

अनिवार्य आवश्यकताएँ

संख्या : TEC67222606

Essential Requirements

ER No. : TEC67222606

Session Border Controller

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दूरसंचार अभियांत्रिकी केंद्र

भारत सरकार

खुरशीद लाल भवन, जनपथ, नई दिल्ली - 110001, भारत

Telecommunication Engineering Centre

Government of India

Khurshid Lal Bhawan, Janpath, New Delhi-110001, INDIA

Essential Requirements for:

Session Border Controller

Certification Scheme: **SCS**

Product Fee Group: **C**

This ER covers all types of Session Border Controllers

Note: Annexures referred to in this ER are Annexures as mentioned in "Annexures to ERs" No. TEC/SD/DD/TCP-222/02/June19 as updated from time to time and available on MTCTE portal.

This product has the following variants:

1. Session Border Controller

1. Variant 1 : Session Border Controller

1.1 Parameters Linked with Product Variant

S.No.	Parameter Name	Standard Name
1.1.1	Conducted And Radiated Emission - Class A	TEC EMI EMC Standard CISPR 32 EN550

		32. Annex-B
1.1.2	Dual IP Layer Operation RFC 4213 - Address	RFC 4213 Cl. 2.1. Annex-P6
1.1.3	Dual IP Layer Operation RFC 4213 - DNS	RFC 4213 Cl. 2.1. Annex-P6
1.1.4	Immunity to AC Voltage Dips and Short Interruptions	TEC EMI EMC Standard EN/IEC:61000-4-11. Annex-B
1.1.5	Immunity to DC Voltage Dips and Short Interruptions	EN/IEC:61000-4-29. Annex-B
1.1.6	Immunity to Electrostatic Discharge	TEC EMI EMC Standard EN/IEC:61000-4-2. Annex-B
1.1.7	Immunity to Fast Transients (Burst)	TEC EMI EMC Standard EN/IEC:61000-4-4. Annex-B
1.1.8	Immunity to Radiated RF	TEC EMI EMC Standard EN/IEC:61000-4-3. Annex-B
1.1.9	Immunity to RF Field Induced Conducted Disturbance	TEC EMI EMC Standard EN/IEC:61000-4-6. Annex-B
1.1.10	Immunity to Surges	TEC EMI EMC Standard EN/IEC:61000-4-5. Annex-B
1.1.11	IPV4 Parameters Set-B	RFC 791. Annex-P6
1.1.12	IPV6 Header Parameters	RFC 2460 / RFC 8200 . Annex-P7
1.1.13	IT Equipment Safety	IS 13252-1 or IEC:60950-1 or IEC 62368-1. Annex-A1
1.1.14	RTCP Parameters RFC 3551 Set-B	RFC 3551. Annex-P3
1.1.15	RTP Parameters RFC 3550 Set-C	RFC 3550. Annex-P2
1.1.16	SCTP Parameters Set-B	RFC 4960. Annex-P9
1.1.17	SIP Parameters Set-C	RFC 3261. Annex-P1
1.1.18	TCP Parameter- SBC	RFC 793 Clauses 1.4, 2.3 and 3.1 Annex-P4
1.1.19	UDP Parameters	RFC 768. Annex-P5

1.2 Interface 1 : 10 100 1000 BASE-T Ethernet

S.No.	Parameter Name	Standard Name
1.2.1	Link Speed and Autonegotiation Test GE	IEEE 802.3. Annex-H

1.3 Interface 2 : 10 100 BASE-T Ethernet

S.No.	Parameter Name	Standard Name
1.3.1	Link Speed and Autonegotiation Test FE	IEEE 802.3 Annex-H

1.4 Interface 3 : 10 G Optical Ethernet

S.No.	Parameter Name	Standard Name
1.4.1	Average Launch power for 10 GE Opt	IEEE 802.3ae Cl. 52. Annex-H
1.4.2	Receiver Sensitivity 10 GE Opt	IEEE 802.3ae Cl. 52. Annex-H
1.4.3	Wavelength for 10 GE Opt	IEEE 802.3ae Cl. 52. Annex-H

1.5 Interface 4 : 1 G Optical Ethernet

S.No.	Parameter Name	Standard Name
1.5.1	Average Launch power for 1 GE Opt	IEEE 802.3z Cl. 38. Annex-H
1.5.2	Receiver Sensitivity 1 GE Opt	IEEE 802.3z Cl. 38. Annex-H
1.5.3	Wavelength for 1 GE Opt	IEEE 802.3z Cl. 38. Annex-H