABX Calls 2. PSTN Connectivity 3. Emergency services 4. Compatibility with existing Networks 5. Fault Localization 6. Operation & Maintenance features 7. Security & logs 8. Performance monitoring 9. Other general functions/ features etc.	TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
57	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX and similar telecom products with MFC-R2 Protocol interface	MFC-R2 Protocol	TEC/GR/LLT-01
58	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX and similar telecom products with DTMF Parameters Set-C (Conformance)	DTMF: Duration negotiation	RFC 4733 Clause 2.3.5 Annex P8 of (TEC/SD/DD/TCP-222/2.9/Aug21)
59	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX and similar telecom products with DTMF Parameters Set-C (Conformance)	DTMF: Negotiation of Payload	RFC 4733 Clause 2.5.1.1 Annex P8 of (TEC/SD/DD/TCP-222/2.9/Aug21)
60	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX and similar telecom products with DTMF Parameters Set-C (Conformance)	DTMF: Transmission of Event Packet	RFC 4733 Clause 2.5.1.2 Annex P8 of (TEC/SD/DD/TCP-222/2.9/Aug21)

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	35 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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61	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX and similar telecom products with DTMF Parameters Set-C (Conformance)	DTMF: Verification of sequence no. and time stamp	RFC 4733 Clause 2.2.1 Annex P8 of (TEC/SD/DD/TCP-222/2.9/Aug 21)
62	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Cross Talk	ITU-T Q.552, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/SW/PBX-104/04/OCT-17
63	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Dial Speed	TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
64	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	DTMF Frequency Measurement	ITU-T Q.23, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
65	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	DTMF Level Measurement	ITU-T Q.23, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
66	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Idle Channel Noise	ITU-T Q.552, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/SW/PBX-104/04/OCT-17
67	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Insulation Resistance	ETSI EN 300 001, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
68	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Inter Digital Pause	TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
69	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Longitudinal Conversion Loss	ITU-T Q.552, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/SW/PBX-104/04/OCT-17
70	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Loop Current	ETSI EN 300 001, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/SW/PBX-104/04/OCT-17
71	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Make Break Ratio	TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	36 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
72	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Group Audio Terminal and other products with 2 wire analog interface	Return Loss (Analog)	ITU-T Q.552, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
73	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Media Gateway, PON and similar telecom products with IPV4 Parameters (Conformance)	Internet Header Format	RFC 791 Clause 3.1 (Annexure P6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
74	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Media Gateway, PON, IP Security Equipment and similar telecom products with IPV4 Parameters (Conformance)	Model of operation	RFC 791 Clause 2.2 (Annexure P6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
75	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX, Media Gateway,SBC,PON, Router,LAN switch and similar telecom products with IPV4 Parameters (Conformance)	Addressing	RFC 791 Clause 3.2 (Annexure P6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
76	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON product and similar telecom products with PON interfaces	Line testing	IEEE 802.3ah, IEEE 802.3
77	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON product and similar telecom products with PON interfaces	Optical power	ITU-T G.984.2/G.9807.1/G.989.2/G.987.2/ IEEE 802.3/G.694.1
78	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON product and similar telecom products with PON interfaces	Protocol	G.984.2/G.987.2/G.9807.1/G.989.2/ G.984.3/ G.698.3
79	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON product and similar telecom products with PON interfaces	Receiver Sensitivity	ITU-T G.984.2/G.9807.1/G.989.2/G.987.2/ IEEE 802.3/G.694.1
80	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON product and similar telecom products with PON interfaces	Wavelength (downstream)	ITU-T G.984.2/G.9807.1/G.989.2/G.987.2/ IEEE 802.3/G.694.1
81	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON product and similar telecom products with PON interfaces	Wavelength (upstream)	ITU-T G.984.2/G.9807.1/G.989.2/G.987.2/ IEEE 802.3/G.694.1

SCOPE OF ACCREDITATION

Laboratory Name : COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5853 **Page No** 37 of 56

Validity 03/09/2022 to 02/09/2024 **Last Amended on** 04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
82	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router	General Functions / Features of Router 1. PSTN Connectivity 2. Data Rates 3. Availability of service 4. O & M 5. Performance reporting	TEC/IR/I/TCP-001/05 MAR 14
83	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router & LAN Switch	Qx Protocol (Functional Test)	Test 6 & 7 Appendix -II Annexure P11 TEC/SD/DD/TCP-222/2.9/Aug 2021
84	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with LDP (Conformance)	Label Request Message- TLV management	RFC5036 Clause 2.8.1 (Appendix I- Table 11 of TEC/SD/DD/TCP-222/2.9/Aug 21)
85	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with LDP (Conformance)	LDP Identifiers and Next Hop Addresses- LDP Database update	RFC5036 Clause 2.7 (Appendix I- Table 11 of TEC/SD/DD/TCP-222/2.9/Aug 21)
86	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with LDP (Conformance)	LDP Identifiers- Unique Label switch router identification.	RFC5036 Clause 2.2.2 (Appendix I- Table 11 of TEC/SD/DD/TCP-222/2.9/Aug 21)
87	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with LDP (Conformance)	Session Initialization- Session validation	RFC5036 Clause 2.5.3(1.c)
88	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with LDP (Conformance)	Transport Connection Establishment- Hello advertisement	RFC5036 Clause 2.5.2 (Appendix I- Table 11 of TEC/SD/DD/TCP-222/2.9/Aug 21)
89	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with MBGP (Conformance)	Error Handling- Attribute error management in MBGP	RFC4760 Clause 7 (Appendix I- Table 10 of TEC/SD/DD/TCP-222/2.9/Aug 21)
90	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with PPPoE	PPPoE Functional test	RFC 2516
91	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with Radius	Radius Functional test	RFC 2865

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	38 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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92	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	Receiving protocol packets – protocol packet identification	RFC2740 Clause 3.2.2 (Appendix I- Table 2 of TEC/SD/DD/TCP-222/2.9/Aug 21)
93	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Events causing interface state changes- BackupSeen	RFC2328 Clause 9.2 (Appendix I-Table 1 of TEC/SD/DD/TCP-222/2.9/Aug 21)
94	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Protocol Packet Processing-Sending/Receiving protocol packets	RFC2328 Clause 8.1 & 8.2 (Appendix I- Table 1 of TEC/SD/DD/TCP-222/2.9/Aug 21)
95	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Receiving protocol packets Area management with the ABRs.	RFC2740 Clause 3.2.2 (Appendix I- Table 2 of TEC/SD/DD/TCP-222/2.9/Aug 21)
96	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Sending Link State Acknowledgment packets LS Update management	RFC2328 Clause 13.5 (Appendix I-Table 1 of TEC/SD/DD/TCP-222/2.9/Aug 21)
97	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	The Flooding Procedure- LS Update management	RFC2328 Clause 13(5b) (Appendix I- Table 1 of TEC/SD/DD/TCP-222/2.9/Aug 21)
98	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	The Flooding Procedure-Required database update identification	RFC2328 Clause 13(5a) (Appendix I- Table 1 of TEC/SD/DD/TCP-222/2.9/Aug 21)
99	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	Router-LSAs protocol packet identification	RFC2740 Clause 3.4.3.1 (Appendix I- Table 2 of TEC/SD/DD/TCP-222/2.9/Aug 21)
100	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	The hello packet Parameter synchronization for session establishment	RFC2740 Clause A.3.2 (Appendix I- Table 2 of TEC/SD/DD/TCP-222/2.9/Aug 21)
101	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	The Neighbor Data Structure-Neighbor's Interface ID	RFC2740 Clause 3.1.3 (Appendix I- Table 2 of TEC/SD/DD/TCP-222/2.9/Aug 21)
102	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar telecom products with BGP4 for IPv4 (Conformance)	BGP Connection Collision Detection- Session management	RFC 4271 Clause 6.8 (Appendix I- Table 9 of TEC/SD/DD/TCP-222/2.9/Aug21)

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	39 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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103	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar telecom products with BGP4 for IPv4 (Conformance)	Message Header Error Handling- Header error detection	RFC 4271 Clause 6.1 (Appendix I- Table 9 of TEC/SD/DD/TCP-222/2.9/Aug21)
104	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar telecom products with BGP4 for IPv4 (Conformance)	Message Header Error Handling- Message Header Rules	RFC 4271 Clause 6.1 (Appendix I- Table 9 of TEC/SD/DD/TCP-222/2.9/Aug21)
105	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar telecom products with BGP4 for IPv4 (Conformance)	UPDATE Message Error Handling- Update error detection	RFC 4271 Clause 6.3 (Appendix I- Table 9 of TEC/SD/DD/TCP-222/2.9/Aug21)
106	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar telecom products with BGP4 for IPv4 (Conformance)	Update-Send Process Managing BGP information	RFC 4271 Clause 9.2 (Appendix I- Table 9 of TEC/SD/DD/TCP-222/2.9/Aug21)
107	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar telecom products with BGP4 for IPv6 (Conformance)	Constructing the Next Hop field BGP packet forwarding	RFC 2545 Clause 3 (Appendix I-Table 8 of TEC/SD/DD/TCP-222/2.9/Aug21)
108	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, IP Security Equipment, PTP Grandmaster Equipment and similar telecom products with IP protocol interface	SNMPv2 and SNMPV3	SNMPv2-RFC 3410, SNMPv3-RFC 3416
109	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Becoming an Advertising Interface Router specification	RFC4861 Clause 6.2.2 (Appendix I- Table 4 of TEC/SD/DD/TCP-222/2.9/Aug 21)
110	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Duplicate Address Detection-Exclude unicast in DAD	RFC4862 Clause 5.4 (Appendix I- Table 5 of TEC/SD/DD/TCP-222/2.9/Aug 21)
111	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Extension Header Order- Ipv6 extension header processing	RFC2460/8200 Clause 4.1 (Appendix I- Table 3 of TEC/SD/DD/TCP-222/2.9/Aug 21)
112	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Message Processing Rules-ICMPv6 packet management	RFC 4443 Clause 2.4 (Appendix I- Table 7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
113	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Message Processing Rules-ICMPv6 packet processing	RFC 4443 Clause 2.4 (Appendix I- Table 7 of TEC/SD/DD/TCP-222/2.9/Aug 21)

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5853 **Page No** 40 of 56

Validity 03/09/2022 to 02/09/2024 **Last Amended on** 04/04/2023

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114	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Message Source Address Determination -Address management	RFC 4443 Clause 2.2 (Appendix I- Table 7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
115	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Message Source Address Determination- Source address management	RFC 4443 Clause 2.2 (Appendix I- Table 7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
116	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Options- Ipv6 extension header processing	RFC2460/8200 Clause 4.2 (Appendix I- Table 3 of TEC/SD/DD/TCP-222/2.9/Aug 21)
117	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Options- Ipv6 extension header processing action	RFC2460/8200 Clause 4.2 (Appendix I- Table 3 of TEC/SD/DD/TCP-222/2.9/Aug 21)
118	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Options- Ipv6 extension header processing order	RFC2460/8200 Clause 4.2 (Appendix I- Table 3 of TEC/SD/DD/TCP-222/2.9/Aug 21)
119	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Protocol Requirements--Packet fragmentation	RFC 1981 Clause 4 (Appendix I- Table 6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
120	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Routing Header- Ipv6 extension header processing action	RFC2460/8200 Clause 4.4 (Appendix I- Table 3 of TEC/SD/DD/TCP-222/2.9/Aug 21)
121	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Sending Neighbor Solicitation Messages -Duplicate address detection	RFC4862 Clause 5.4.2 (Appendix I- Table 5 of TEC/SD/DD/TCP-222/2.9/Aug 21)
122	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Neighbor Advertisements- Peer validation	RFC4861 Clause 7.1.2 (Appendix I- Table 4 of TEC/SD/DD/TCP-222/2.9/Aug 21)
123	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Neighbor Advertisements- Peer validation	RFC4862/RFC 4861 Clause 5.4/Clause 7.1.2 (Appendix I- Table 5 of TEC/SD/DD/TCP-222/2.9/Aug 21)

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	41 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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124	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Neighbor Solicitations- Reserved field management	RFC4862/RFC 4861 Clause 5.4/Clause 7.1.1 (Appendix I-Table 5 of TEC/SD/DD/TCP-222/2.9/Aug 21)
125	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Neighbor Solicitations- Peer validation	RFC4861 Clause 7.1.1 (Appendix I- Table 4 of TEC/SD/DD/TCP-222/2.9/Aug 21)
126	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Neighbor Solicitations- Peer validation	RFC4862/RFC 4861 Clause 5.4/Clause 7.1.1 (Appendix I-Table 5 of TEC/SD/DD/TCP-222/2.9/Aug 21)
127	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Router Advertisement Messages-Neighborhood discovery router validation	RFC4861 Clause 6.1.2 (Appendix I- Table 4 of TEC/SD/DD/TCP-222/2.9/Aug 21)
128	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Validation of Router Solicitation Messages- Neighborhood Router discovery validation	RFC4861 Clause 6.1.1 (Appendix I- Table 4 of TEC/SD/DD/TCP-222/2.9/Aug 21)
129	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, PON, Media Gateway, PABX, SBC, Soft Switch, SIP Terminal, IP Phone, IP conferencing Equipment and similar telecom products with TCP Parameters (Conformance)	Header Format and Sequence Numbers	RFC 793 Annex P4 of (TEC/SD/DD/TCP-222/2.3/Nov 19): 2019 Clause 3.1, 3.3 Clause 1.4,2.3, 3.1
130	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, PON, Media Gateway, PABX, SBC, Soft Switch, SIP Terminal, IP Phone, IP conferencing Equipment and similar telecom products with UDP Parameters (Conformance)	Sequence numbers	RFC 768 Annex P5 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
131	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, PON, Media Gateway, PABX, SBC, Soft Switch, SIP Terminal, IP Phone, IP conferencing Equipment and similar telecom products with UDP Parameters (Conformance)	UDP Format	RFC 768 Annex P5 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
132	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, PON, Media Gateway, PABX, SBC, Soft Switch, SIP Terminal, IP Phone, IP conferencing Equipment and similar telecom products with UDP Parameters (Conformance)	User Terminology	RFC 768 Annex P5 of (TEC/SD/DD/TCP-222/2.3/Nov 19)

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-5853
Page No	42 of 56
Validity	03/09/2022 to 02/09/2024
Last Amended on	04/04/2023

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133	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, PON, Media Gateway, PABX, SBC, WiFi AP and Controller, IP Security Equipments and similar telecom products with IP protocol interface	IP Protocols (IPV4, IPV6, TCP, UDP, PPP, PPPoE, HDLC, Static Routing, RIP, OSPF, SIP/SDP, RTP/RTCP, BGP, MEGACO, MGCP (H.248), H.323)	RFC 791, RFC 2460, RFC 4861, RFC 4862, RFC 4443, RFC 1981, RFC 793, RFC 768, RFC 1661, RFC 2516, RFC 4349, RFC 3442, RFC 2453 ,RFC 2328, RFC 3261, RFC 3550, RFC 4271,4760, 2545, TEC/IR/SW/TMG-101/06/NOV-18 , TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
134	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, WiFi AP and Controller and similar telecom products with Dual IP layer operation (Conformance)	Dual IP layer operation: Address Configuration	RFC 4213 Clause 2.1 (Annexure P6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
135	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, WiFi AP and Controller and similar telecom products with Dual IP layer operation (Conformance)	Dual IP layer operation: DNS	RFC 4213 Clause 2.2 (Annexure P6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
136	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN Switch, WiFi AP and Controller and similar telecom products with Dual IP layer operation (Conformance)	Dual IP layer operation: Tunneling	RFC 4213 Clause 3 (Annexure P6 of TEC/SD/DD/TCP-222/2.9/Aug 21)
137	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch with SCTP Parameters Set-B	Path Failure Detection	RFC 4960 Clause 8.2 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
138	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch with SCTP Parameters Set-B	Path Management	RFC 4960 Clause 1.5.7 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
139	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch with SCTP Parameters Set-B	Transmission of DATA Chunks	RFC 4960 Clause 6.1 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
140	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch with SCTP Parameters Set-B	User Data Fragmentation	RFC 4960 Clause 1.5.3 Annex P9 of TEC/SD/DD/TCP-222/2.6/September2020
141	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with IPV4 Parameters Set-B	Gateways	RFC 791 Clause 2.4 Annex P6 of TEC/SD/DD/TCP-222/2.6/September2020

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	43 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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142	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with IPV4 Parameters Set-B	Interfaces	RFC 791 Clause 3.3 Annex P6 of TEC/SD/DD/TCP-222/2.6/September2020
143	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with IPV4 Parameters Set-B	Model of operation	RFC 791 Clause 2.2 Annex P6 of TEC/SD/DD/TCP-222/2.6/September2020
144	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with RTCP Parameters Set-B	RTCP: Port Assignment	RFC 3551 Clause 8 Annex P3 of TEC/SD/DD/TCP-222/2.6/September2020
145	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with RTCP Parameters Set-B	RTCP: Registering Additional Encodings	RFC 3551 Clause 3 Annex P3 of TEC/SD/DD/TCP-222/2.6/September2020
146	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with RTP Parameters Set-C	RTP: Byte Order, Alignment, and Time Format	RFC 3550 Clause 4 Annex P2 of TEC/SD/DD/TCP-222/2.6/September2020
147	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with RTP Parameters Set-C	RTP: Simple Multicast Audio Conference	RFC 3550 Clause 2.1 Annex P2 of TEC/SD/DD/TCP-222/2.6/September2020
148	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with SIP Parameters Set-C	SIP - Max Forwards (Not for SIPS URI)	RFC 3261 Clause 8.1.1.6 Annex P1 of TEC/SD/DD/TCP-222/2.6/September2020
149	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with SIP Parameters Set-C	SIP - Message Body length (Not for SIPS URI)	RFC 3261 Clause 7.4.2 Annex P1 of TEC/SD/DD/TCP-222/2.6/September2020
150	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with SIP Parameters Set-C	SIP - Responses (Not for SIPS URI)	RFC 3261 Clause 7.2 Annex P1 of TEC/SD/DD/TCP-222/2.6/September2020
151	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC with TCP Parameters	Header Format and Sequence Numbers	RFC 793 Clause 1.4, 2.3 Annex P4 of TEC/SD/DD/TCP-222/2.6/September2020
152	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTCP Parameters Set-A (Conformance)	RTCP: GSM-EFR	RFC 3551 Clause 4.5.9 Annex P3 of (TEC/SD/DD/TCP-222/2.3/Nov19)

SCOPE OF ACCREDITATION

Laboratory Name : COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5853 **Page No** 44 of 56

Validity 03/09/2022 to 02/09/2024 **Last Amended on** 04/04/2023

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153	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTCP Parameters Set-A (Conformance)	RTCP: Guidelines 1 for sample based audio encodings	RFC 3551 Clause 4.3 Annex P3 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
154	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTCP Parameters Set-A (Conformance)	RTCP: Guidelines 2 for sample based audio encodings	RFC 3551 Clause 4.4 Annex P3 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
155	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTCP Parameters Set-A (Conformance)	RTCP: Port Assignment	RFC 3551 Clause 8 Annex P3 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
156	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTCP Parameters Set-A (Conformance)	RTCP: Registering Additional Encodings	RFC 3551 Clause 3 Annex P3 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
157	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTP Parameters Set-A (Conformance)	RTP: Payload Type	RFC 3550 Clause 5.1 Annex P2 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
158	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTP Parameters Set-A (Conformance)	RTP: Sender report RTCP packet version	RFC 3550 Clause 6.4.1 Annex P2 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
159	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTP Parameters Set-A (Conformance)	RTP: Sequence number	RFC 3550 Clause 5.1 Annex P2 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
160	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTP Parameters Set-A (Conformance)	RTP: SSRC Identification	RFC 3550 Clause 5.1 Annex P2 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
161	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with RTP Parameters Set-A (Conformance)	RTP: Version and Port	RFC 3550 Clause 5.1 Annex P2 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
162	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with SIP Parameters Set-A (Conformance)	Generating SIP request (To, R-URI, From, Call-ID, CSeq, Max-Forwards, Via)	RFC 3261 Clause 8.1.1, 8.1.1.2 to 8.1.1.7 Annex P1 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
163	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with SIP Parameters Set-A (Conformance)	SIP Creating the initial invite	RFC 3261 Clause 13.2.1 Annex P1 of (TEC/SD/DD/TCP-222/2.3/Nov 19)

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	45 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
164	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with SIP Parameters Set-A (Conformance)	SIP Dialog and Transaction	RFC 3261 Clause 12, 12.1.1, 12.1.2 Annex P1 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
165	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with SIP Parameters Set-A (Conformance)	SIP Header : Message Body Type	RFC 3261 Clause 7.4.1 Annex P1 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
166	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with SIP Parameters Set-A (Conformance)	SIP Terminating a Session with a BYE request.	RFC 3261 Clause 15 Annex P1 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
167	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, PABX, IP Conferencing Equipments and similar telecom products with SIP Parameters Set-A (Conformance)	User Authentication	RFC 3261 Clause 21 Annex P1 of (TEC/SD/DD/TCP-222/2.3/Nov 19)
168	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: Flow Label	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
169	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	IPv6 Extension Header Hop By Hop Options	RFC 2460/ 8200 Clause 4.3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
170	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: Hop Limit	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
171	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: No next header after IPv6 Header	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
172	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: Payload Length	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
173	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: Source and Destination Address	RFC 2460/ 8200 Clause3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
174	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: Traffic Class	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)

SCOPE OF ACCREDITATION

Laboratory Name : COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5853 **Page No** 46 of 56

Validity 03/09/2022 to 02/09/2024 **Last Amended on** 04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
175	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	Header: Version Field	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
176	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	IPv6 Extension Header Options	RFC 2460/ 8200 Clause4.2 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
177	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	IPv6 Extension Header Order	RFC 2460/ 8200 Clause4.1 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
178	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SIP Terminal, IP Phone, SBC, Mobile Device, PON, IoT Gateway and similar telecom products with IPV6 Header Parameters (Conformance)	IPv6 Extension Header Routing	RFC 2460/ 8200 Clause 4.4 (Annexure P7 of TEC/SD/DD/TCP-222/2.9/Aug 21)
179	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment and similar products with digital and analog interfaces	Group Delay	ITU-T Q.552, TEC/IR/NGS/2MB-001/03 DEC.14, TEC/IR/SW/PBX-104/04/OCT-17
180	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment and similar products with digital and analog interfaces	Total Distortion	ITU-T Q.552, TEC/IR/SW/PBX-104/04/OCT-17, TEC/IR/NGS/2MB-001/03 DEC.14
181	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment and similar products with digital and analog interfaces	Transmission Loss	ITU-T Q.552, TEC/IR/NGS/2MB-001/03 DEC.14, TEC/IR/SW/PBX-104/04/OCT-17
182	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment and similar products with digital and analog interfaces	Weighted Noise	ITU-T Q.552, TEC/IR/SW/PBX-104/04/OCT-17, TEC/IR/NGS/2MB-001/03 DEC.14
183	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment and similar telecom products with ISDN BRI interface	ISDN BRI Protocol	ITU-T Q.931
184	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment and similar telecom products with ISDN PRI interface	ISDN PRI protocol	ITU-T Q.931

SCOPE OF ACCREDITATION

Laboratory Name : COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5853 **Page No** 47 of 56

Validity 03/09/2022 to 02/09/2024 **Last Amended on** 04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
185	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment, PON ONT and similar telecom products with 2 wire analog interface	AC Current	ETSI EN 300 001, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/TX/PST-01/02.MAR 2015
186	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment, PON ONT and similar telecom products with 2 wire analog interface	AC Voltage	ETSI EN 300 001, TEC/IR/TX/PST-01/02.MAR 2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
187	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment, PON ONT and similar telecom products with 2 wire analog interface	DC Current	ETSI EN 300 001, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/TX/PST-01/02.MAR 2015
188	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment, PON ONT and similar telecom products with 2 wire analog interface	DC Voltage	ETSI EN 300 001, TEC/IR/TX/PST-01/02.MAR 2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
189	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment, PON ONT and similar telecom products with 2 wire analog interface	Flash	ETSI EN 300 001, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16 , TEC/IR/TX/PST-01/02.MAR 2015
190	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Telephone Equipment, PABX, ISDN, CPE, Audio Conferencing Equipment, PON ONT and similar telecom products with 2 wire analog interface	Resistance	ETSI EN 300 001/ETSI TBR-21, TEC/IR/TX/PST-01/02.MAR 2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC/GR/SW/PBX-005/01/SEP-16
191	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Bit Error Rate (STM-1 optical)	ITU-T G.826, ITU-T G.828
192	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Bit Rate / Clock Frequency with accuracy (STM-1 optical)	ITU-T G.957/ ITU-T G.707
193	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Extinction Ratio (STM-1 optical)	ITU-T G.957

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	48 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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194	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Eye Pattern Mask (STM-1Optical)	ITU-T G.957
195	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Jitter/Wander Tolerance (STM-1 optical)	ITU-T G.825, ITU-T G.783
196	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Mean Launch Power (STM-1 optical)	ITU-T G.957
197	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Operating Wavelength (STM-1 optical)	ITU-T G.957
198	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Output Jitter/Wander (STM-1 optical)	ITU-T G.825, ITU-T G.783
199	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Receiver Reflectance (STM-1 optical)	ITU-T G.957
200	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Receiver Sensitivity (STM-1 optical)	ITU-T G.957
201	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Side Mode Suppression Ratio (STM-1 optical)	ITU-T G.957
202	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Spectral Width (-20dB) (STM-1 optical)	ITU-T G.957
203	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar products with 155mbps (STM-1 optical) interface	Spectral Width (RMS) (STM-1 optical)	ITU-T G.957
204	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 Mbps (STM-16 optical) interface	Bit Error Rate (STM-16 optical)	ITU-T G.826, ITU-T G.828

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	49 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
205	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Extinction Ratio (STM-16 optical)	ITU-T G.957
206	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Eye Pattern Mask (STM-16 optical)	ITU-T G.957
207	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Jitter/Wander Tolerance (STM-16 optical)	ITU-T G.825, ITU-T G.783
208	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Mean Launch Power (STM-16 optical)	ITU-T G.957
209	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Operating Wavelength (STM-16 optical)	ITU-T G.957
210	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Output Jitter/Wander (STM-16 optical)	ITU-T G.825, ITU-T G.783
211	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Receiver Reflectance (STM-16 optical)	ITU-T G.957
212	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Receiver Sensitivity (STM-16 optical)	ITU-T G.957
213	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Side Mode Suppression Ratio (STM-16 optical)	ITU-T G.957
214	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Spectral Width (-20dB) (STM-16 optical)	ITU-T G.957
215	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488 mbps (STM-16 optical) interface	Spectral Width (RMS) (STM-16 optical)	ITU-T G.957

SCOPE OF ACCREDITATION

Laboratory Name : COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5853 **Page No** 50 of 56

Validity 03/09/2022 to 02/09/2024 **Last Amended on** 04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
216	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 2488mbps (STM-16 optical) interface	Bit Rate / Clock Frequency with accuracy (STM-16 optical)	ITU-T G.957/ ITU-T G.707
217	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Bit Error Rate (STM-4 optical)	ITU-T G.826, ITU-T G.828
218	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Bit Rate / Clock Frequency with accuracy (STM-4 optical)	ITU-T G.957/ ITU-T G.707
219	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Extinction Ratio (STM-4 optical)	ITU-T G.957
220	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Eye Pattern Mask (STM-4 optical)	ITU-T G.957
221	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Jitter/Wander Tolerance (STM-4 optical)	ITU-T G.825, ITU-T G.783
222	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Mean Launch Power (STM-4 optical)	ITU-T G.957
223	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Operating Wavelength (STM-4 optical)	ITU-T G.957
224	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Output Jitter/Wander (STM-4 optical)	ITU-T G.825, ITU-T G.783
225	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Receiver Reflectance (STM-4 optical)	ITU-T G.957
226	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Receiver Sensitivity (STM-4 optical)	ITU-T G.957

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	51 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
227	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Side Mode Suppression Ratio (STM-4 optical)	ITU-T G.957
228	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Spectral Width (-20dB) (STM-4 optical)	ITU-T G.957
229	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with 622mbps (STM-4 optical) interface	Spectral Width (RMS) (STM-4 optical)	ITU-T G.957
230	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with G.957 interface	Multiplexing structure & Mapping (STM-1 optical to STM-16 optical)	ITU-T G.707
231	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with G.957 optical interface	Optical Return Loss	ITU-T G.957
232	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with SDH interfaces	Receiver Overload	ITU-T G.957/ITU-T G.691
233	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with STM-64 Optical Interface	Bit Rate / Clock Frequency with accuracy (STM-64 optical)	ITU-T G.707
234	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with STM-64 Optical Interface	Jitter/Wander Tolerance (STM-64 optical)	ITU-T G.783, ITU-T G.825
235	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with STM-64 Optical Interface	Mean Launch Power (STM-64 optical)	ITU-T G.691
236	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with STM-64 Optical Interface	Operating Wavelength (STM-64 optical)	ITU-T G.691
237	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with STM-64 Optical Interface	Output Jitter/Wander (STM-64 optical)	ITU-T G.783, ITU-T G.825

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	52 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
238	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave and similar telecom products with STM-64 Optical Interface	Receiver Sensitivity (STM-64 optical)	ITU-T G.691
239	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar products with 2048 kbps (E1) interface	Pulse Shape /Characteristics (E1/2048 Kbps/ PRI) (for Width)	ITU-T G.703
240	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar products with STM-1 electrical interface	Bit Rate Tolerance	ITU-T G.703
241	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar products with STM-1 electrical interface	Input Jitter Tolerance	ITU-T G.825
242	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar products with STM-1 electrical interface	Input Return Loss	G.703
243	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar products with STM-1 electrical interface	Output Jitter /Wander	ITU-T G.825
244	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar products with STM-1 electrical interface	Pulse Mask	ITU-T G.703
245	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Bit Error Rate (E1/2048 Kbps)	ITU-T G.821, ITU-T G.826
246	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Bit Slip (E1/2048 Kbps)	ITU-T G.822
247	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Clock frequency / Bit Rate with accuracy (E1/2048 Kbps)	ITU-T G.703
248	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Jitter/Wander Tolerance (E1/2048 Kbps)	ITU-T G.823, ITU-T G.732

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	53 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

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249	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Output Jitter/Wander (E1/2048 Kbps)	ITU-T G.823, ITU-T G.732
250	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Pulse Shape /Characteristics (E1/2048 Kbps) (for amplitude)	ITU-T G.703
251	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Return Loss (E1/2048 Kbps)	ITU-T G.703
252	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 2048 kbps (E1/ PRI) interface	Wander Measurement / Time Interval Error (E1/2048 Kbps)	ITU-T G.823
253	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Bit Error Rate (E3/34368 Kbps)	ITU-T G.821, ITU-T G.826
254	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Clock frequency / Bit Rate with accuracy (E3/34368 Kbps)	ITU-T G.703
255	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Clock frequency / Nominal Bit Rate with accuracy (DS3/45 Mbps)	ITU-T G.703
256	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Jitter/Wander Tolerance (E3/34368 Kbps)	ITU-T G.823, ITU-T G.751
257	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Output Jitter/Wander (E3/34368 Kbps)	ITU-T G.823, ITU-T G.732, ITU-T G.751
258	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Pulse Shape / Characteristics (E3/34368 Kbps) (for amplitude)	ITU-T G.703
259	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Pulse Shape / Characteristics (E3/34368 Kbps) (for width)	ITU-T G.703

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	54 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
260	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 34,368 kbps (E3) interface	Return Loss (E3/34368 Kbps)	ITU-T G.703
261	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 45 Mbps (DS3) interface	DC Power	ITU-T G.703
262	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 45 Mbps (DS3) interface	Jitter/Wander Tolerance (DS3/45 Mbps)	ITU-T G.824
263	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 45 Mbps (DS3) interface	Output Jitter/Wander (DS3/45 Mbps)	ITU-T G.824
264	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 45 Mbps (DS3) interface	Pulse Shape /Characteristics (DS3/45 Mbps) (for amplitude) - Width - Amplitude - Mask - Time	ITU-T G.703
265	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 45 Mbps (DS3) interface	Pulse Shape /Characteristics (DS3/45 Mbps) (for width) - Width - Amplitude - Mask - Time	ITU-T G.703
266	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 8Mbps (E2) interface	Input Jitter tolerance	ITU-T G.823
267	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 8Mbps (E2) interface	Input return loss	ITU-T G.703
268	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 8Mbps (E2) interface	Nominal Bit rate with tolerance	ITU-T G.703
269	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 8Mbps (E2) interface	Output Jitter	ITU-T G.823
270	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, ISDN CPE and similar telecom products with 8Mbps (E2) interface	Pulse Mask	ITU-T G.703

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	55 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
271	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch WiFi AP and Controller and similar telecom products with IP protocol interface (Functional)	DTMF DHCP ICMPV4 ARP SCTP RTCP	RFC 4733 RFC 2131 RFC 792 RFC 826 RFC 2960/RFC 4960 RFC 3551
272	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Ethernet Electrical interfaces	Auto Negotiation	IEEE 802.3
273	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Ethernet Electrical interfaces	Duplex (Full or half)	IEEE 802.3
274	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Ethernet Electrical interfaces	Frame Loss	IEEE 802.3/RFC 2544
275	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Ethernet Electrical interfaces	Latency	IEEE 802.3/RFC 2544
276	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Ethernet Electrical interfaces	Link speed test	IEEE 802.3
277	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Ethernet Electrical interfaces	Throughput	IEEE 802.3/RFC 2544, G.984.1, G.987.1, G.9807.1, G.989.2 G.
278	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Optical Ethernet Interfaces	Operating Wavelength	IEEE 802.3
279	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Optical Ethernet Interfaces	Optical Output Power	IEEE 802.3
280	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Product, Router, LAN Switch, PON, Media Gateway, Microwave, PABX, SBC, Soft Switch, WiFi AP and Controller, IP Security Equipment and similar telecom products with Optical Ethernet Interfaces	Receiver Sensitivity	IEEE 802.3
281	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Central Frequency	ITU-T G.959.1/ ITU-T G.693/ITU-T G.695

SCOPE OF ACCREDITATION

Laboratory Name :	COMPLIANCE INTERNATIONAL TELECOM LABORATORIES (A UNIT OF COMPLIANCE INTERNATIONAL PVT LTD), X-35, 3RD FLOOR, OKHLA PHASE -II, NEW DELHI, DELHI, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5853	**Page No**	56 of 56
Validity	03/09/2022 to 02/09/2024	**Last Amended on**	04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
282	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Jitter Tolerance	ITU-T G.8251
283	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Mean Total Input power	ITU-T G.959.1/ ITU-T G.693/ITU-T G.695
284	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Mean total Output Power	ITU-T G.959.1/ ITU-T G.693/ ITU-T G.695
285	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Nominal Bit Rate	G.709
286	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Output Jitter	ITU-T G.8251
287	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Receiver Overload	ITU-T G.959.1/ ITU-T G.693/ ITU-T G.695
288	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Receiver Sensitivity	ITU-T G.959.1/ ITU-T G.693/ ITU-T G.695
289	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Video Conferencing Equipment	Functions / Features of Video Conferencing Equipment with ISDN BRI interface - PSTN Connectivity - Video/Audio - Conference Control - Connection Rate - Availability of Service	TEC/IR/SW/ICP-102/04/MAR-19