

Government of India
Department of Telecommunications
Telecommunications Engineering Centre
Khurshid Lal Bhawan, New Delhi-110001

No. 5-5/2024-TC/TEC

Dated: 01.07.2024

Notification

Subject: Exemption pertaining to various parameters/ Interfaces of ERs under MTCTE-reg.

A generic exemption from submission of test reports for below mentioned test parameters/ Interfaces pertaining to various ERs under MTCTE has been extended upto 31.12.2024 or till further orders.

S. No.	Product /ER Variant	Parameters/Interfaces Name (as per ER)	Standard Name (as per ER)	Remarks
1.	Mobile Radio Trunking System	Frequency Band for MRTS	NFAP, Anne-C1	Exempted for - ETSI EN 300 390, ETSI EN 300 296, ETSI EN 300 341 & ETSI EN 302 561
		Conformance to standards for MRTS	ETSI EN 300 xxx i.e. 300-086/ 219/113 / 390/296/341 ETSI EN 301 xxx i.e. 301-166 ETSI EN 302 xxx i.e. 302-561 Annex C3	
		Max RF Power Output for MRTS Base Stn	As per DoT/WPC license conditions, Annex C2	
2.	Repeater for Cellular Network	GSM Repeater Station Operating Frequency	NFAP. Annex-F	Exempted
		GSM Repeater Station Parameters	3GPP TS 51.026 and TS 45.005. Annex-F6	
		WCDMA Repeater Station Parameters	3GPP TS 25.143. Annex-F7	
		WCDMA Repeater Station Operating Frequency	NFAP. Annex-F	
		LTE Repeater Station Operating Frequency	NFAP. Annex-F	
		LTE Repeater Station Parameter	3GPP TS 36.143. Annex-F8	
3.	Precision Timing Protocol Grand Master Equipment	Max Peak Voltage for 10 MHz Interface	G.703 Annex-I	Exempted
		Min Peak Voltage for 10 MHz Interface	G.703 Annex-I	
		Profile for frequency synchronisation	Annex-P11	
		Profile for time and phase synchronisation with full timing support	Annex-P11	
		Profile for time and phase synchronisation with partial timing support	Annex-P11	
		Pulse Shape for 10 MHz Interface	G.703 Annex-I	

		Pulse Width for 1 PPS Interface	G.703 Annex-I	
		Rise Time for 1 PPS Interface	G.703 Annex-I	
4.	VHF UHF Radio System Equipment	Frequency for VHF or UHF equipment	NFAP. Annex-C1	Exempted for - ETSI EN 300 390, ETSI EN 300 296, ETSI EN 300 341, ETSI EN 300 698, ETSI EN 300 783, ETSI EN 300 720, ETSI EN 301 925, ETSI EN 301 178.
		Conformance to standards for VHF or UHF Radio Systems	ETSI EN 300xxx i.e. 300-113/ 086/219/390/296/341/698/783/720 ETSI SN 301-xxx i.e.301- 783/ 925/178 Annex-C3	
		Max Transmit Power for VHF or UHF HH Stn	As per DoT/WPC license conditions. AnnexC2	
5.	Radio Broadcast Receiver	Frequency of operation for Radio Broadcast Receiver	Annexure-R-A1 Freq (In annexure to ER of Radio Broadcast Receiver)	Exempted
6.	ADSLx	Bit Rate for ADSLx Int	Annex-J1	Exempted
		Impulse Noise Protection for ADSL Int	Annex-J1	
		Insulation Test for ADSL Int	Annex-J1	
		Line Port impedance for ADSLx Int	Annex-J1	
		Loop resistance for ADSLx	ETSI EN 300 001. Annex-J1	
		PSD for ADSLx Int	Annex-J1	
		Transmitted Power At ATU-C for ADSLx Int	Annex-J1	
7.	VDSLx	Bit Rate for VDSLx Int	G.993.1 or G993.2. Annex-J1	Exempted
		Insulation Test for 2 wire Int	ETSI EN 300 001. Annex-D	
		Line Port impedance for VDSLx Int	G.993.1 or G.993.2 Annex-J1	
		Loop resistance for VDSLx	ETSI EN 300 001. Annex-J1	
		Profiles for VDSLx	G.993.1 or G.993.2 Annex-J1	
		PSD for VDSLx Int	G.993.1(cl 6.2). G.993.2(cl 7.2) Ann-A B C.Annex-J1	
		Return Loss for VDSLx	G.993.1 or G.993.2 Annex-J1	

		Transmitted Power At ATU-C for VDSLx Int	G.993.1 or G.993.2 Annex-J1	
8.	Optical Fibre (Single Mode)	Mechanical Characteristics Proof test for minimum strain level	As per variants of ER	Exempted
		Material Properties- Fiber Materials- The substances of which the fibres are made	As per variants of ER	
9.	Optical Fibre Cable	Lightning Test	FOTP-181, ITU-T K-47	Exempted
		DC Resistance	IEEE 1138: 2009	
		Short Circuit Test	IEEE 1138 : 2009/ IEC 60794- 1-2-H1	
		Lightning Arc Test	IEEE 1138 : 2009	
		Flame Spread- Bunched cable	IEC/EN 60332-3-24:2018, Cat C	
		Smoke Test / Smoke Density Test	IEC/EN 61034-2	
		Acid gas (Toxicity) (Test on toxic gases evolved during combustion of materials from cables)	IEC/EN 60754-2	
		Flame retardant	IEC TR62222 IEC 60332-1-2	
		Electrical Characteristics – Power Feeding Wires	IEC 60228, IEC 60502-1, IEC 60227-1, IEC 61156-1 IEC 61196-1-10x BS EN 50525, BS EN 60304	
		Transfer impedance and Coupling attenuation	IEC 61156-1	
Requirements for fire performance of Optical/metallic hybrid cables should meet fire safety regulations	IEC TR 62222			
10	HF Radio System	Conformance to standards for HF Radio Systems	ETSI EN 300xxx i.e. 300-433 ETSI EN 301-xxx i.e. 301- 783 ETSI EN 303-xxx. i.e. 303-402 Annex-C3	Exempted for - ETSI EN 303 402
		Frequency for HF equipments	NFAP. Annex-C1	
		Max Transmit Power for HF Base Stn	As per DoT/WPC license conditions. Annex-C2	
		ER Interfaces- i. 5G NR (FR1) ii. 5G NR- FR1 and FR2 interworking	All the standards corresponding to the parameters of these	Exempted

11.	All applicable ERs	with other Radios iii. 5G NR (FR2)	interfaces mentioned in ER	
		Insulation Resistance for SHDSL Int	G.991.2. Annex-J1	Exempted
		LCL for SHDSL Interface	G.991.2. Annex-J1	
		PSD for SHDSL Int	G.991.2. Annex-J1	
		Return Loss for SHDSL	G.991.2. Annex-J1	
		Throughput for SHDSL Interface	G.991.2. Annex-J1	
		Transmitted Power for SHDSL Int	G.991.2. Annex-J1	
NavIC	Annexure-R-A1 Navigation for Radio Broadcast Receiver/IoT Gateway	Exempted		

2. This letter may be uploaded against the respective parameters/interfaces as mentioned above on the MTCTE Portal.

This issues with the approval of Competent Authority.

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1. Sr. DDG, TEC, New Delhi- for information please.
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