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 July, 2023
29	Equipments Operating in 2.4 GHz and 5 GHz Band	Wifi Access Points and CPE	Phase-3	1st July, 2023
30	Equipments Operating in 2.4 GHz and 5 GHz Band	WLAN Controller Equipment	Phase-3	1st July, 2023

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

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

S.N.	Essential Requirement/ Product Name	Product Variant Name	MTCTE Phase	Mandatory date of certification of product under MTCTE
93	Satellite Communication Equipment	Satellite Radio Frequency Transceiver	Phase-4	1st July, 2023
94	Satellite Communication Equipment	VSAT Terminals	Phase-4	1st July, 2023
95	LAN Switch	L2 LAN Switch	Phase-4	1st July, 2023
96	LAN Switch	L3 LAN Switch	Phase-4	1st July, 2023
97	LAN Switch	MPLS TP CEN Switch	Phase-4	1st July, 2023
98	LAN Switch	L2 Unmanaged Switch	Phase-4	1st July, 2023
99	Router	BNG or BRAS Router	Phase-4	1st July, 2023
100	Router	Cloud Control Capable Router	Phase-4	1st July, 2023
101	Router	IPV4 Router	Phase-4	1st July, 2023
102	Router	IPV6 Router	Phase-4	1st July, 2023
103	Router	MPLS Router	Phase-4	1st July, 2023
104	Transmission Terminal Equipment	DWDM Equipment	Phase-4	1st July, 2023
105	Transmission Terminal Equipment	Digital Cross Connect	Phase-4	1st July, 2023
106	IP Security Equipment	Firewall Equipment	Phase-4	1st July, 2023
107	IP Security Equipment	Intrusion Detection System Equipment	Phase-4	1st July, 2023
108	IP Security Equipment	Intrusion Prevention System Equipment	Phase-4	1st July, 2023
109	IP Security Equipment	Unified Threat Management Equipment	Phase-4	1st July, 2023
110	Precision Timing Protocol Grand Master Equipment	Precision Timing Protocol Grand Master Equipment	Phase-4	1st July, 2023
111	Mobile Management Entity	MME for 2G or 3G or 4G	Phase-4	1st July, 2023
112	Mobile Management Entity	MME for LTE only	Phase-4	1st July, 2023
113	Cell Broadcast Centre	CBC for GSM	Phase-4	1st July, 2023
114	Cell Broadcast Centre	CBC for LTE or LTE-A	Phase-4	1st July, 2023
115	Cell Broadcast Centre	CBC For UMTS	Phase-4	1st July, 2023
116	IP Multimedia Conferencing Equipment	IP Multimedia Conferencing Equipment	Phase-4	1st July, 2023
117	BSC RNC	BSC for GSM	Phase-4	1st July, 2023
118	BSC RNC	RNC for WCDMA	Phase-4	1st July, 2023
119	SMLC or eSMLC	eSMLC for LTE	Phase-4	1st July, 2023
120	SMLC or eSMLC	SMLC for GSM	Phase-4	1st July, 2023
121	SMLC or eSMLC	SMLC for WCDMA	Phase-4	1st July, 2023
122	SGSN or GGSN	GGSN	Phase-4	1st July, 2023
123	SGSN or GGSN	SGSN For GSM	Phase-4	1st July, 2023
124	SGSN or GGSN	SGSN For LTE	Phase-4	1st July, 2023
125	SGSN or GGSN	SGSN For WCDMA	Phase-4	1st July, 2023
126	HLR AUC HSS	HLR or AUC	Phase-4	1st July, 2023
127	HLR AUC HSS	HSS	Phase-4	1st July, 2023
128	MSC or MSC-S or GMSC or GMSC-S including VLR	MSC-S or GMSC-S	Phase-4	1st July, 2023
129	MSC or MSC-S or GMSC or GMSC-S including VLR	MSC or GMSC including VLR for GSM	Phase-4	1st July, 2023
130	MSC or MSC-S or GMSC or GMSC-S including VLR	MSC or GMSC including VLR for WCDMA	Phase-4	1st July, 2023
131	Infiniband Switch	Infiniband Switch	Phase-4	1st July, 2023
132	OTA and DM or FOTA	DM or FOTA	Phase-4	1st July, 2023

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

S.N.	Essential Requirement/ Product Name	Product Variant Name	MTCTE Phase	Mandatory date of certification of product under MTCTE
171	Optical Fibre (Single mode)	Optical Fibre - G.657. A1	Phase-4	1st July, 2023
172	Optical Fibre (Single mode)	Optical Fibre - G.657. A2	Phase-4	1st July, 2023
173	Optical Fibre (Single mode)	Optical Fibre - G.657. B3	Phase-4	1st July, 2023
174	Optical Fibre (Single mode)	Optical Fibre -G.654.D	Phase-4	1st July, 2023
175	Optical Fibre (Single mode)	Optical Fibre -G.654.E	Phase-4	1st July, 2023