

अनिवार्य आवश्यकताएँ

संख्या : TEC40172112

Essential Requirements

ER No. : TEC40172112

SMLC/eSMLC

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MTCTE के तहत जारी:

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Essential Requirements for:

SMLC/eSMLC

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 SMLC/eSMLC 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. eSMLC for LTE
2. SMLC for GSM
3. SMLC for WCDMA

1. Variant 1 : eSMLC for LTE

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 AC Voltage Dips and Short Interruptions	TEC EMI EMC Standard EN/IEC:61000-4-11. Annex-B
1.1.3	Immunity to Electrostatic Discharge	TEC EMI EMC Standard EN/IEC:61000-4-2. 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 Radiated RF	TEC EMI EMC Standard EN/IEC:61000-4-3. 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 Surges	TEC EMI EMC Standard EN/IEC:61000-4-5. Annex-B
1.1.8	IT Equipment Safety	IS 13252-1 or IEC:60950-1 or IEC 62368-1. Annex-A1
1.1.9	Numbering Addressing and identification	3GPP TS 23.003

1.2 Interface 1 : SLm

S.No.	Parameter Name	Standard Name
1.2.1	Interface Management Procedures(SLm)	3GPP TS 36.459
1.2.2	Location Services Procedures(SLm)	3GPP TS 36.459

1.3 Interface 2 : SLS

S.No.	Parameter Name	Standard Name
1.3.1	Interface Management Procedures (SLS Interface)	3GPP TS 29.1713GPP TS 23.271
1.3.2	Location Services Procedures (SLS Interface)	3GPP TS 29.1713GPP TS 23.271

2. Variant 2 : SMLC for GSM

2.1 Parameters Linked with Product Variant

S.No.	Parameter Name	Standard Name
2.1.1	Conducted And Radiated Emission - Class A	TEC EMI EMC Standard CISPR 22/32 EN55022/32. Annex-B
2.1.2	Immunity to AC Voltage Dips and Short Interruptions	TEC EMI EMC Standard EN/IEC:61000-4-11. Annex-B
2.1.3	Immunity to Electrostatic Discharge	TEC EMI EMC Standard EN/IEC:61000-4-2. Annex-B
2.1.4	Immunity to Fast Transients (Burst)	TEC EMI EMC Standard EN/IEC:61000-4-4. Annex-B
2.1.5	Immunity to Radiated RF	TEC EMI EMC Standard EN/IEC:61000-4-3. Annex-B

2.1.6	Immunity to RF Field Induced Conducted Disturbance	TEC EMI EMC Standard EN/IEC:61000-4-6. Annex-B
2.1.7	Immunity to Surges	TEC EMI EMC Standard EN/IEC:61000-4-5. Annex-B
2.1.8	IT Equipment Safety	IS 13252-1 or IEC:60950-1 or IEC 62368-1. Annex-A1
2.1.9	Numbering Addressing and identification	3GPP TS 23.003

2.2 Interface 1 : Lb

S.No.	Parameter Name	Standard Name
2.2.1	Interface Management Procedures (Lb)	3GPP TS 49.031 3GPP TS 48.071
2.2.2	Location Services Procedures (Lb)	3GPP TS 49.031 3GPP TS 48.071

3. Variant 3 : SMLC for WCDMA

3.1 Parameters Linked with Product Variant

S.No.	Parameter Name	Standard Name
3.1.1	Conducted And Radiated Emission - Class A	TEC EMI EMC Standard CISPR 22/32 EN55022/32. Annex-B
3.1.2	Immunity to AC Voltage Dips and Short Interruptions	TEC EMI EMC Standard EN/IEC:61000-4-11. Annex-B
3.1.3	Immunity to Electrostatic Discharge	TEC EMI EMC Standard EN/IEC:61000-4-2. Annex-B
3.1.4	Immunity to Fast Transients (Burst)	TEC EMI EMC Standard EN/IEC:61000-4-4. Annex-B
3.1.5	Immunity to Radiated RF	TEC EMI EMC Standard EN/IEC:61000-4-3. Annex-B
3.1.6	Immunity to RF Field Induced Conducted Disturbance	TEC EMI EMC Standard EN/IEC:61000-4-6. Annex-B
3.1.7	Immunity to Surges	TEC EMI EMC Standard EN/IEC:61000-4-5. Annex-B
3.1.8	IT Equipment Safety	IS 13252-1 or IEC:60950-1 or IEC 62368-1. Annex-A1
3.1.9	Numbering Addressing and identification	3GPP TS 23.003

3.2 Interface 1 : IuPC

S.No.	Parameter Name	Standard Name
3.2.1	Interface Management Procedures (IuPC)	3GPP TS 25.453 3GPP TS 25.450 3GPP TS 25.305
3.2.2	Location Services Procedures(IuPC)	3GPP TS 25.453 3GPP TS 25.450 3GPP TS 25.305