



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

CRITERION NETWORK LABS, CRITERION NETWORKS INDIA PRIVATE LIMITED, UNIT#3
GROUND FLOOR, EXPLORER BUILDING, WHITEFIELD, BENGALURU, KARNATAKA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5490

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Validity

23/05/2022 to 22/05/2024

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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
Permanent Facility				
1	ELECTRONICS- IT EQUIPMENT	Mobile Handset or IPv6 Host	Test v6LC.1.1.1 Test v6LC 1.1.2 Test v6LC 1.1.4 Test v6LC 1.1.5 Part-A,B Test v6LC 1.1.6 Part-A Test v6LC 1.1.7 Part-A,B Test v6LC 1.1.8 Test v6LC 1.2.1 Test v6LC 1.2.2 Part-A Test v6LC 1.2.3 Part- A,B Test v6LC.1.2.4 Part-A,B,C,D Test v6LC.1.2.5 Part- A,B,C Test v6LC.1.2.6 Part-A, B, C, D, E, F, G, H Test v6LC.1.2.8 Part-A, B, C, D, E, F, G, H Test v6LC.1.2.9 Part-A, B Test v6LC.1.2.10 Part-A, B	RFC 2460/8200: IPv6 Ready Core Protocols Test Specification Revision 5.0.0
2	ELECTRONICS- IT EQUIPMENT	Switch	Spanning Tree Protocol Tests (Root Bridge election and Port Blocking)	Annexure P11 in ANNEXURES TO ERs No.: TEC/SD/DD/TCP-222/2.3/Nov19
3	ELECTRONICS- IT EQUIPMENT	IPv6 core protocols	Test V6LC 5.1.2 Part -A,B,C,D,G Test V6LC 5.1.8 Test V6LC 5.1.10 Part- A,B Test v6LC5.1.11 Part A,B,C,D Test v6LC5.1.12 Part A,B,C,D Test v6LC5.1.13 Part A,B,C,D	ICMPv6 (RFC 4443), IPV6 - Revision 4.0.7
4	ELECTRONICS- IT EQUIPMENT	IPv6 core protocols	V6LC.2.1.7 Part -D Test V6LC.2.1.15 Part B Test V6LC.2.2.4 Part -A Test V6LC.2.2.5 Test V6LC.2.2.6 Part -A, B ,Self_Test_5.0.1 Test V6LC2.1.1- 2.3.17 (Part A - Part R)	IPV6 -Revision 4.0.7, IPV6 (RFC 4861)
5	ELECTRONICS- IT EQUIPMENT	Switch	Technical Requirements Clause 2.3.1 - Mac learning & Packet forwarding	Test No. 2, Annexure-I of TEC/ER/IT/LSW-001/01/AUG 2018, Test No 2-4 of Annexure-I of TEC/LR/IT/LSW-001/01/AUG2018
6	ELECTRONICS- IT EQUIPMENT	Electronic Products with IPv4 support	IPv4 Parameters SET-A, SET-B and SET-C	RFC 791
7	ELECTRONICS- IT EQUIPMENT	Electronic Products with TCP support	Header Format and Sequence Numbers	RFC 793
8	ELECTRONICS- IT EQUIPMENT	IP Security Equipment	IDS Functional Tests - Test No.23 and 24	Annexure P11 as per TEC Essential Requirements ER No.: TEC34731911 for IP Security Equipment



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9	ELECTRONICS- IT EQUIPMENT	IP Security Equipment	IPS Functional Tests - Test No. 25 and 26	Annexure P11 as per TEC Essential Requirements ER No.: TEC34731911 for IP Security Equipment
10	ELECTRONICS- IT EQUIPMENT	IP Security Equipment	IPSec Functional Test	Annexure P11 as per TEC Essential Requirements ER No.: TEC34731911 for IP Security Equipment
11	ELECTRONICS- IT EQUIPMENT	IP Security Equipment	NAT Functional Tests - Test No. 20 and 21	Annexure P11 as per TEC Essential Requirements ER No.: TEC34731911 for IP Security Equipment
12	ELECTRONICS- IT EQUIPMENT	IP Security Equipment	Policy Functional Test	Annexure P11as per TEC Essential Requirements ER No.: TEC34731911 for IP Security Equipment
13	ELECTRONICS- IT EQUIPMENT	IP Security Equipment	UTM URL, Content & Anti-Virus Filtering Functional Tests - Test No. 27, 28 and 29	Annexure P11 as per TEC Essential Requirements ER No.: TEC34731911 for IP Security Equipment
14	ELECTRONICS- IT EQUIPMENT	IPv6 core protocols	Test V6LC.1.2.4 Part A,B,C,D Test V6LC.1.2.5 Part A,B,C Test V6LC.1.2.6 Part D,E,F,G,H Test V6LC.1.2.7 Part D,E,F,G,H Test V6LC.1.2.8 Part D,E,F,G,H Test V6LC.1.2.9 Part -A,B ,Self_Test_5.0.1 Test V6LC1.1.1 -1.3.4 (Part A - Part K)	IPv6 Specification (RFC2460)
15	ELECTRONICS- IT EQUIPMENT	IPv6 Core protocols	Test V6LC 3.1.2 Part -B,D Test V6LC 3.1.3 Part -B,C,G,I Test V6LC 3.1.4 Part -B ,Self_Test_5.0.1 Test V6LC3.1.1- 3.2.1 (Part A - Part J)	IPv6-Revision 4.0.7 IPv6 ,(RFC 4862)
16	ELECTRONICS- IT EQUIPMENT	IPv6 Core Protocols (Ready test specification core protocols-)	Test V6LC 4.1.6 Part -A, B	IPV6Revision 4.0.7 Path, IPV6 (RFC 1981) ,Self_Test_5.0.1 Test V6LC4.1.1- 4.1.11 (Part A - Part C)
17	ELECTRONICS- IT EQUIPMENT	IPv6 Host & Router	Functional	NIST SP 500-281Br1 - A2
18	ELECTRONICS- IT EQUIPMENT	IPv6 Host & Router	Interoperability	NIST SP 500-281Br1 - I1-Core, I2-SLAAC, I5-Addr-Arch
19	ELECTRONICS- IT EQUIPMENT	IPv6 Host & Router	Conformance	NIST SP 500-281Br1 - F1-Core, F2-SLAAC, F5-Addr-Arch



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20	ELECTRONICS- IT EQUIPMENT	Mobile Handset	Mobile device - Non-Zero IMEI/MEID/ESN	Annexure-M in ANNEXURES TO ERs No.: TEC/SD/DD/TCP-222/2.3/Nov19
21	ELECTRONICS- IT EQUIPMENT	Mobile Handset	Mobile Device Indian Language Support	Annexure-M in ANNEXURES TO ERs No.: TEC/SD/DD/TCP-222/2.3/Nov19
22	ELECTRONICS- IT EQUIPMENT	Mobile Handset	Mobile Emergency Support - Call on 112	Annexure-M in ANNEXURES TO ERs No.: TEC/SD/DD/TCP-222/2.3/Nov19
23	ELECTRONICS- IT EQUIPMENT	Mobile Handset	SAR Display for Mobile Handset	Annexure-M in ANNEXURES TO ERs No.: TEC/SD/DD/TCP-222/2.3/Nov19
24	ELECTRONICS- IT EQUIPMENT	Mobile Handset - Smart Phone	Mobile Emergency Support - Panic Button	Annexure-M in ANNEXURES TO ERs No.: TEC/SD/DD/TCP-222/2.3/Nov19
25	ELECTRONICS- IT EQUIPMENT	Mobile handset -Feature Phone	Mobile Emergency Support - Panic Button	Annexure M in ANNEXURES TO ERs No.: TEC/SD/DD/TCP-222/2.3/Nov19
26	ELECTRONICS- IT EQUIPMENT	Mobile Handset -Smart Phone	Mobile Emergency Support - GPS Location	Annexure-M in ANNEXURES TO ERs No.: TEC/SD/DD/TCP-222/2.3/Nov19
27	ELECTRONICS- IT EQUIPMENT	Product with UDP support	UDP Format, User Terminology, Sequence numbers	RFC 768
28	ELECTRONICS- IT EQUIPMENT	Products supporting PPPoE functionality	PPPoE	RFC2516 as per TEC Essential Requirements ER No.: TEC37681911
29	ELECTRONICS- IT EQUIPMENT	Products supporting Radius functionality	Radius	RFC2865 as per TEC Essential Requirements ER No.: TEC37681911
30	ELECTRONICS- IT EQUIPMENT	Products with 1 Gigabit Optical Ethernet Interface	Average Launch power for 1 GE Opt interface	IEEE 802.3z Cl. 38
31	ELECTRONICS- IT EQUIPMENT	Products with 1 Gigabit Optical Ethernet Interface	Receiver Sensitivity for 1 GE Opt Interface	IEEE 802.3z Cl. 38
32	ELECTRONICS- IT EQUIPMENT	Products with 1 Gigabit Optical Ethernet Interface	Wavelength for 1 GE Opt interface	IEEE 802.3z Cl. 38
33	ELECTRONICS- IT EQUIPMENT	Products with 10 Gigabit Optical Ethernet interface	Average Launch power for 10 GE Opt interface	IEEE 802.3ae Cl. 52
34	ELECTRONICS- IT EQUIPMENT	Products with 10 Gigabit Optical Ethernet interface	Receiver Sensitivity for 10GE Interface	IEEE 802.3ae Cl. 52



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35	ELECTRONICS- IT EQUIPMENT	Products with 10 Gigabit Optical Ethernet interface	Wavelength for 10GE Interface	IEEE 802.3ae Cl. 52
36	ELECTRONICS- IT EQUIPMENT	Products with Dual IP layer operation: Address Configuration support	Dual IP Layer Operation: Address	RFC 4213
37	ELECTRONICS- IT EQUIPMENT	Products with Dual IP layer operation: DNS	Dual IP Layer operation:DNS	RFC 4213
38	ELECTRONICS- IT EQUIPMENT	Products with Dual IP layer operation: Tunnelling	Dual IP layer operation: Tunneling	RFC 4213
39	ELECTRONICS- IT EQUIPMENT	Products with SNMP support	Manageability SNMP V2 and V3	RFC 3410 and RFC 3416 as per TEC Essential Requirements ER No.: TEC37681911
40	ELECTRONICS- IT EQUIPMENT	Router	10/100 Ethernet interface Link Speed and Auto negotiation Test FE	IEEE 802.3, Annex-H as per TEC Essential Requirements ER No.: TEC37681911
41	ELECTRONICS- IT EQUIPMENT	Router	10/100/1000 Ethernet interface Link Speed and Auto negotiation Test GE	IEEE 802.3, Annex-H as per TEC Essential Requirements ER No.: TEC37681911
42	ELECTRONICS- IT EQUIPMENT	Router	Conformance Testing of BGP for IPv6	BGP for IPv6: RFC 2545
43	ELECTRONICS- IT EQUIPMENT	Router	Conformance Testing of BGP4 and MBGP	BGP4:RFC4271, MBGP4:RFC4760
44	ELECTRONICS- IT EQUIPMENT	Router	Conformance Testing of LDP	RFC 5036
45	ELECTRONICS- IT EQUIPMENT	Router	Conformance tests for OSPF v3 of ANNEXURE I of TEC/ER/IT/TCP-01/01/AUG2018, Section 3.1.3 to 3.4.3.1 of RFC 2740 -OSPFv3, as mentioned in Annexure of TEC/ER/IT/TCP-01/01/AUG2018	Clause 2.1.2(iii) Routing protocols - OSPF for IPv6 per RFC 2740
46	ELECTRONICS- IT EQUIPMENT	Router	Conformance Tests OSPFv2 , Annexure I TEC/ER/IT/TCP-03/01/AUG 2018 , Sections 8.1 to 13.5 of RFC 2328- OSPFv2, as mentioned in Annexure 1 of TEC/ER/IT/TCP- 03/01/AUG 2018	Routing Protocols- OSPF as per RFC 2328,Clause 2.1.2 (iii)
47	ELECTRONICS- IT EQUIPMENT	Router	Dynamic Routing	Annex-P11 as per TEC Essential Requirements ER No.: TEC37681911



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48	ELECTRONICS- IT EQUIPMENT	Router	IPv4 Parameters Set-D	RFC 791 as prescribed in TEC Essential Requirements ER No.: TEC37681911
49	ELECTRONICS- IT EQUIPMENT	Router	Static Routing	Annex-P11 as per TEC Essential Requirements ER No.: TEC37681911
50	ELECTRONICS- IT EQUIPMENT	Router	TCP Parameters	RFC 793 as prescribed in TEC Essential Requirements ER No.: TEC37681911
51	ELECTRONICS- IT EQUIPMENT	Router	Test No 1, of ANNEXUE II of TEC/ER/IT/TCP-01/01/AUG2018, Test No 1-7 of Annexure II TEC/ER/IT/TCP-01/01/AUG2018	Clause 2.1.3(ii) Interfaces -10/100/1000 Base tx Ethernet Electrical as per 802.3
52	ELECTRONICS- IT EQUIPMENT	Router	Test No 1, of ANNEXUE II of TEC/ER/IT/TCP-01/01/AUG2018, Test No 1-7 of Annexure II TEC/ER/IT/TCP-01/01/AUG2018	Clause 2.1.3(i) Interfaces -10/100 Base tx Ethernet Electrical as per 802.3
53	ELECTRONICS- IT EQUIPMENT	Router	Test No 2, of ANNEXUE II of TEC/ER/IT/TCP-01/01/AUG2018 ,Test No 1-7 of Annexure II TEC/ER/IT/TCP-01/01/AUG2018	Clause 2.1.1(i) Network protocols - IP version4
54	ELECTRONICS- IT EQUIPMENT	Router	Test No 5, of ANNEXUE II of TEC/ER/IT/TCP-01/01/AUG2018, Test No 1-7 of Annexure II TEC/ER/IT/TCP-01/01/AUG2018	Technical Requirements Clause 2.1.2(ii) Routing protocols - Dynamic routing
55	ELECTRONICS- IT EQUIPMENT	Router	Test No 6, of ANNEXUE II of TEC/ER/IT/TCP-01/01/AUG2018, Test No 1-7 of Annexure II TEC/ER/IT/TCP-01/01/AUG2018	Clause 2.1.2(i) Routing protocols - Static routing
56	ELECTRONICS- IT EQUIPMENT	Router	Test No 7, of ANNEXUE II of TEC/ER/IT/TCP-01/01/AUG2018, Test No 1-7 of Annexure II TEC/ER/IT/TCP-01/01/AUG2018	Clause 2.1.1(iii) Network protocols - TCP as per IETF RFC793
57	ELECTRONICS- IT EQUIPMENT	Router	Test No. 3 and 4, Annexure-II of TEC/ER/IT/TCP-01/01/AUG 2018,Test No. 1 to 7, Annexure II of TEC/ER/IT/TCP- 01/01/AUG 2018	Clause 2.3 Manageability -SNMP ver2 or ver3 as per RFC 3410, RFC 3416
58	ELECTRONICS- IT EQUIPMENT	Switch	Clause 2.3.2 - Spanning Tree protocol as per IEEE 802.1d,Test No. 2 to 4 of Annexure-I of TEC/ER/IT/LSW-001/01/AUG2018	Test No. 3 and 4, Annexure-I of TEC/ER/IT/LSW- 001/01



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59	ELECTRONICS- IT EQUIPMENT	Switch	Mac learning and Packet forwarding	Annexure P11 in ANNEXURES TO ERs No.: TEC/SD/DD/TCP-222/2.3/Nov19

