

S.N.	Essential Requirement/ Product Name	Product Variant Name	MTCTE Phase	Mandatory date of certification of product under MTCTE
1	2- Wire Telephone Equipment	2-Line Feature Phone	Phase-1	1st October, 2019
2	2- Wire Telephone Equipment	CLIP Phone	Phase-1	1st October, 2019
3	2- Wire Telephone Equipment	Coin Box Telephone	Phase-1	1st October, 2019
4	2- Wire Telephone Equipment	Coin Box Telephone - Table Top Interface	Phase-1	1st October, 2019
5	2- Wire Telephone Equipment	Electronic Telephone Instrument	Phase-1	1st October, 2019
6	2- Wire Telephone Equipment	Executive Telephone Systems	Phase-1	1st October, 2019
7	2- Wire Telephone Equipment	Key Telephone Systems	Phase-1	1st October, 2019
8	2- Wire Telephone Equipment	Key Telephone Systems with proprietary interface	Phase-1	1st October, 2019
9	2- Wire Telephone Equipment	NSD or ISD Payphone	Phase-1	1st October, 2019
10	2- Wire Telephone Equipment	Terminals for connecting to PSTN	Phase-1	1st October, 2019
11	G3 Fax Machine	FAX machine with handset	Phase-1	1st October, 2019
12	G3 Fax Machine	FAX machine without handset	Phase-1	1st October, 2019
13	Modem	V.90 or V.92 or V.21 to V.34 Modem	Phase-1	1st October, 2019
14	Cordless Telephone	Cordless Telephone	Phase-1	1st October, 2019
15	ISDN Customer Premises Equipment	ISDN Gateway	Phase-1	1st October, 2019
16	ISDN Customer Premises Equipment	ISDN NT-1 Network Termination	Phase-1	1st October, 2019
17	ISDN Customer Premises Equipment	ISDN Terminal	Phase-1	1st October, 2019
18	ISDN Customer Premises Equipment	ISDN Terminal Adapter	Phase-1	1st October, 2019
19	ISDN Customer Premises Equipment	Multipoint Conferencing Server	Phase-1	1st October, 2019
20	ISDN Customer Premises Equipment	PC card based ISDN Terminal	Phase-1	1st October, 2019
21	Private Automatic Branch Exchange	Private Automatic Branch Exchange	Phase-1	1st October, 2019
22	PON Family of Broadband Equipment	PON OLT	Phase-2	1st October, 2020
23	PON Family of Broadband Equipment	PON ONT	Phase-2	1st October, 2020
24	PON Family of Broadband Equipment	PON ONU	Phase-2	1st October, 2020
25	Feedback Device	Feedback Device	Phase-2	1st October, 2020
26	Transmission Terminal Equipment	Multiplexing Equipment	Phase-2	1st October, 2020
27	Transmission Terminal Equipment	SDH Equipment	Phase-2	1st October, 2020
28	Equipments Operating in 2.4 GHz and 5 GHz Band	PTP PMP Wireless Access Equipment 2.4 or 5 GHz	Phase-3	1st October, 2023
29	Equipments Operating in 2.4 GHz and 5 GHz Band	Wifi Access Points and CPE	Phase-3	1st October, 2023
30	Equipments Operating in 2.4 GHz and 5 GHz Band	WLAN Controller Equipment	Phase-3	1st October, 2023

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31	End Point Device for Environmental Monitoring	End Point Device for Environmental Monitoring	Phase-3	1st October, 2023
32	Repeater for Cellular Network	GSM and WCDMA Repeater	Phase-3	1st January, 2024
33	Repeater for Cellular Network	GSM Repeater	Phase-3	1st January, 2024
34	Repeater for Cellular Network	GSM WCDMA and LTE Repeater	Phase-3	1st January, 2024
35	Repeater for Cellular Network	LTE Repeater	Phase-3	1st January, 2024
36	Repeater for Cellular Network	WCDMA and LTE Repeater	Phase-3	1st January, 2024
37	Repeater for Cellular Network	WCDMA Repeater	Phase-3	1st January, 2024
38	Base Station for Cellular Network	BTS for GSM	Phase-3	1st January, 2024
39	Base Station for Cellular Network	BTS with AAS	Phase-3	1st January, 2024
40	Base Station for Cellular Network	BTS with MSR	Phase-3	1st January, 2024
41	Base Station for Cellular Network	eNodeB for LTE	Phase-3	1st January, 2024
42	Base Station for Cellular Network	NodeB for WCDMA	Phase-3	1st January, 2024
43	Compact Cellular Network	BTS CCN	Phase-3	1st January, 2024
44	Compact Cellular Network	eNodeB CCN	Phase-3	1st January, 2024
45	Compact Cellular Network	NodeB CCN	Phase-3	1st January, 2024
46	IoT Gateway	IoT Gateway	Phase-3	1st October, 2023
47	Tracking Device	Asset Tracking Device	Phase-3	1st October, 2023
48	Tracking Device	Human Tracking Device	Phase-3	1st October, 2023
49	Tracking Device	Pet Tracking Device	Phase-3	1st October, 2023
50	Tracking Device	Vehicle Tracking Device	Phase-3	1st October, 2023
51	Smart Electricity Meter	Smart Electricity Meter	Phase-3	1st October, 2023
52	Mobile Radio Trunking System	MRTS Base Station - Baseband plus Radio	Phase-4	1st January, 2024
53	Mobile Radio Trunking System	MRTS Base Station - Radio Only	Phase-4	1st January, 2024
54	Mobile Radio Trunking System	MRTS Baseband Equipment without Radio	Phase-4	1st January, 2024
55	Mobile Radio Trunking System	MRTS Fixed Station	Phase-4	1st January, 2024
56	Mobile Radio Trunking System	MRTS Handheld Portable Station	Phase-4	1st January, 2024
57	Mobile Radio Trunking System	MRTS Mobile Station	Phase-4	1st January, 2024
58	Conferencing Equipment	Audio Conference Facility Device	Phase-4	1st October, 2023
59	Conferencing Equipment	Multi Line Telephone System	Phase-4	1st October, 2023
60	HF Radio	HF Base Station - Baseband plus Radio	Phase-4	1st January, 2024
61	HF Radio	HF Base Station - Radio Only	Phase-4	1st January, 2024

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62	HF Radio	HF Baseband Equipment without Radio	Phase-4	1st January, 2024
63	HF Radio	HF Fixed Station	Phase-4	1st January, 2024
64	HF Radio	HF Handheld Portable Stations	Phase-4	1st January, 2024
65	HF Radio	HF Mobile Stations	Phase-4	1st January, 2024
66	VHF UHF Radio System Equipment	VHF UHF Base Station - Baseband plus Radio	Phase-4	1st January, 2024
67	VHF UHF Radio System Equipment	VHF UHF Base Station - Radio Only	Phase-4	1st January, 2024
68	VHF UHF Radio System Equipment	VHF UHF Baseband Equipment without Radio	Phase-4	1st January, 2024
69	VHF UHF Radio System Equipment	VHF UHF Fixed Station	Phase-4	1st January, 2024
70	VHF UHF Radio System Equipment	VHF UHF Handheld Portable Stations	Phase-4	1st January, 2024
71	VHF UHF Radio System Equipment	VHF UHF Mobile Stations	Phase-4	1st January, 2024
72	PTP PMP Microwave Fixed Radio Systems	PTP or PMP Full Outdoor Microwave Systems	Phase-4	1st January, 2024
73	PTP PMP Microwave Fixed Radio Systems	PTP or PMP Split MW Indoor Unit	Phase-4	1st January, 2024
74	PTP PMP Microwave Fixed Radio Systems	PTP or PMP Split MW Outdoor Unit	Phase-4	1st January, 2024
75	Media Gateway	Line Media Gateway	Phase-4	1st October, 2023
76	Media Gateway	Media Gateway	Phase-4	1st October, 2023
77	Media Gateway	Media Gateway for CPE	Phase-4	1st October, 2023
78	Signalling Gateway	Signalling Gateway	Phase-4	1st October, 2023
79	Session Border Controller	Session Border Controller	Phase-4	1st October, 2023
80	Softswitch	Softswitch	Phase-4	1st October, 2023
81	DSL Equipments	DSL NT Modem	Phase-4	1st October, 2023
82	DSL Equipments	DSLAM COT	Phase-4	1st October, 2023
83	DSL Equipments	OMSAN	Phase-4	1st October, 2023
84	Satellite Communication Equipment	Satellite Amplifier	Phase-4	1st January, 2024
85	Satellite Communication Equipment	Satellite Baseband Mod or Demod or Controller	Phase-4	1st January, 2024
86	Satellite Communication Equipment	Satellite Baseband Modem	Phase-4	1st January, 2024
87	Satellite Communication Equipment	Satellite Baseband Modem Controller	Phase-4	1st January, 2024
88	Satellite Communication Equipment	Satellite BUC	Phase-4	1st January, 2024
89	Satellite Communication Equipment	Satellite IF Transreceiver	Phase-4	1st January, 2024
90	Satellite Communication Equipment	Satellite LNA	Phase-4	1st January, 2024
91	Satellite Communication Equipment	Satellite LNB	Phase-4	1st January, 2024
92	Satellite Communication Equipment	Satellite Optimisation Equipment	Phase-4	1st January, 2024

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93	Satellite Communication Equipment	Satellite Radio Frequency Transceiver	Phase-4	1st January, 2024
94	Satellite Communication Equipment	VSAT Terminals	Phase-4	1st January, 2024
95	LAN Switch	L2 LAN Switch	Phase-4	1st October, 2023
96	LAN Switch	L3 LAN Switch	Phase-4	1st October, 2023
97	LAN Switch	MPLS TP CEN Switch	Phase-4	1st October, 2023
98	LAN Switch	L2 Unmanaged Switch	Phase-4	1st October, 2023
99	Router	BNG or BRAS Router	Phase-4	1st October, 2023
100	Router	Cloud Control Capable Router	Phase-4	1st October, 2023
101	Router	IPv4 Router	Phase-4	1st October, 2023
102	Router	IPv6 Router	Phase-4	1st October, 2023
103	Router	MPLS Router	Phase-4	1st October, 2023
104	Transmission Terminal Equipment-2	DWDM Equipment	Phase-4	1st October, 2023
105	Transmission Terminal Equipment-2	Digital Cross Connect	Phase-4	1st October, 2023
106	IP Security Equipment	Firewall Equipment	Phase-4	1st October, 2023
107	IP Security Equipment	Intrusion Detection System Equipment	Phase-4	1st October, 2023
108	IP Security Equipment	Intrusion Prevention System Equipment	Phase-4	1st October, 2023
109	IP Security Equipment	Unified Threat Management Equipment	Phase-4	1st October, 2023
110	Precision Timing Protocol Grand Master Equipment	Precision Timing Protocol Grand Master Equipment	Phase-4	1st October, 2023
111	Mobile Management Entity	MME for 2G or 3G or 4G	Phase-4	1st October, 2023
112	Mobile Management Entity	MME for LTE only	Phase-4	1st October, 2023
113	Cell Broadcast Centre	CBC for GSM	Phase-4	1st October, 2023
114	Cell Broadcast Centre	CBC for LTE or LTE-A	Phase-4	1st October, 2023
115	Cell Broadcast Centre	CBC For UMTS	Phase-4	1st October, 2023
116	IP Multimedia Conferencing Equipment	IP Multimedia Conferencing Equipment	Phase-4	1st October, 2023
117	BSC RNC	BSC for GSM	Phase-4	1st October, 2023
118	BSC RNC	RNC for WCDMA	Phase-4	1st October, 2023
119	SMLC or eSMLC	eSMLC for LTE	Phase-4	1st October, 2023
120	SMLC or eSMLC	SMLC for GSM	Phase-4	1st October, 2023
121	SMLC or eSMLC	SMLC for WCDMA	Phase-4	1st October, 2023
122	SGSN or GGSN	GGSN	Phase-4	1st October, 2023
123	SGSN or GGSN	SGSN For GSM	Phase-4	1st October, 2023
124	SGSN or GGSN	SGSN For LTE	Phase-4	1st October, 2023
125	SGSN or GGSN	SGSN For WCDMA	Phase-4	1st October, 2023
126	HLR AUC HSS	HLR or AUC	Phase-4	1st October, 2023
127	HLR AUC HSS	HSS	Phase-4	1st October, 2023
128	MSC or MSC-S or GMSC or GMSC-S including VLR	MSC-S or GMSC-S	Phase-4	1st October, 2023
129	MSC or MSC-S or GMSC or GMSC-S including VLR	MSC or GMSC including VLR for GSM	Phase-4	1st October, 2023
130	MSC or MSC-S or GMSC or GMSC-S including VLR	MSC or GMSC including VLR for WCDMA	Phase-4	1st October, 2023
131	Infiniband Switch	Infiniband Switch	Phase-4	1st October, 2023
132	OTA and DM or FOTA	DM or FOTA	Phase-4	1st October, 2023

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133	OTA and DM or FOTA	OTA	Phase-4	1st October, 2023
134	SCP	SCP	Phase-4	1st October, 2023
135	OMC or EMS or NMS or OSS	NMS	Phase-4	1st October, 2023
136	OMC or EMS or NMS or OSS	OMC or EMS	Phase-4	1st October, 2023
137	S-GW or P-GW	P-Gateway	Phase-4	1st October, 2023
138	S-GW or P-GW	S-Gateway	Phase-4	1st October, 2023
139	SMSC	SMSC	Phase-4	1st October, 2023
140	GMLC	GMLC for GSM or WCDMA	Phase-4	1st October, 2023
141	GMLC	GMLC for LTE or LTE-A	Phase-4	1st October, 2023
142	EIR	EIR for GSM or WCDMA	Phase-4	1st October, 2023
143	EIR	EIR for LTE	Phase-4	1st October, 2023
144	Optical Fibre Cable	Hybrid Cable - Optical and Metallic	Phase-4	1st January, 2024
145	Optical Fibre Cable	Optical Fibre Cable - ADSS on Aerial alignment	Phase-4	1st January, 2024
146	Optical Fibre Cable	Optical Fibre Cable - ADSS over Power line	Phase-4	1st January, 2024
147	Optical Fibre Cable	Optical Fibre Cable - Direct Buried	Phase-4	1st January, 2024
148	Optical Fibre Cable	Optical Fibre Cable - DSA	Phase-4	1st January, 2024
149	Optical Fibre Cable	Optical Fibre Cable - Duct	Phase-4	1st January, 2024
150	Optical Fibre Cable	Optical Fibre Cable - In home	Phase-4	1st January, 2024
151	Optical Fibre Cable	Optical Fibre Cable - Indoor	Phase-4	1st January, 2024
152	Optical Fibre Cable	Optical Fibre Cable – Indoor/ Outdoor	Phase-4	1st January, 2024
153	Optical Fibre Cable	Optical Fibre Cable - Lashed Aerial	Phase-4	1st January, 2024
154	Optical Fibre Cable	Optical Fibre Cable - Micro-Duct	Phase-4	1st January, 2024
155	Optical Fibre Cable	Optical Fibre Cable - Outdoor	Phase-4	1st January, 2024
156	Optical Fibre Cable	Optical Fibre Cable - Riser	Phase-4	1st January, 2024
157	Optical Fibre Cable	Optical Ground Wire -OPGW	Phase-4	1st January, 2024
158	SIM	CSIM	Phase-4	1st January, 2024
159	SIM	eSIM	Phase-4	1st January, 2024
160	SIM	eUICC	Phase-4	1st January, 2024
161	SIM	RUIM	Phase-4	1st January, 2024
162	SIM	SIM	Phase-4	1st January, 2024
163	SIM	UICC based ISIM	Phase-4	1st January, 2024
164	SIM	USIM	Phase-4	1st January, 2024
165	Radio Broadcast Receiver RBR	All Motor vehicle RBRs requiring external power	Phase-4	1st January, 2024
166	Radio Broadcast Receiver RBR	All RBRs driven with inbuilt power source	Phase-4	1st January, 2024
167	Radio Broadcast Receiver RBR	Other devices having RBR interface	Phase-4	1st January, 2024
168	Optical Fibre - Single Mode	Optical Fibre - G.652.D	Phase-4	1st January, 2024
169	Optical Fibre - Single Mode	Optical Fibre - G.655	Phase-4	1st January, 2024
170	Optical Fibre - Single Mode	Optical Fibre - G.656	Phase-4	1st January, 2024

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171	Optical Fibre - Single Mode	Optical Fibre - G.657. A1	Phase-4	1st January, 2024
172	Optical Fibre - Single Mode	Optical Fibre - G.657. A2	Phase-4	1st January, 2024
173	Optical Fibre - Single Mode	Optical Fibre - G.657. B3	Phase-4	1st January, 2024
174	Optical Fibre - Single Mode	Optical Fibre -G.654.D	Phase-4	1st January, 2024
175	Optical Fibre - Single Mode	Optical Fibre -G.654.E	Phase-4	1st January, 2024
176	Base station for cellular network for 5G	BTS with Multi Standard Radio	Phase-5	1st July, 2024
177	Base station for cellular network for 5G	Active Antenna System-OTA	Phase-5	1st July, 2024
178	Base station for cellular network for 5G	Base Station 5G NR Type 1C	Phase-5	1st July, 2024
179	Base station for cellular network for 5G	Base Station 5G NR Type 1H	Phase-5	1st July, 2024
180	Base station for cellular network for 5G	Base Station 5G NR Type 1O	Phase-5	1st July, 2024
181	Base station for cellular network for 5G	Base Station 5G NR Type 2O	Phase-5	1st July, 2024
182	Base station for cellular network for 5G	Hybrid Active Antenna System	Phase-5	1st July, 2024
183	5G Core	AMF	Phase-5	1st July, 2024
184	5G Core	AuSF	Phase-5	1st July, 2024
185	5G Core	BSF	Phase-5	1st July, 2024
186	5G Core	CHF	Phase-5	1st July, 2024
187	5G Core	NEF	Phase-5	1st July, 2024
188	5G Core	NSSF	Phase-5	1st July, 2024
189	5G Core	PCF	Phase-5	1st July, 2024
190	5G Core	SMF	Phase-5	1st July, 2024
191	5G Core	SMSF	Phase-5	1st July, 2024
192	5G Core	UDM	Phase-5	1st July, 2024
193	5G Core	UDR	Phase-5	1st July, 2024
194	5G Core	UPF	Phase-5	1st July, 2024
195	Hypervisor	Hypervisor	Phase-5	1st July, 2024
196	E-band Fixed Radio Relay System	E-Band MW Full Outdoor System	Phase-5	1st July, 2024
197	E-band Fixed Radio Relay System	E-Band MW Outdoor System plus Indoor System	Phase-5	1st July, 2024
198	Converged Multi service Application Access Equipment (C-MSAAE)	(C-MSAAE)	Phase-5	1st July, 2024
199	IP Terminal	SIP Terminal	Phase-5	1st July, 2024
200	Hybrid Set Top Box	Hybrid Set Top Box	Phase-5	1st July, 2024