

अनिवार्य आवश्यकताएँ

संख्या : TEC67792003

Essential Requirements

ER No. : TEC67792003

Softswitch

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MTCTE के तहत जारी:

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Government of India

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Essential Requirements for:

Softswitch

Certification Scheme: **GCS**

Product Fee Group: **C**

This ER covers all types of Softswitches

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. Softswitch

1. Variant 1 : Softswitch

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 22/32 EN55022/32. Annex-B
1.1.2	Immunity to Electrostatic Discharge	TEC EMI EMC Standard EN/IEC:61000-4-2. Annex-B
1.1.3	Immunity to Radiated RF	TEC EMI EMC Standard EN/IEC:61000-4-3. Annex-B
1.1.4	Immunity to Fast Transients (Burst)	TEC EMI EMC Standard EN/IEC:61000-4-4. Annex-B
1.1.5	Immunity to Surges	TEC EMI EMC Standard EN/IEC:61000-4-5. Annex-B
1.1.6	Immunity to RF Field Induced Conducted Disturbance	TEC EMI EMC Standard EN/IEC:61000-4-6. Annex-B
1.1.7	Immunity to AC Voltage Dips and Short	TEC EMI EMC Standard EN/IEC:61000-4-

	Interruptions	11. Annex-B
1.1.8	Immunity to DC Voltage Dips and Short Interruptions	EN/IEC:61000-4-29. Annex-B
1.1.9	IT Equipment Safety	IS 13252-1 or IEC:60950-1 or IEC 62368-1. Annex-A1
1.1.10	CDR Test Parameter	Functional Test only.
1.1.11	IPV4 Parameters Set-C	RFC 791. Annex-P6
1.1.12	M3UA Parameters	RFC 3332. Annex-P10
1.1.13	MGCP Connection Model	H.248 Cl. 6. Annex-P5
1.1.14	SCTP Parameters Set-B	RFC 4960. Annex-P9
1.1.15	SIP Parameters Set-D	RFC 3261. Annex-P1
1.1.16	SIP-I Parameters	Q1912.5. Annex-P1
1.1.17	UDP Parameters	RFC 768. Annex-P5
1.1.18	DTMF Parameters Set-B	RFC 4733. Annex-P8

1.2 Interface 1 : 1 G Optical Ethernet

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

1.3 Interface 2 : 10 100 1000 BASE-T Ethernet

S.No.	Parameter Name	Standard Name
1.3.1	Link Speed and Autonegotiation Test GE	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