

अनिवार्य आवश्यकताएँ

संख्या : TEC40152111

Essential Requirements

ER No. : TEC40152111

EIR

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MTCTE के तहत जारी:

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Government of India

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Essential Requirements for:

EIR

Certification Scheme: **GCS**

Product Fee Group: **C**

This document lays down the Essential Requirements under the MTCTE in accordance with GoI Gazette Notification No. G.S.R. 1131(E), dated 05-09-2017, for EIR 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. EIR for GSM or WCDMA
2. EIR for LTE

1. Variant 1 : EIR for GSM or WCDMA

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 : EIR-MSC or SGSN

S.No.	Parameter Name	Standard Name
1.2.1	Equipment Authentication Management Procedures(EIR-MSC or SGSN)	3GPP TS 29.002
1.2.2	Interface Management Procedures(EIR-MSC or SGSN)	3GPP TS 29.002

1.3 Interface 2 : Mangament Interface

S.No.	Parameter Name	Standard Name
1.3.1	Configuration Faults Performance Management Procedures	3GPP TS 32.426
1.3.2	Subscriber data management(EIR Management Interface)	3GPP TS 32.426

2. Variant 2 : EIR for LTE

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 : Mangament Interface

S.No.	Parameter Name	Standard Name
2.2.1	Configuration Faults Performance Management Procedures	3GPP TS 32.426
2.2.2	Subscriber data management(EIR Management Interface)	3GPP TS 32.426

2.3 Interface 2 : S13

S.No.	Parameter Name	Standard Name
2.3.1	Equipment Identity Procedures	3GPP TS 29.272
2.3.2	Interface Management Procedures (S13 - Diameter based interface towards EIR)	3GPP TS 29.272