

**अनिवार्य आवश्यकताएँ**

**संख्या : TEC40112111**

**Essential Requirements**

**ER No. : TEC40112111**

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**SCP**

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MTCTE के तहत जारी:

Issued under MTCTE by:

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**Telecommunication Engineering Centre**

**Government of India**

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

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## Essential Requirements for:

### SCP

Certification Scheme: **GCS**

Product Fee Group: **C**

This document lays down the Essential Requirements under MTCTE notified by GoI vide Gazette Notification No. G.S.R. 113 (E) dated 05-09-2017 for Service Control Point (SCP) to be used in Indian Telecom Network.

*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. SCP

#### 1. Variant 1 : SCP

##### 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	Dual IP Layer Operation RFC 4213 - DNS	RFC 4213 Cl. 2.1 and 2.2. Annex-P6
1.1.3	Immunity to AC Voltage Dips and Short Interruptions	TEC EMI EMC Standard EN/IEC:61000-4-11. Annex-B
1.1.4	Immunity to Electrostatic Discharge	TEC EMI EMC Standard EN/IEC:61000-4-2. Annex-B
1.1.5	Immunity to Fast Transients (Burst)	TEC EMI EMC Standard EN/IEC:61000-4-4. Annex-B
1.1.6	Immunity to Radiated RF	TEC EMI EMC Standard EN/IEC:61000-4-3. Annex-B
1.1.7	Immunity to RF Field Induced Conducted Disturbance	TEC EMI EMC Standard EN/IEC:61000-4-6. Annex-B

1.1.8	Immunity to Surges	TEC EMI EMC Standard EN/IEC:61000-4-5. Annex-B
1.1.9	IPV6 Extn Header Parameters	RFC 2460 or RFC 8200 . Annex-P7
1.1.10	IPV6 Header Parameters	RFC 2460 / RFC 8200 . Annex-P7
1.1.11	IT Equipment Safety	IS 13252-1 or IEC:60950-1 or IEC 62368-1. Annex-A1
1.1.12	Numbering Addressing and identification	3GPP TS 23.003

### 1.2 Interface 1 : CAP based interface towards IN-SCP

S.No.	Parameter Name	Standard Name
1.2.1	Interface Management Procedures (CAP based interface towards IN-SCP)	3GPP TS 23.078 3GPP TS 29.078
1.2.2	Subscriber Charging Procedures for Call	3GPP TS 29.078

### 1.3 Interface 2 : SCP-HLR

S.No.	Parameter Name	Standard Name
1.3.1	Interface Management Procedures(SCP-HLR)	3GPP TS 29.002
1.3.2	Subscriber data management related procedures(SCP-HLR)	3GPP TS 29.002