

List of Telecom products notified under MTCTE along with their effective mandatory certification date

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 (Calling Line Identification Presentation) 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 (National Subscriber Dialing) or ISD (International Subscriber Dialing) Payphone	Phase-1	1st October, 2019
10.	2- Wire Telephone Equipment	Terminals for connecting to PSTN (Public Switched Telephone Network)	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 (Integrated Services Digital Network) Customer Premises Equipment	ISDN Gateway	Phase-1	1st October, 2019
16.	ISDN (Integrated Services Digital Network) Customer Premises Equipment	ISDN NT-1 Network Termination	Phase-1	1st October, 2019
17.	ISDN (Integrated Services Digital Network) Customer Premises Equipment	ISDN Terminal	Phase-1	1st October, 2019
18.	ISDN (Integrated Services Digital Network) Customer Premises Equipment	ISDN Terminal Adapter	Phase-1	1st October, 2019
19.	ISDN (Integrated Services Digital Network) Customer Premises Equipment	Multipoint Conferencing Server	Phase-1	1st October, 2019
20.	ISDN (Integrated Services Digital Network) 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 (Passive Optical Network) Family of Broadband Equipment	PON OLT (Optical Line Terminal)	Phase-2	1st October, 2020

23.	PON (Passive Optical Network) Family of Broadband Equipment	PON ONT (Optical Network Terminal)	Phase-2	1st October, 2020
24.	PON (Passive Optical Network) Family of Broadband Equipment	PON ONU (Optical Network Unit)	Phase-2	1st October, 2020
25.	Feedback Device	Feedback Device	Phase-2	1st October, 2020
26.	Transmission Terminal Equipment-1	Multiplexing Equipment	Phase-2	1st October, 2020
27.	Transmission Terminal Equipment-1	SDH (Synchronous Digital Hierarchy) 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 January, 2024
29.	Equipments Operating in 2.4 GHz and 5 GHz Band	Wifi Access Points and CPE (Customer Premises Equipment)	Phase-3	1st January, 2024
30.	Equipments Operating in 2.4 GHz and 5 GHz Band	WLAN Controller Equipment	Phase-3	1st January, 2024
31.	End Point Device for Environmental Monitoring	End Point Device for Environmental Monitoring	Phase-3	1st January, 2024
32.	Repeater for Cellular Network	GSM and WCDMA Repeater	Phase-3	1st April, 2024
33.	Repeater for Cellular Network	GSM Repeater	Phase-3	1st April, 2024
34.	Repeater for Cellular Network	GSM WCDMA and LTE Repeater	Phase-3	1st April, 2024
35.	Repeater for Cellular Network	LTE (Long Term Evolution) Repeater	Phase-3	1st April, 2024
36.	Repeater for Cellular Network	WCDMA (Wideband Code Division Multiple Access) and LTE Repeater	Phase-3	1st April, 2024
37.	Repeater for Cellular Network	WCDMA (Wideband Code Division Multiple Access) Repeater	Phase-3	1st April, 2024
38.	Base Station for Cellular Network	BTS (Base Transceiver Station) for GSM (Global System for Mobile Communication)	Phase-3	1 st August, 2024
39.	Base Station for Cellular Network	BTS with AAS (Advanced Antenna Systems)	Phase-3	1 st August, 2024
40.	Base Station for Cellular Network	BTS with MSR (Multi-Standard Radio) up to 4G	Phase-3	1 st August, 2024
41.	Base Station for Cellular Network	eNodeB for LTE (Long Term Evolution)	Phase-3	1 st August, 2024
42.	Base Station for Cellular Network	NodeB for WCDMA	Phase-3	1 st August, 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 (Internet of Things) Gateway	IoT Gateway	Phase-3	1st January, 2024
47.	Tracking Device	Asset Tracking Device	Phase-3	1st January, 2024
48.	Tracking Device	Human Tracking Device	Phase-3	1st January, 2024

49.	Tracking Device	Pet Tracking Device	Phase-3	1st January, 2024
50.	Tracking Device	Standalone tracking device for Vehicle	Phase-3	1st January, 2024
51.	Smart Electricity Meter	Smart Electricity Meter	Phase-3	1st October, 2024
52.	Mobile Radio Trunking System	MRTS Base Station - Baseband plus Radio	Phase-4	1 st August, 2024
53.	Mobile Radio Trunking System	MRTS Base Station - Radio Only	Phase-4	1 st August, 2024
54.	Mobile Radio Trunking System	MRTS Baseband Equipment without Radio	Phase-4	1 st August, 2024
55.	Mobile Radio Trunking System	MRTS Fixed Station	Phase-4	1 st August, 2024
56.	Mobile Radio Trunking System	MRTS Handheld Portable Station	Phase-4	1 st August, 2024
57.	Mobile Radio Trunking System	MRTS Mobile Station	Phase-4	1 st August, 2024
58.	Conferencing Equipment	Audio Conference Facility Device	Phase-4	1st January, 2024
59.	Conferencing Equipment	Multi Line Telephone System	Phase-4	1st January, 2024
60.	HF (High Frequency) Radio	HF Base Station - Baseband plus Radio	Phase-4	1st April, 2024
61.	HF (High Frequency) Radio	HF Base Station - Radio Only	Phase-4	1st April, 2024
62.	HF (High Frequency) Radio	HF Baseband Equipment without Radio	Phase-4	1st April, 2024
63.	HF (High Frequency) Radio	HF Fixed Station	Phase-4	1st April, 2024
64.	HF (High Frequency) Radio	HF Handheld Portable Stations	Phase-4	1st April, 2024
65.	HF (High Frequency) Radio	HF Mobile Stations	Phase-4	1st April, 2024
66.	VHF(Very High Frequency) UHF (Ultra High Frequency) Radio System Equipment	VHF UHF Base Station - Baseband plus Radio	Phase-4	1 st August, 2024
67.	VHF(Very High Frequency) UHF (Ultra High Frequency) Radio System Equipment	VHF UHF Base Station - Radio Only	Phase-4	1 st August, 2024
68.	VHF(Very High Frequency) UHF (Ultra High Frequency) Radio System Equipment	VHF UHF Baseband Equipment without Radio	Phase-4	1 st August, 2024
69.	VHF(Very High Frequency) UHF (Ultra High Frequency) Radio System Equipment	VHF UHF Fixed Station	Phase-4	1 st August, 2024
70.	VHF(Very High Frequency) UHF (Ultra High Frequency) Radio System Equipment	VHF UHF Handheld Portable Stations	Phase-4	1 st August, 2024
71.	VHF(Very High Frequency) UHF (Ultra High Frequency) Radio System Equipment	VHF UHF Mobile Stations	Phase-4	1 st August, 2024
72.	PTP (Point to Point) PMP (Point to Multi Point) Microwave Fixed Radio Systems	PTP or PMP Full Outdoor Microwave Systems	Phase-4	1 st August, 2024
73.	PTP (Point to Point) PMP (Point to Multi Point) Microwave Fixed Radio Systems	PTP or PMP Split MW Indoor Unit	Phase-4	1 st August, 2024

74.	PTP (Point to Point) PMP (Point to Multi Point) Microwave Fixed Radio Systems	PTP or PMP Split MW Outdoor Unit	Phase-4	1 st August, 2024
75.	PTP (Point to Point) PMP (Point to Multi Point) Microwave Fixed Radio Systems	PTP/PMP Split M W System	Phase-4	1 st August, 2024
76.	Media Gateway	Line Media Gateway	Phase-4	1st January, 2024
77.	Media Gateway	Media Gateway	Phase-4	1st January, 2024
78.	Media Gateway	Media Gateway for CPE	Phase-4	1st January, 2024
79.	Signalling Gateway	Signalling Gateway	Phase-4	1st January, 2024
80.	Session Border Controller	Session Border Controller	Phase-4	1st January, 2024
81.	Softswitch	Softswitch	Phase-4	1st January, 2024
82.	DSL(Digital Subscriber Line) Equipments	DSLAM	Phase-4	1st January, 2024
83.	DSL(Digital Subscriber Line) Equipments	DSL Modem	Phase-4	1st January, 2024
84.	Satellite Communication Equipment	Satellite Amplifier	Phase-4	1 st October, 2024
85.	Satellite Communication Equipment	Satellite Baseband Mod or Demod or Controller	Phase-4	1 st October, 2024
86.	Satellite Communication Equipment	Satellite Baseband Modem	Phase-4	1 st October, 2024
87.	Satellite Communication Equipment	Satellite Baseband Modem Controller	Phase-4	1 st October, 2024
88.	Satellite Communication Equipment	Satellite BUC (Block Up Converter)	Phase-4	1 st October, 2024
89.	Satellite Communication Equipment	Satellite IF Transreceiver	Phase-4	1 st October, 2024
90.	Satellite Communication Equipment	Satellite LNA (Low Noise Amplifier)	Phase-4	1 st October, 2024
91.	Satellite Communication Equipment	Satellite LNB(Low Noise Block downconverter)	Phase-4	1 st October, 2024
92.	Satellite Communication Equipment	Satellite Optimisation Equipment	Phase-4	1 st October, 2024
93.	Satellite Communication Equipment	Satellite Radio Frequency Transceiver	Phase-4	1 st October, 2024
94.	Satellite Communication Equipment	VSAT (Very Small Aperture Terminal) Terminals	Phase-4	1 st October, 2024
95.	LAN (Local Area Network) Switch	L2 LAN Switch	Phase-4	1 st August, 2024
96.	LAN (Local Area Network) Switch	L3 LAN Switch	Phase-4	1 st August, 2024
97.	LAN (Local Area Network) Switch	MPLS (Multiprotocol Label Switching) TP (Transport Profile) CEN (Carrier Ethernet Network)Switch	Phase-4	1 st August, 2024
98.	LAN (Local Area Network) Switch	L2 Unmanaged Switch	Phase-4	1 st August, 2024
99.	Router	BNG (Broadband Network Gateway) or BRAS (Broadband Remote Access Server) Router	Phase-4	1 st August, 2024
100.	Router	Cloud Control Capable Router	Phase-4	1 st August, 2024
101.	Router	IPV4 (Internet Protocol v4) Router	Phase-4	1 st August, 2024
102.	Router	IPV6 (Internet Protocol v6) Router	Phase-4	1 st August, 2024
103.	Router	MPLS (Multiprotocol Label Switching) Router	Phase-4	1 st August, 2024

104.	Transmission Terminal Equipment-2	DWDM (Dense wavelength-division multiplexing) Equipment	Phase-4	1st January, 2024
105.	Transmission Terminal Equipment-2	Digital Cross Connect	Phase-4	1st January, 2024
106.	IP (Internet Protocol) Security Equipment	Firewall Equipment	Phase-4	1 st August, 2024
107.	IP (Internet Protocol) Security Equipment	Intrusion Detection System Equipment	Phase-4	1 st August, 2024
108.	IP (Internet Protocol) Security Equipment	Intrusion Prevention System Equipment	Phase-4	1 st August, 2024
109.	IP (Internet Protocol) Security Equipment	Unified Threat Management Equipment	Phase-4	1 st August, 2024
110.	Precision Timing Protocol Grand Master Equipment	Precision Timing Protocol Grand Master Equipment	Phase-4	1st January, 2024
111.	Mobile Management Entity	MME with connectivity to MSC SGSN	Phase-4	1st January, 2024
112.	Mobile Management Entity	MME for LTE	Phase-4	1st January, 2024
113.	Cell Broadcast Centre	CBC for GSM	Phase-4	1st January, 2024
114.	Cell Broadcast Centre	CBC for LTE or LTE-A	Phase-4	1st January, 2024
115.	Cell Broadcast Centre	CBC For UMTS	Phase-4	1st January, 2024
116.	IP Multimedia Conferencing Equipment	IP Multimedia Conferencing Equipment	Phase-4	1st January, 2024
117.	BSC (Base Station Control) RNC (Radio Network Controller)	BSC for GSM	Phase-4	1st January, 2024
118.	BSC (Base Station Control) RNC (Radio Network Controller)	RNC for WCDMA	Phase-4	1st January, 2024
119.	SMLC (Serving Mobile Location Center) or eSMLC (Evolved Serving Mobile Location Center)	eSMLC for LTE	Phase-4	1st January, 2024
120.	SMLC (Serving Mobile Location Center) or eSMLC (Evolved Serving Mobile Location Center)	SMLC for GSM	Phase-4	1st January, 2024
121.	SMLC (Serving Mobile Location Center) or eSMLC (Evolved Serving Mobile Location Center)	SMLC for WCDMA	Phase-4	1st January, 2024
122.	SGSN (Serving GPRS Support Node) or GGSN (Gateway GPRS Support Node)	GGSN	Phase-4	1st January, 2024
123.	SGSN (Serving GPRS Support Node) or GGSN (Gateway GPRS Support Node)	SGSN For GSM	Phase-4	1st January, 2024
124.	SGSN (Serving GPRS Support Node) or GGSN (Gateway GPRS Support Node)	SGSN For LTE	Phase-4	1st January, 2024
125.	SGSN (Serving GPRS Support Node) or GGSN (Gateway GPRS Support Node)	SGSN For WCDMA	Phase-4	1st January, 2024
126.	HLR (Home Location Register) AUC (Authentication Cente) HSS (Home Subscriber Server)	HLR or AUC	Phase-4	1st January, 2024
127.	HLR (Home Location Register) AUC (Authentication Cente) HSS (Home Subscriber Server)	HSS	Phase-4	1st January, 2024
128.	MSC or MSC-S or GMSC or GMSC-S including VLR	MSC-S or GMSC-S	Phase-4	1st January, 2024
129.	MSC or MSC-S or GMSC or GMSC-S including VLR	MSC or GMSC including VLR for GSM	Phase-4	1st January, 2024
130.	MSC or MSC-S or GMSC or GMSC-S including VLR	MSC or GMSC including VLR for WCDMA	Phase-4	1st January, 2024
131.	Infiniband Switch	Infiniband Switch	Phase-4	1st January, 2024
132.	OTA (Over-The-Air) and DM (Device Manager) or FOTA	DM or FOTA	Phase-4	1st January, 2024

	(Firmware Over-The-Air)			
133.	OTA (Over-The-Air) and DM (Device Manager) or FOTA (Firmware Over-The-Air)	OTA	Phase-4	1st January, 2024
134.	SCP (Service Control Point)	SCP	Phase-4	1st January, 2024
135.	OMC(Operations and Maintenance Center) or EMS (Element Management Systems) or NMS (Network Management Systems) or OSS (Operations Support System)	NMS	Phase-4	1st January, 2024
136.	OMC(Operations and Maintenance Center) or EMS (Element Management Systems) or NMS (Network Management Systems) or OSS (Operations Support System)	OMC or EMS	Phase-4	1st January, 2024
137.	S-GW (Serving Gateway) or P-GW (Packet Data Network Gateway)	P-Gateway	Phase-4	1st January, 2024
138.	S-GW (Serving Gateway) or P-GW (Packet Data Network Gateway)	S-Gateway	Phase-4	1st January, 2024
139.	SMSC (Short Message Service Center)	SMSC	Phase-4	1st January, 2024
140.	GMLC (Gateway Mobile Location Centre)	GMLC for GSM or WCDMA	Phase-4	1st January, 2024
141.	GMLC (Gateway Mobile Location Centre)	GMLC for LTE or LTE-A	Phase-4	1st January, 2024
142.	EIR (Equipment Identity Register)	EIR for GSM or WCDMA	Phase-4	1st January, 2024
143.	EIR (Equipment Identity Register)	EIR for LTE	Phase-4	1st January, 2024
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 along 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 - Micro-Duct	Phase-4	1st January, 2024
154.	Optical Fibre Cable	Optical Fibre Cable – Access Outdoor	Phase-4	1st January, 2024
155.	Optical Fibre Cable	Optical Ground Wire -OPGW	Phase-4	1st January, 2024
156.	SIM (Subscriber Identity Module)	CSIM (CDMA SIM)	Phase-4	1 st August, 2024
157.	SIM (Subscriber Identity Module)	eUICC – Consumer (GSMA compliance) / eSIM-Consumer	Phase-4	1 st August, 2024
158.	SIM (Subscriber Identity Module)	eUICC-M2M (GSMA compliance) / eSIM-M2M	Phase-4	1 st August, 2024
159.	SIM (Subscriber Identity Module)	eUICC -M2M (Non-GSMA compliance)	Phase-4	1 st August, 2024

160.	SIM (Subscriber Identity Module)	SIM- Pluggable form factor	Phase-4	1 st August, 2024
161.	SIM (Subscriber Identity Module)	UICC based ISIM- Pluggable form factor	Phase-4	1 st August, 2024
162.	SIM (Subscriber Identity Module)	USIM- Pluggable form factor	Phase-4	1 st August, 2024
163.	Radio Broadcast Receiver RBR	All Motor vehicle RBRs requiring external power	Phase-4	1st January, 2024
164.	Radio Broadcast Receiver RBR	All RBRs driven with inbuilt power source	Phase-4	1st January, 2024
165.	Radio Broadcast Receiver RBR	Other devices having RBR interface	Phase-4	1st January, 2024
166.	Optical Fibre - Single Mode	Optical Fibre - G.652.D	Phase-4	1st January, 2024
167.	Optical Fibre - Single Mode	Optical Fibre - G.655	Phase-4	1st January, 2024
168.	Optical Fibre - Single Mode	Optical Fibre - G.656	Phase-4	1st January, 2024
169.	Optical Fibre - Single Mode	Optical Fibre - G.657. A1	Phase-4	1st January, 2024
170.	Optical Fibre - Single Mode	Optical Fibre - G.657. A2	Phase-4	1st January, 2024
171.	Optical Fibre - Single Mode	Optical Fibre - G.657. B3	Phase-4	1st January, 2024
172.	Optical Fibre - Single Mode	Optical Fibre -G.654.D	Phase-4	1st January, 2024
173.	Optical Fibre - Single Mode	Optical Fibre -G.654.E	Phase-4	1st January, 2024
174.	Base station for cellular network for 5G	BTS with Multi Standard Radio	Phase-5	1 st October, 2024
175.	Base station for cellular network for 5G	Active Antenna System-OTA	Phase-5	1 st October, 2024
176.	Base station for cellular network for 5G	Base Station 5G NR Type 1C	Phase-5	1 st October, 2024
177.	Base station for cellular network for 5G	Base Station 5G NR Type 1H	Phase-5	1 st October, 2024
178.	Base station for cellular network for 5G	Base Station 5G NR Type 1O	Phase-5	1 st October, 2024
179.	Base station for cellular network for 5G	Base Station 5G NR Type 2O	Phase-5	1 st October, 2024
180.	Base station for cellular network for 5G	Hybrid Active Antenna System	Phase-5	1 st October, 2024
181.	5G Core	AMF (Access and Mobility Management Function)	Phase-5	1st July, 2024
182.	5G Core	AuSF (The Authentication Server Function)	Phase-5	1st July, 2024
183.	5G Core	BSF (Binding Support Function)	Phase-5	1st July, 2024
184.	5G Core	CHF (Charging Function)	Phase-5	1st July, 2024
185.	5G Core	NEF (Network Exposure Function)	Phase-5	1st July, 2024
186.	5G Core	NSSF (Network Slice Selection Function)	Phase-5	1st July, 2024
187.	5G Core	PCF (Policy Control Function)	Phase-5	1st July, 2024
188.	5G Core	SMF (Session Management Function)	Phase-5	1st July, 2024
189.	5G Core	SMSF (Short Message Service Function)	Phase-5	1st July, 2024
190.	5G Core	UDM (Unified Data Management)	Phase-5	1st July, 2024
191.	5G Core	UDR (Unified Data Repository)	Phase-5	1st July, 2024
192.	5G Core	UPF (User Plane Function)	Phase-5	1st July, 2024
193.	Hypervisor	Hypervisor	Phase-5	1 st October, 2024

194.	E-band Fixed Radio Relay System	E-Band MW Full Outdoor System	Phase-5	1st July, 2024
195.	E-band Fixed Radio Relay System	E-Band MW Outdoor System plus Indoor System	Phase-5	1st July, 2024
196.	Converged Multi service Application Access Equipment (C-MSAAE)	C-MSAAE	Phase-5	1st July, 2024
197.	IP (Internet Protocol)Terminal	SIP Terminal	Phase-5	1 st October, 2024
198.	Cellular Customer Premises Equipment	Cellular Customer Premises Equipment	Phase-6	24 th August, 2025
199.	Fixed Wireless Phones	Fixed Wireless Phone with VOICE and DATA Facility	Phase-6	24 th August, 2025
200.	Fixed Wireless Phones	Fixed Wireless Phone with Voice Facility only	Phase-6	24 th August, 2025
201.	LAN Switch	Storage Area Network (SAN) Switch	Phase-6	24 th August, 2025
202.	LAN Switch	Fabric Interconnect Switch	Phase-6	24 th August, 2025
203.	IP Security Equipment	Network Security Management Equipment	Phase-6	24 th August, 2025
204.	IP Security Equipment	Network Security Analytics Equipment-Managed		24 th August, 2025
205.	IP Security Equipment	Network Security Analytics Equipment-Unmanaged	Phase-6	24 th August, 2025
206.	IP Security Equipment	Content Security Equipment	Phase-6	24 th August, 2025
207.	IP Security Equipment	DDoS Protection Equipment	Phase-6	24 th August, 2025
208.	IP Security Equipment	Malware Analysis Equipment	Phase-6	24 th August, 2025
209.	IP Security Equipment	Web Application Firewall	Phase-6	24 th August, 2025
210.	Satellite Communication Equipment	NGSO User Terminals	Phase-6	24 th August, 2025
211.	Satellite Communication Equipment	NGSO Integrated Gateway	Phase-6	24 th August, 2025