

अनिवार्य आवश्यकताएँ

संख्या : TEC40032111

Essential Requirements

ER No. : TEC40032111

Cell Broadcast Centre

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MTCTE के तहत जारी:

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Essential Requirements for:

Cell Broadcast Centre

Certification Scheme: **GCS**

Product Fee Group: **C**

This document lays down the Essential Requirements under MTCTE notified by GoI Gazette Notification No. G.S.R. 113 (E) dated 05-09-2017 for Cell Broadcast Centre (CBC) 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. CBC for LTE or LTE-A
2. CBC for GSM
3. CBC For UMTS

1. Variant 1 : CBC for LTE or LTE-A

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 : Interface towards CBC

S.No.	Parameter Name	Standard Name
1.2.1	Cell Broadcast Procedures	3GPP TS 29.168
1.2.2	Interface Management Procedures (Interface towards CBC)	3GPP TS 29.168

2. Variant 2 : CBC 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	Numbering Addressing and identification	3GPP TS 23.003

2.2 Interface 1 : CBC-BSC

S.No.	Parameter Name	Standard Name
2.2.1	Cell broadcast procedures(CBC-BSC)	3GPP TS 48.049 or 3GPP TS 23.041
2.2.2	Cell broadcast procedures(CBC-BSC)	3GPP TS 48.049 or 3GPP TS 23.041
2.2.3	Interface management procedures(CBC-BSC)	3GPP TS 48.049 or 3GPP TS 23.041
2.2.4	Interface management procedures(CBC-BSC)	3GPP TS 48.049 or 3GPP TS 23.041

3. Variant 3 : CBC For UMTS

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 : IuBc

S.No.	Parameter Name	Standard Name
3.2.1	Cell broadcast procedures(IuBc)	3GPP TS 48.049
3.2.2	Interface management procedures(IuBc)	3GPP TS 48.049