



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

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Validity 03/09/2024 to 02/09/2026 **Last Amended on** 04/09/2024

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 Testing				
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)	Electronic Products (only with external antenna connector) with RF output	Designation of Center Frequencies and frequency error	ETSI EN 302 502 V2.1.1 (2017-03); Clause 4.2.1
7	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products (only with external antenna connector) with RF output	Dynamic Frequency Selection (DFS)	ETSI EN 302 502 Clause no. :4.2.6
8	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products (only with external antenna connector) with RF output	Receiver Blocking	ETSI EN 302 502 V2.1.1 (2017-03); Clause no.: 4.2.7
9	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products (only with external antenna connector) with RF output	Receiver Spurious Emissions (Conducted)	ETSI EN 302 502 V2.1.1 (2017-03); Clause:4.2.5
10	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products (only with external antenna connector) with RF output	Transmitter Power Control (TPC)	ETSI EN 302 502 V2.1.1 (2017-03); Clause 4.2.4



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11	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products (only with external antenna connector) with RF output	Transmitter RF Output Power, EIRP and EIRP Spectral Density	ETSI EN 302 502 V2.1.1 (2017-03); Clause 4.2.2
12	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products (only with external antenna connector) with RF output	User Access Restrictions	ETSI EN 302 502 V2.1.1 (2017-03); Clause no.: 4.2.8
13	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic products having Telecom Interface	Nominal, and occupied, channel bandwidth	ETSI EN 301 893 V2.1.1 (2017-05); Clause No.: 4.2.2
14	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	"Transmitter unwanted emissions outside the 5 GHz RLAN bands (Conducted)"	ETSI EN 301 893 V2.1.1 (2017-05); Clause: 4.2.4.1
15	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Accumulated Transmit Time, Frequency occupation and Hopping	ETSI EN 300 328 V2.2.2 (2019-07); Clause No.: 4.3.1.4, 5.4.4
16	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Adaptivity	ETSI EN 300 328 V2.2.2 (2019-07); Clause No.: 4.3.1.7 or 4.3.2.6, 5.4.6
17	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Adaptivity	ETSI EN 301 893 V2.1.1 (2017-05); Clause No.: 4.2.7
18	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Carrier frequencies	ETSI EN 301 893 V2.1.1 (2017-05); Clause No.: 4.2.1
19	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Duty Cycle, Tx sequence, Tx gap	ETSI EN 300 328 V2.2.2 (2019-07); Clause No.: 4.3.1.3 or 4.3.2.4, 5.4.2
20	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Dynamic Frequency Selection (DFS)	ETSI EN 301 893 Clause No.: 4.2.6.2
21	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Geolocation Capability	ETSI EN 300 328 V2.2.2 (2019-07); Clause No.: 4.3.1.13, 4.3.2.12



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22	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Geo-location capability	ETSI EN 301 893 V2.1.1 (2017-05); Clause No.: 4.2.10
23	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Hopping Frequency Separation	ETSI EN 300 328 V2.2.2 (2019-07); Clause No.: 4.3.1.5, 5.4.5
24	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Medium utilization	ETSI EN 300 328 V2.2.2 (2019-07); Clause No.: 4.3.1.6 or 4.3.2.5, 5.4.2
25	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Occupied Channel bandwidth	ETSI EN 300 328 V2.2.2 (2019-07); Clause No.: 4.3.1.8 or 4.3.2.7, 5.4.7
26	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Power Spectral Density	ETSI EN 300 328 V2.2.2 (2019-07); Clause No.: 4.3.2.3, 5.4.3
27	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Receiver blocking	ETSI EN 300 328 V2.2.2 (2019-07); Clause No.: 4.3.1.12 or 4.3.2.11,5.4.11
28	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Receiver Blocking	ETSI EN 301 893 V2.1.1 (2017-05); Clause No.: 4.2.8
29	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Receiver spurious emissions (Conducted)	ETSI EN 300 328 V2.2.2 (2019-07); Clause: 4.3.1.11 or 4.3.2.10, 5.4.10
30	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Receiver spurious emissions (Conducted)	ETSI EN 301 893 V2.1.1 (2017-05); Clause: 4.2.5
31	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Receiver spurious emissions (Conducted)	ETSI EN 301 893 V2.1.1 (2017-05); Clause: 4.2.5
32	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	RF Output Power	ETSI EN 300 328 V2.2.2 (2019-07); Clause No.: 4.3.1.2 or 4.3.2.2, 5.4.2.2



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33	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	RF output power, Transmit Power Control (TPC), Power Density	ETSI EN 301 893 V2.1.1 (2017-05); Clause No.: 4.2.3
34	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Transmitter unwanted Emission in OOB Domain	ETSI EN 300 328 V2.2.2 (2019-07); Clause No.: 4.3.1.9 or 4.3.2.8, 5.4.8
35	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Transmitter unwanted emissions in the spurious domain (Conducted)	ETSI EN 300 328 V2.2.2 (2019-07); Clause: 4.3.1.10 or 4.3.2.9, 5.4.9
36	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	Transmitter unwanted emissions within the 5 GHz RLAN bands (Conducted)	ETSI EN 301 893 V2.1.1 (2017-05); Clause No.: 4.2.4.2
37	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Electronic Products with RF output	User Access Restrictions	ETSI EN 301 893 V2.1.1 (2017-05); Clause No.: 4.2.9
38	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
39	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
40	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
41	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
42	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	MAC address limitation per-ONT	IEEE 802.3



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43	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Functions and Features of PON Products	Support of 802.1x authenticator functionality (MAC based)	IEEE 802.1x
44	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
45	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	GPON Equipment	ECR	TEC 74046
46	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, TEC 79082
47	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Infiniband Switch	Subnet Manager	IBTA Architecture Specification RLC 1.5 as per ER No. TEMP1614945678355 Test No 44 of TEC/TC/DD/TCP-222/2.19/ March
48	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
49	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway	IPv6 Packet Size Issue	RFC 8200 Clause 5 Annexure P7 TEC/TC/DD/TCP-222/2.19/ March
50	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/TC/DD/TCP-222/2.19/ March
51	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/TC/DD/TCP-222/2.19/ March
52	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/TC/DD/TCP-222/2.19/ March



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53	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/TC/DD/TCP-222/2.19/ March
54	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/TC/DD/TCP-222/2.19/ March
55	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/TC/DD/TCP-222/2.19/ March
56	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/TC/DD/TCP-222/2.19/ March
57	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/TC/DD/TCP-222/2.19/ March:
58	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/TC/DD/TCP-222/2.19/ March
59	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/TC/DD/TCP-222/2.19/ March
60	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/TC/DD/TCP-222/2.19/ March
61	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/TC/DD/TCP-222/2.19/ March
62	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment and similar telecom products with IP Sec Feature	IPSec Functional Test	Test No 16 of TEC/TC/DD/TCP-222/2.19/ March
63	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment and similar telecom products with NAT features	NAT Functional Test	Test no 17,18 of TEC/TC/DD/TCP-222/2.19/ March



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64	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment and similar telecom products with policy function	Policy Functional Test	Test No 19 of TEC/TC/DD/TCP-222/2.19/ March)
65	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/TC/DD/TCP-222/2.19/ March
66	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
67	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
68	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	LAN switch and similar telecom products with Layer-2 Protocols	Spanning Tree Protocol	IEEE 802.1d
69	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 : 2018, TEC 59062
70	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/TC/DD/TCP-222/2.19/ March
71	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/TC/DD/TCP-222/2.19/ March
72	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/TC/DD/TCP-222/2.19/ March
73	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/TC/DD/TCP-222/2.19/ March
74	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/TC/DD/TCP-222/2.19/ March

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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75	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/TC/DD/TCP-222/2.19/ March
76	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/TC/DD/TCP-222/2.19/ March
77	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/TC/DD/TCP-222/2.19/ March
78	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/TC/DD/TCP-222/2.19/ March
79	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/TC/DD/TCP-222/2.19/ March
80	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/TC/DD/TCP-222/2.19/ March
81	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/TC/DD/TCP-222/2.19/ March
82	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/TC/DD/TCP-222/2.19/ March
83	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/TC/DD/TCP-222/2.19/ March
84	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/TC/DD/TCP-222/2.19/ March
85	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/TC/DD/TCP-222/2.19/ March



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86	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
87	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, TEC 58022
88	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, TEC 58022
89	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/OCT17, TEC 60010 :2023, TEC/GR/SW/PBX-005/01/SEP:2016, TEC 60030
90	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/TC/DD/TCP-222/2.19/ March
91	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/TC/DD/TCP-222/2.19/ March
92	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/TC/DD/TCP-222/2.19/ March
93	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/TC/DD/TCP-222/2.19/ March
94	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX and similar telecom products with MFC-R2 Protocol interface	MFC-R2 Protocol	TEC/GR/LLT-01
95	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 60030:2023, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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96	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 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
97	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 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
98	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 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
99	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
100	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 60012:2023, TEC/GR/SW/PBX-005/01/SEP.2016, TEC 60030
101	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 60030:2023, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012
102	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 60030:2023, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012
103	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 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
104	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 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030:
105	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/TC/DD/TCP-222/2.19/ March)



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106	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/TC/DD/TCP-222/2.19/ March)
107	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/TC/DD/TCP-222/2.19/ March)
108	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON product and similar telecom products with PON interfaces	Line testing	IEEE 802.3ah, IEEE 802.3
109	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
110	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
111	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
112	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
113	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
114	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PON Products (OLT, ONT, ONU)	Interoperability Test for GPON Int	ITU-T G.984.x G.988 and Annex-J5
115	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 2G/GSM Technology Interface	Adjacent Channel Rejection (speech channels)	3GPP TS 51 010-1 Clause 14.5.1 EN 301 511 (GSM) Clause 4.2.38
116	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 2G/GSM Technology Interface	Frequency Error and phase error	3GPP TS 51 010-1 Clause 13.1/ EN 301 511 (GSM) Clause 4.2.1/ GPRS:3GPP TS 51 010-1 Clause 13.16.1/ EN 301 511 (GSM) Clause 4.2.4



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117	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 2G/GSM Technology Interface	Output RF Spectrum	3GPP TS 51 010-1 Clause 13.4/ EN 301 511 (GSM) Clause 4.2.6/ 3GPP TS 51 010-1 Clause 13.16.3/ EN 301 511 (GSM) Clause 4.2.11
118	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 2G/GSM Technology Interface	Receiver blocking	3GPP TS 51 010-1 Clause 14.7.1 EN 301 511 (GSM) Clause 4.2.20
119	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 2G/GSM Technology Interface	Reference sensitivity level (speech channels)	3GPP TS 51 010-1 Clause 14.2.1/ EN 301 511 (GSM) Clause 4.2.42
120	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 2G/GSM Technology Interface	Spurious emission (MS in idle mode)	3GPP TS 51 010-1 Clause 12.1.2/ EN 301 511 (GSM) Clause 4.2.13
121	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 2G/GSM Technology Interface	Spurious emissions (MS allocated a channel)	3GPP TS 51 010-1 Clause 12.1.1/ EN 301 511 (GSM) Clause 4.2.12
122	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 2G/GSM Technology Interface	Transmitter Maximum output power	3GPP TS 51 010-1 Clause 13.16.2/ EN 301 511 (GSM) Clause 4.2.10/ 3GPP TS 51 010-1 Clause 13.3/ EN 301 511 (GSM) Clause 4.2.5
123	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 3G/WCDMA Technology Interface	Frequency Stability	ETSI EN 301 908-2 (UM3GPP TS); 3GPP TS 34.121-1 5.3
124	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 3G/WCDMA Technology Interface	Receiver Adjacent Channel Selectivity (ACS)	3GPP TS 34.121-1 Clause 6.4 EN 301 908-2 (UMTS) Clause 4.2.6
125	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 3G/WCDMA Technology Interface	Receiver In-band blocking	3GPP TS 34.121-1 Clause 6.5.2.1 EN 301 908-2 (UMTS) Clause 4.2.7
126	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 3G/WCDMA Technology Interface	Receiver Reference sensitivity level	3GPP TS 34.121-1 Clause 6.2 EN 301 908-2 (UMTS) Clause 4.2.13
127	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 3G/WCDMA Technology Interface	Receiver spurious emission	3GPP TS 34.121-1 Clause 6.8 EN 301 908-2 (UMTS) Clause 4.2.10



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128	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 3G/WCDMA Technology Interface	Transmitter Maximum output power	3GPP TS 34.121-1 Clause 5.2 EN 301 908-2 (UMTS) Clause 4.2.2
129	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 3G/WCDMA Technology Interface	Transmitter Minimum Output Power	3GPP TS 34.121-1 Clause 5.4.3 EN 301 908-2 (UMTS) Clause 4.2.5
130	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 3G/WCDMA Technology Interface	Transmitter Spectrum emissions mask	3GPP TS 34.121-1 Clause 5.9 EN 301 908-2 (UMTS) Clause 4.2.3
131	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with 3G/WCDMA Technology Interface	Transmitter spurious emissions (Conducted)	3GPP TS 34.121-1 Clause 5.11 EN 301 908-2 (UMTS) Clause 4.2.4
132	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with CDMA2000/2G/ GSM/ GPRS/3G/ WCDMA/ HSPA/4G/ LTE/ LTE-A	Frequency of Operation/Operating Frequency	NFAP Annex F
133	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with LTE/ LTE-A Technology Interface	Frequency Stability	3GPP TS 36.521-1 6.5, EN 301 908-13 (LTE)
134	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with LTE/ LTE-A Technology Interface	Maximum output power	3GPP TS 36.521-1 Clause 6.2.2, EN 301 908-13 (LTE) Clause 4.2.2.1
135	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with LTE/ LTE-A Technology Interface	Receiver Adjacent Channel Selectivity (ACS)	3GPP TS 36.521-1 Clause 7.5, EN 301 908-13 (LTE) Clause 4.2.6.1
136	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with LTE/ LTE-A Technology Interface	Receiver In-band blocking	3GPP TS 36.521-1 Clause 7.6.1, EN 301 908-13 (LTE) Clause 4.2.7.1
137	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with LTE/ LTE-A Technology Interface	Receiver Reference Sensitivity level	3GPP TS 36.521-1 Clause 7.3, EN 301 908-13 (LTE) Clause 4.2.12.1
138	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with LTE/ LTE-A Technology Interface	Receiver spurious emission (Conducted)	3GPP TS 36.521-1 Clause 7.9, EN 301 908-13 (LTE) Clause 4.2.10.1



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139	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with LTE/ LTE-A Technology Interface	Spectrum emissions mask	3GPP TS 36.521-1 Clause 6.6.2.1, EN 301 908-13 (LTE) Clause 4.2.3.1
140	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Products with LTE/ LTE-A Technology Interface	Spurious emissions	3GPP TS 36.521-1 Clauses 6.6.3.1, 6.6.3.2, 6.6.3.3, EN 301 908-13 (LTE) Clause 4.2.4.1
141	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/IT/TCP-001/05.MAR.14, TEC 48012
142	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router & LAN Switch	Qx Protocol (Functional Test)	Test 6 & 7 Appendix -II Annexure P11 TEC/TC/DD/TCP-222/2.19/ March
143	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/TC/DD/TCP-222/2.19/ March)
144	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/TC/DD/TCP-222/2.19/ March)
145	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/TC/DD/TCP-222/2.19/ March)
146	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)
147	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/TC/DD/TCP-222/2.19/ March)
148	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/TC/DD/TCP-222/2.19/ March)
149	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with PPPoE	PPPoE Functional test	RFC 2516



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150	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router and similar telecom products with Radius	Radius Functional test	RFC 2865
151	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Events causing interface state changes- Backup Seen	RFC 2328 Clause 9.2 (Appendix I-Table 1 of TEC/TC/DD/TCP-222/2.19/ March)
152	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/TC/DD/TCP-222/2.19/ March)
153	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Receiving protocol packets Area management with the ABRs.	RFC 2740 / 5340 Clause 3.2.2 (Appendix I- Table 2 of TEC/TC/DD/TCP-222/2.19/ March)
154	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Sending Link State Acknowledgment packets LS Update management	RFC 2328 Clause 13.5 (Appendix I-Table 1 of TEC/TC/DD/TCP-222/2.19/ March)
155	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	The Flooding Procedure- LS Update management	RFC 2328 Clause 13(5b) (Appendix I- Table 1 of TEC/TC/DD/TCP-222/2.19/ March)
156	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/TC/DD/TCP-222/2.19/ March)
157	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	Receiving protocol packets - protocol packet identification	RFC 2740 / 5340 Clause 3.2.2 (Appendix I- Table 2 of TEC/TC/DD/TCP-222/2.19/ March)
158	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	Router-LSAs protocol packet identification	RFC 2740 / 5340 Clause 3.4.3.1 (Appendix I- Table 2 of TEC/TC/DD/TCP-222/2.19/ March)
159	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	The hello packet Parameter synchronization for session establishment	RFC 2740 /5340 Clause A.3.2 (Appendix I- Table 2 of TEC/TC/DD/TCP-222/2.19/ March)
160	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	The Neighbor Data Structure- Neighbor's Interface ID	RFC 2740 / 5340 Clause 3.1.3 (Appendix I- Table 2 of TEC/TC/DD/TCP-222/2.19/ March)



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161	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/TC/DD/TCP-222/2.19/ March
162	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/TC/DD/TCP-222/2.19/ March
163	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/TC/DD/TCP-222/2.19/ March
164	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/TC/DD/TCP-222/2.19/ March
165	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/TC/DD/TCP-222/2.19/ March
166	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/TC/DD/TCP-222/2.19/ March
167	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipment and similar telecom products with IPV6 Complete Suite (Conformance)	Becoming an Advertising Interface Router specification	RFC 4861 Clause 6.2.2 (Appendix I- Table 4 of TEC/TC/DD/TCP-222/2.19/ March)
168	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
169	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	RFC 4862 Clause 5.4 (Appendix I- Table 5 of TEC/TC/DD/TCP-222/2.19/ March)
170	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/TC/DD/TCP-222/2.19/ March)
171	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/TC/DD/TCP-222/2.19/ March)



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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
172	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/TC/DD/TCP-222/2.19/ March)
173	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/TC/DD/TCP-222/2.19/ March)
174	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/TC/DD/TCP-222/2.19/ March)
175	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/TC/DD/TCP-222/2.19/ March)
176	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/TC/DD/TCP-222/2.19/ March)
177	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/TC/DD/TCP-222/2.19/ March)
178	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 / 8201 Clause 4 (Appendix I- Table 6 of TEC/TC/DD/TCP-222/2.19/ March)
179	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/TC/DD/TCP-222/2.19/ March)
180	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/TC/DD/TCP-222/2.19/ March)
181	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipments and similar telecom products with IPV6 Complete Suite (Conformance)	Vali dation of Neighbor Solicitations- Peer validation	RFC4862/RFC 4861 Clause 5.4/Clause 7.1.1 (Appendix I- Table 5 of TEC/TC/DD/TCP-222/2.19/ March)
182	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	RFC 4861 Clause 7.1.2 (Appendix I- Table 4 of TEC/TC/DD/TCP-222/2.19/ March)



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183	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/TC/DD/TCP-222/2.19/ March)
184	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	RFC 4861 Clause 7.1.1 (Appendix I- Table 4 of TEC/TC/DD/TCP-222/2.19/ March)
185	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	RFC 4862 / RFC 4861 Clause 5.4/Clause 7.1.1 (Appendix I- Table 5 of TEC/TC/DD/TCP-222/2.19/ March)
186	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/TC/DD/TCP-222/2.19/ March)
187	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/TC/DD/TCP-222/2.19/ March)
188	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 Clause 3.1, 3.3 Clause 1.4,2.3, 3.1 Annex P4 of (TEC/TC/DD/TCP-222/2.19/ March)
189	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/TC/DD/TCP-222/2.19/ March)
190	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/TC/DD/TCP-222/2.19/ March)
191	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/TC/DD/TCP-222/2.19/ March)



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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
192	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 / 8201, 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 59062:2023, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
193	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/TC/DD/TCP-222/2.19/ March)
194	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/TC/DD/TCP-222/2.19/ March)
195	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/TC/DD/TCP-222/2.19/ March)
196	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, Switch, IP Security Equipment, Wi-Fi Access Point, IoT Gateway and Similar Telecom Products	IPV4 with clause 2.3	RFC 791 (Clause 2.3)
197	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, Switch, IP Security Equipment, Wi-Fi Access point, IoT Gateway and Similar Telecom Products	IPV6 with clauses 4.7, 7 and 8.1	RFC 8200 (Clause 4.7, 7 and 8.1)
198	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	IPV4 Parameters Set-B (Gateways)	RFC 791 Clause 2.4 Annex P6 of TEC/TC/DD/TCP-222/2.19/ March
199	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	IPV4 Parameters Set-B (Interfaces)	RFC 791 Clause 3.3 Annex P6 of TEC/TC/DD/TCP-222/2.19/ March
200	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	IPV4 Parameters Set-B (Model of operation)	RFC 791 Clause 2.2 Annex P6 of TEC/TC/DD/TCP-222/2.19/ March



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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
201	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	RTCP Parameters Set-B (RTCP: Port Assignment)	RFC 3551 Clause 8 Annex P3 of TEC/TC/DD/TCP-222/2.19/ March
202	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	RTCP Parameters Set-B (RTCP: Registering Additional Encodings)	RFC 3551 Clause 3 Annex P3 of TEC/TC/DD/TCP-222/2.19/ March
203	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	RTP Parameters Set-C (RTP: Byte Order, Alignment, and Time Format)	RFC 3550 Clause 4 Annex P2 of TEC/TC/DD/TCP-222/2.19/ March
204	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	RTP Parameters Set-C (RTP: Simple Multicast Audio Conference)	RFC 3550 Clause 2.1 Annex P2 of TEC/TC/DD/TCP-222/2.19/ March
205	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	SIP Parameters Set-C (SIP - Max Forwards (Not for SIPS URI))	RFC 3261 Clause 8.1.1.6 Annex P1 of TEC/TC/DD/TCP-222/2.19/ March
206	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	SIP Parameters Set-C (SIP - Message Body length (Not for SIPS URI))	RFC 3261 Clause 7.4.2 Annex P1 of TEC/TC/DD/TCP-222/2.19/ March
207	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	SIP Parameters Set-C (SIP - Responses (Not for SIPS URI))	RFC 3261 Clause 7.2 Annex P1 of TEC/TC/DD/TCP-222/2.19/ March
208	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	TCP Parameters (Header Format and Sequence Numbers)	RFC 793 Clause 1.4, 2.3 Annex P4 of TEC/TC/DD/TCP-222/2.19/ March
209	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch	SCTP Parameters Set-B (Transmission of DATA Chunks)	RFC 4960 Clause 6.1 Annex P9 of TEC/TC/DD/TCP-222/2.19/ March
210	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch	SCTP Parameters Set-B (Path Failure Detection)	RFC 4960 Clause 8.2 Annex P9 of TEC/TC/DD/TCP-222/2.19/ March
211	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch	SCTP Parameters Set-B (Path Management)	RFC 4960 Clause 1.5.7 Annex P9 of TEC/TC/DD/TCP-222/2.19/ March



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212	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch	SCTP Parameters Set-B (User Data Fragmentation)	RFC 4960 Clause 1.5.3 Annex P9 of TEC/TC/DD/TCP-222/2.19/ March
213	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/TC/DD/TCP-222/2.19/ March
214	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/TC/DD/TCP-222/2.19/ March
215	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/TC/DD/TCP-222/2.19/ March)
216	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/TC/DD/TCP-222/2.19/ March)
217	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/TC/DD/TCP-222/2.19/ March)
218	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/TC/DD/TCP-222/2.19/ March)
219	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/TC/DD/TCP-222/2.19/ March)
220	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/TC/DD/TCP-222/2.19/ March):
221	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/TC/DD/TCP-222/2.19/ March)
222	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/TC/DD/TCP-222/2.19/ March)



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223	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/TC/DD/TCP-222/2.19/ March)
224	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/TC/DD/TCP-222/2.19/ March)
225	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/TC/DD/TCP-222/2.19/ March)
226	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/TC/DD/TCP-222/2.19/ March)
227	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/TC/DD/TCP-222/2.19/ March)
228	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/TC/DD/TCP-222/2.19/ March)
229	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/TC/DD/TCP-222/2.19/ March)
230	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/TC/DD/TCP-222/2.19/ March)
231	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/TC/DD/TCP-222/2.19/ March)
232	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/TC/DD/TCP-222/2.19/ March)
233	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/TC/DD/TCP-222/2.19/ March)



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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
234	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/TC/DD/TCP-222/2.19/ March)
235	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/TC/DD/TCP-222/2.19/ March)
236	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/TC/DD/TCP-222/2.19/ March)
237	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/TC/DD/TCP-222/2.19/ March)
238	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/TC/DD/TCP-222/2.19/ March)
239	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)	Pv6 Extension Header Options	RFC 2460/ 8200 Clause4.2 (Annexure P7 of TEC/TC/DD/TCP-222/2.19/ March)
240	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SOFT SWITCH, IoT Gateway, Feedback device, Smart Electricitymeter, Tracking device, Smart camera, Smart Watch	IPV4 Parameters Set-C (Function Description)	RFC 791 Clause 2.3
241	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, TEC 60012
242	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 60012:2023, TEC/IR/NGS/2MB-001/03 DEC.14
243	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, TEC 60012



National Accreditation Board for Testing and Calibration Laboratories

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244	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 60012:2023, TEC/IR/NGS/2MB-001/03 DEC.14
245	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
246	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
247	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 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030:2023, TEC/IR/TX/PST-01/02.MAR 2015, TEC 79082
248	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 79082:2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
249	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/TX/PST-01/02.MAR 2015, TEC 79082:2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
250	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 79082:2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
251	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/TX/PST-01/02.MAR 2015, TEC 79082:2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030



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252	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 79082:2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
253	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
254	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
255	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
256	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
257	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
258	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
259	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
260	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
261	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
262	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

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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263	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
264	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
265	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
266	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
267	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
268	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
269	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
270	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
271	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
272	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
273	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



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274	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
275	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
276	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
277	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
278	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
279	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
280	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
281	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
282	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
283	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
284	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



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285	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
286	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
287	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
288	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
289	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
290	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
291	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
292	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
293	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
294	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
295	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



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296	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
297	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
298	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
299	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
300	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
301	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
302	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
303	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
304	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
305	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
306	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



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307	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
308	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
309	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
310	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
311	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
312	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
313	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
314	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
315	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
316	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
317	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



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318	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
319	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
320	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
321	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
322	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
323	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
324	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
325	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
326	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
327	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
328	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



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329	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
330	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
331	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
332	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
333	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 RTP	RFC 4733 (Clause no. 3.2, Clause no.2.5.1.2, Clause no. 2.3.4, Clause no. 2.3.5), RFC 4213 (Clause 2.1), RFC 792, RFC 826 RFC 2960/RFC 4960, RFC 3551
334	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
335	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
336	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
337	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
338	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
339	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



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340	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
341	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
342	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
343	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
344	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Jitter Tolerance	ITU-T G.8251
345	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
346	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
347	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Nominal Bit Rate	G.709
348	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Output Jitter	ITU-T G.8251
349	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Receiver Overload	TU-T G.959.1/ ITU-T G.693/ ITU-T G.695
350	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



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351	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, TEC 58022



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Site Testing				
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



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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, TEC 79082
14	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Infiniband Switch	Subnet Manager	IBTA Architecture Specification RLC 1.5 as per ER No. TEMP1614945678355 Test No 44 of TEC/TC/DD/TCP-222/2.19/ March
15	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
16	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IoT Gateway	IPv6 Packet Size Issue	RFC 8200 Clause 5 Annexure P7 TEC/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March



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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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March:
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/TC/DD/TCP-222/2.19/ March
26	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/TC/DD/TCP-222/2.19/ March
27	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/TC/DD/TCP-222/2.19/ March
28	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/TC/DD/TCP-222/2.19/ March
29	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment and similar telecom products with IP Sec Feature	IPSec Functional Test	Test No 16 of TEC/TC/DD/TCP-222/2.19/ March
30	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	IP Security Equipment and similar telecom products with NAT features	NAT Functional Test	Test no 17,18 of TEC/TC/DD/TCP-222/2.19/ March



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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 19 of TEC/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March
33	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
34	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
35	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	LAN switch and similar telecom products with Layer-2 Protocols	Spanning Tree Protocol	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 : 2018, TEC 59062
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March

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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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March



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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, TEC 58022
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, TEC 58022
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/OCT17, TEC 60010 :2023, TEC/GR/SW/PBX-005/01/SEP:2016, TEC 60030
57	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/TC/DD/TCP-222/2.19/ March
58	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/TC/DD/TCP-222/2.19/ March
59	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/TC/DD/TCP-222/2.19/ March
60	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/TC/DD/TCP-222/2.19/ March
61	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	PABX and similar telecom products with MFC-R2 Protocol interface	MFC-R2 Protocol	TEC/GR/LLT-01
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 60030:2023, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012

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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 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
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 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
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 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
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 60012:2023, TEC/GR/SW/PBX-005/01/SEP.16, TEC 60030
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 60012:2023, TEC/GR/SW/PBX-005/01/SEP.20 16, TEC 60030
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 60030:2023, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012
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 60030:2023, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012
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 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
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 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030:



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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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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
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/IT/TCP-001/05.MAR.14, TEC 48012
83	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router & LAN Switch	Qx Protocol (Functional Test)	Test 6 & 7 Appendix -II Annexure P11 TEC/TC/DD/TCP-222/2.19/ March



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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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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
92	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Events causing interface state changes- Backup Seen	RFC 2328 Clause 9.2 (Appendix I-Table 1 of TEC/TC/DD/TCP-222/2.19/ March)
93	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/TC/DD/TCP-222/2.19/ March)
94	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Receiving protocol packets Area management with the ABRs.	RFC 2740 / 5340 Clause 3.2.2 (Appendix I- Table 2 of TEC/TC/DD/TCP-222/2.19/ March)



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95	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	Sending Link State Acknowledgment packets LS Update management	RFC 2328 Clause 13.5 (Appendix I-Table 1 of TEC/TC/DD/TCP-222/2.19/ March)
96	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv2 (Conformance)	The Flooding Procedure- LS Update management	RFC 2328 Clause 13(5b) (Appendix I- Table 1 of TEC/TC/DD/TCP-222/2.19/ March)
97	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/TC/DD/TCP-222/2.19/ March)
98	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	Receiving protocol packets - protocol packet identification	RFC 2740 / 5340 Clause 3.2.2 (Appendix I- Table 2 of TEC/TC/DD/TCP-222/2.19/ March)
99	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch and similar products with OSPFv3 (Conformance)	Router-LSAs protocol packet identification	RFC 2740 / 5340 Clause 3.4.3.1 (Appendix I- Table 2 of TEC/TC/DD/TCP-222/2.19/ March)
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	RFC 2740 /5340 Clause A.3.2 (Appendix I- Table 2 of TEC/TC/DD/TCP-222/2.19/ March)
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	RFC 2740 / 5340 Clause 3.1.3 (Appendix I- Table 2 of TEC/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)



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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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
108	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Router, LAN switch, IP Security Equipment and similar telecom products with IPV6 Complete Suite (Conformance)	Becoming an Advertising Interface Router specification	RFC 4861 Clause 6.2.2 (Appendix I- Table 4 of TEC/TC/DD/TCP-222/2.19/ March)
109	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
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	RFC 4862 Clause 5.4 (Appendix I- Table 5 of TEC/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)



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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
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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 / 8201 Clause 4 (Appendix I- Table 6 of TEC/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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 Solicitations- Peer validation	RFC4862/RFC 4861 Clause 5.4/Clause 7.1.1 (Appendix I- Table 5 of TEC/TC/DD/TCP-222/2.19/ March)
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	RFC 4861 Clause 7.1.2 (Appendix I- Table 4 of TEC/TC/DD/TCP-222/2.19/ March)
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 Advertisements- Peer validation	RFC4862/RFC 4861 Clause 5.4/Clause 7.1.2 (Appendix I- Table 5 of TEC/TC/DD/TCP-222/2.19/ March)
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	RFC 4861 Clause 7.1.1 (Appendix I- Table 4 of TEC/TC/DD/TCP-222/2.19/ March)
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- Reserved field management	RFC 4862 / RFC 4861 Clause 5.4/Clause 7.1.1 (Appendix I- Table 5 of TEC/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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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/TC/DD/TCP-222/2.19/ March)
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 Clause 3.1, 3.3 Clause 1.4,2.3, 3.1 Annex P4 of (TEC/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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 / 8201, 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 59062:2023, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16 , TEC 60030
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)



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137	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	IPV4 Parameters Set-B (Gateways)	RFC 791 Clause 2.4 Annex P6 of TEC/TC/DD/TCP-222/2.19/ March
138	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	IPV4 Parameters Set-B (Interfaces)	RFC 791 Clause 3.3 Annex P6 of TEC/TC/DD/TCP-222/2.19/ March
139	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	IPV4 Parameters Set-B (Model of operation)	RFC 791 Clause 2.2 Annex P6 of TEC/TC/DD/TCP-222/2.19/ March
140	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	RTCP Parameters Set-B (RTCP: Port Assignment)	RFC 3551 Clause 8 Annex P3 of TEC/TC/DD/TCP-222/2.19/ March
141	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	RTCP Parameters Set-B (RTCP: Registering Additional Encodings)	RFC 3551 Clause 3 Annex P3 of TEC/TC/DD/TCP-222/2.19/ March
142	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	RTP Parameters Set-C (RTP: Byte Order, Alignment, and Time Format)	RFC 3550 Clause 4 Annex P2 of TEC/TC/DD/TCP-222/2.19/ March
143	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	RTP Parameters Set-C (RTP: Simple Multicast Audio Conference)	RFC 3550 Clause 2.1 Annex P2 of TEC/TC/DD/TCP-222/2.19/ March
144	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	SIP Parameters Set-C (SIP - Max Forwards (Not for SIPS URI))	RFC 3261 Clause 8.1.1.6 Annex P1 of TEC/TC/DD/TCP-222/2.19/ March
145	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	SIP Parameters Set-C (SIP - Message Body length (Not for SIPS URI))	RFC 3261 Clause 7.4.2 Annex P1 of TEC/TC/DD/TCP-222/2.19/ March
146	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	SIP Parameters Set-C (SIP - Responses (Not for SIPS URI))	RFC 3261 Clause 7.2 Annex P1 of TEC/TC/DD/TCP-222/2.19/ March
147	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC	TCP Parameters (Header Format and Sequence Numbers)	RFC 793 Clause 1.4, 2.3 Annex P4 of TEC/TC/DD/TCP-222/2.19/ March



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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
148	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch	SCTP Parameters Set-B (Transmission of DATA Chunks)	RFC 4960 Clause 6.1 Annex P9 of TEC/TC/DD/TCP-222/2.19/ March
149	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch	SCTP Parameters Set-B (Path Failure Detection)	RFC 4960 Clause 8.2 Annex P9 of TEC/TC/DD/TCP-222/2.19/ March
150	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch	SCTP Parameters Set-B (Path Management)	RFC 4960 Clause 1.5.7 Annex P9 of TEC/TC/DD/TCP-222/2.19/ March
151	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	SBC and Soft Switch	SCTP Parameters Set-B (User Data Fragmentation)	RFC 4960 Clause 1.5.3 Annex P9 of TEC/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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: Version and Port	RFC 3550 Clause 5.1 Annex P2 of (TEC/TC/DD/TCP-222/2.19/ March)
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: Payload Type	RFC 3550 Clause 5.1 Annex P2 of (TEC/TC/DD/TCP-222/2.19/ March)



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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: Sender report RTCP packet version	RFC 3550 Clause 6.4.1 Annex P2 of (TEC/TC/DD/TCP-222/2.19/ March):
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: Sequence number	RFC 3550 Clause 5.1 Annex P2 of (TEC/TC/DD/TCP-222/2.19/ March)
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: SSRC Identification	RFC 3550 Clause 5.1 Annex P2 of (TEC/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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/TC/DD/TCP-222/2.19/ March)
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)	Header: Hop Limit	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/TC/DD/TCP-222/2.19/ March)



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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: No next header after IPV6 Header	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/TC/DD/TCP-222/2.19/ March)
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: Payload Length	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/TC/DD/TCP-222/2.19/ March)
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: Source and Destination Address	RFC 2460/ 8200 Clause3 (Annexure P7 of TEC/TC/DD/TCP-222/2.19/ March)
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: Traffic Class	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/TC/DD/TCP-222/2.19/ March)
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: Version Field	RFC 2460/ 8200 Clause 3 (Annexure P7 of TEC/TC/DD/TCP-222/2.19/ March)
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)	IPv6 Extension Header Hop By Hop Options	RFC 2460/ 8200 Clause 4.3 (Annexure P7 of TEC/TC/DD/TCP-222/2.19/ March)
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 Order	RFC 2460/ 8200 Clause4.1 (Annexure P7 of TEC/TC/DD/TCP-222/2.19/ March)
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 Routing	RFC 2460/ 8200 Clause 4.4 (Annexure P7 of TEC/TC/DD/TCP-222/2.19/ March)
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)	Pv6 Extension Header Options	RFC 2460/ 8200 Clause4.2 (Annexure P7 of TEC/TC/DD/TCP-222/2.19/ March)
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, TEC 60012
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 60012:2023, TEC/IR/NGS/2MB-001/03 DEC.14



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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, TEC 60012
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 60012:2023, 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
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 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030:2023, TEC/IR/TX/PST-01/02.MAR 2015, TEC 79082
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 79082:2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
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/TX/PST-01/02.MAR 2015, TEC 79082:2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
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 79082:2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030



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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/TX/PST-01/02.MAR 2015, TEC 79082:2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
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 79082:2015, TEC/IR/SW/PBX-104/04/OCT-17, TEC 60012:2023, TEC/GR/SW/PBX-005/01/SEP-16, TEC 60030
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
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



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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
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



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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
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



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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
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 SDH interfaces	Receiver Overload	ITU-T G.957/ITU-T G.691



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232	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
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	Jitter/Wander Tolerance (STM-64 optical)	ITU-T G.783, ITU-T G.825
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	Mean Launch Power (STM-64 optical)	ITU-T G.691
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	Operating Wavelength (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	Output Jitter/Wander (STM-64 optical)	ITU-T G.783, ITU-T G.825
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	Receiver Sensitivity (STM-64 optical)	ITU-T G.691
238	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
239	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
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	Input Jitter Tolerance	ITU-T G.825
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 Return Loss	G.703
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	Output Jitter /Wander	ITU-T G.825



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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	Pulse Mask	ITU-T G.703
244	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
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 Slip (E1/2048 Kbps)	ITU-T G.822
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	Clock frequency / Bit Rate with accuracy (E1/2048 Kbps)	ITU-T G.703
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	Jitter/Wander Tolerance (E1/2048 Kbps)	ITU-T G.823, ITU-T G.732
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	Output Jitter/Wander (E1/2048 Kbps)	ITU-T G.823, ITU-T G.732
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	Pulse Shape /Characteristics (E1/2048 Kbps) (for amplitude)	ITU-T G.703
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	Return Loss (E1/2048 Kbps)	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	Wander Measurement / Time Interval Error (E1/2048 Kbps)	ITU-T G.823
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 34,368 kbps (E3) interface	Bit Error Rate (E3/34368 Kbps)	ITU-T G.821, ITU-T G.826
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	Clock frequency / Bit Rate with accuracy (E3/34368 Kbps)	ITU-T G.703



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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
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 / Nominal Bit Rate with accuracy (DS3/45 Mbps)	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	Jitter/Wander Tolerance (E3/34368 Kbps)	ITU-T G.823, ITU-T G.751
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	Output Jitter/Wander (E3/34368 Kbps)	ITU-T G.823, ITU-T G.732, 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	Pulse Shape / Characteristics (E3/34368 Kbps) (for amplitude)	ITU-T G.703
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 width)	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	Return Loss (E3/34368 Kbps)	ITU-T G.703
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 45 Mbps (DS3) interface	DC Power	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	Jitter/Wander Tolerance (DS3/45 Mbps)	ITU-T G.824
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	Output Jitter/Wander (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	Pulse Shape /Characteristics (DS3/45 Mbps) (for amplitude) - Width - Amplitude - Mask - Time	ITU-T G.703
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 width) - Width - Amplitude - Mask - Time	ITU-T G.703



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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
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 8Mbps (E2) interface	Input Jitter tolerance	ITU-T G.823
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 return loss	ITU-T G.703
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	Nominal Bit rate with tolerance	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	Output Jitter	ITU-T G.823
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	Pulse Mask	ITU-T G.703
270	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 (Clause no. 3.2, Clause no.2.5.1.2, Clause no. 2.3.4, Clause no. 2.3.5), RFC 4213 (Clause 2.1), RFC 792, RFC 826 RFC 2960/RFC 4960, RFC 3551
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, IP Security Equipment and similar telecom products with Ethernet Electrical interfaces	Auto Negotiation	IEEE 802.3
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	Duplex (Full or half)	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	Frame Loss	IEEE 802.3/RFC 2544
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	Latency	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	Link speed test	IEEE 802.3



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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	Throughput	IEEE 802.3/RFC 2544, G.984.1, G.987.1, G.9807.1, G.989.2 G
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 Optical Ethernet Interfaces	Operating Wavelength	IEEE 802.3
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	Optical Output Power	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	Receiver Sensitivity	IEEE 802.3
280	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
281	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Jitter Tolerance	ITU-T G.8251
282	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
283	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
284	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Nominal Bit Rate	G.709
285	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Output Jitter	ITU-T G.8251
286	ELECTRONICS-TELECOMMUNICATION EQUIPMENT (FOR TEC CAB DESIGNATION)	Transmission Products and similar telecom products with OTU interfaces	Receiver Overload	TU-T G.959.1/ ITU-T G.693/ ITU-T G.695



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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
287	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
288	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, TEC 58022