

Nr.	Standard reference	Title
1	ETSI TS 129 525 V15.8.0 (2022-04)	5G; 5G System; UE Policy Control Service; Stage 3 (3GPP TS 29.525 version 15.8.0 Release 15)
2	ETSI TS 129 525 V16.10.0 (2022-04)	5G; 5G System; UE Policy Control Service; Stage 3 (3GPP TS 29.525 version 16.10.0 Release 16)
3	ETSI TS 129 526 V16.7.0 (2022-04)	5G; 5G System; Network Slice-Specific Authentication and Authorization (NSSAA) services; Stage 3 (3GPP TS 29.526 version 16.7.0 Release 16)
4	ETSI TS 129 540 V16.10.0 (2022-04)	5G; 5G System; SMS Services; Stage 3 (3GPP TS 29.540 version 16.10.0 Release 16)
5	ETSI TS 129 554 V16.8.0 (2022-04)	5G; 5G System; Background Data Transfer Policy Control Service; Stage 3 (3GPP TS 29.554 version 16.8.0 Release 16)
6	ETSI TS 129 563 V16.7.0 (2022-04)	5G; 5G System; Home Subscriber Server (HSS) services for interworking with Unified Data Management (UDM); Stage 3 (3GPP TS 29.563 version 16.7.0 Release 16)
7	ETSI TS 129 571 V16.11.0 (2022-04)	5G; 5G System; Common Data Types for Service Based Interfaces; Stage 3 (3GPP TS 29.571 version 16.11.0 Release 16)
8	ETSI TS 129 572 V16.9.0 (2022-04)	5G; 5G System; Location Management Services; Stage 3 (3GPP TS 29.572 version 16.9.0 Release 16)
9	ETSI TS 129 573 V16.9.0 (2022-04)	5G; 5G System; Public Land Mobile Network (PLMN) Interconnection; Stage 3 (3GPP TS 29.573 version 16.9.0 Release 16)
10	ETSI TS 132 156 V16.5.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) model repertoire (3GPP TS 32.156 version 16.5.0 Release 16)
11	ETSI TS 132 240 V16.5.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Charging architecture and principles (3GPP TS 32.240 version 16.5.0 Release 16)
12	ETSI TS 132 291 V16.11.0 (2022-04)	5G; Telecommunication management; Charging management; 5G system, charging service; Stage 3 (3GPP TS 32.291 version 16.11.0 Release 16)
13	ETSI TS 132 422 V16.9.1 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace control and configuration management (3GPP TS 32.422 version 16.9.1 Release 16)
14	ETSI TS 129 591 V16.7.0 (2022-04)	5G; 5G System; Network Exposure Function Southbound Services; Stage 3 (3GPP TS 29.591 version 16.7.0 Release 16)
15	ETSI TS 129 594 V16.7.0 (2022-04)	5G; 5G System; Spending Limit Control Service; Stage 3 (3GPP TS 29.594 version 16.7.0 Release 16)
16	ETSI TS 132 103 V16.3.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 16.3.0 Release 16)
17	ETSI EN 300 338-7 V1.1.1 (2022-04)	Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service; Part 7: Implementation of Bridge Alert Management (BAM) in DSC radio equipment
18	ETSI ES 203 228 V1.4.1 (2022-04)	Environmental Engineering (EE); Assessment of mobile network energy efficiency
19	ETSI GR F5G 010 V1.1.1 (2022-04)	Fifth Generation Fixed Network (F5G); Security; Threat Vulnerability Risk Analysis and countermeasure recommendations for F5G

20	ETSI GS QKD 015 V2.1.1 (2022-04)	Quantum Key Distribution (QKD); Control Interface for Software Defined Networks
21	ETSI GS QKD 018 V1.1.1 (2022-04)	Quantum Key Distribution (QKD); Orchestration Interface for Software Defined Networks
22	ETSI GS MEC-DEC 032-2 V3.1.1 (2022-04)	Multi-access Edge Computing (MEC); API Conformance Test Specification; Part 2: Test Purposes (TP)
23	ETSI GS MEC-DEC 032-3 V3.1.1 (2022-04)	Multi-access Edge Computing (MEC); API Conformance Test Specification; Part 3: Abstract Test Suite (ATS)
24	ETSI TS 101 573 V1.2.1 (2022-04)	Access, Terminals, Transmission and Multiplexing (ATM); General engineering of optical fibre cabling in buildings
25	ETSI TS 102 232-5 V3.15.1 (2022-04)	Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 5: Service-specific details for IP Multimedia services
26	ETSI TS 102 636-7-1 V1.1.2 (2022-04)	Intelligent Transport Systems (ITS); Vehicular Communications; GeoNetworking; Part 7: Amendments for LTE-V2X; Sub-part 1: Amendments to ETSI EN 302 636-4-1 (Media-Independent Functionality)
27	ETSI TS 102 636-7-2 V1.1.2 (2022-04)	Intelligent Transport Systems (ITS); Vehicular Communications; GeoNetworking; Part 7: Amendments for LTE-V2X; Sub-part 2: Amendments to ETSI EN 302 636-5-1 (Basic Transport Protocol)
28	ETSI TS 103 625 V1.2.1 (2022-04)	Emergency Communications (EMTEL); Transporting Handset Location to PSAPs for Emergency Communications - Advanced Mobile Location
29	ETSI TS 121 101 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 17.0.0 Release 17)
30	ETSI TS 121 201 V17.0.0 (2022-04)	LTE; Technical Specifications and Technical Reports for an Evolved Packet System (EPS) based 3GPP system (3GPP TS 21.201 version 17.0.0 Release 17)
31	ETSI TS 121 202 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Technical Specifications and Technical Reports relating to the Common IP Multimedia Subsystem (IMS) (3GPP TS 21.202 version 17.0.0 Release 17)
32	ETSI TS 121 205 V17.0.0 (2022-04)	5G; Technical Specifications and Technical Reports for a 5G based 3GPP system (3GPP TS 21.205 version 17.0.0 Release 17)
33	ETSI TS 122 001 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.001 version 17.0.0 Release 17)
34	ETSI TS 122 002 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.002 version 17.0.0 Release 17)
35	ETSI TS 122 003 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Circuit Teleservices supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.003 version 17.0.0 Release 17)
36	ETSI TS 122 004 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; General on supplementary services (3GPP TS 22.004 version 17.0.0 Release 17)

37	ETSI TS 122 022 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Personalisation of Mobile Equipment (ME); Mobile functionality specification (3GPP TS 22.022 version 17.0.0 Release 17)
38	ETSI TS 122 024 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Description of Charge Advice Information (CAI) (3GPP TS 22.024 version 17.0.0 Release 17)
39	ETSI TS 122 030 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Man-Machine Interface (MMI) of the User Equipment (UE) (3GPP TS 22.030 version 17.0.0 Release 17)
40	ETSI TS 122 031 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Fraud Information Gathering System (FIGS); Service description;
41	ETSI TS 122 032 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Immediate Service Termination (IST); Service description; Stage 1 (3GPP TS 22.032 version 17.0.0 Release 17)
42	ETSI TS 122 034 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); High Speed Circuit Switched Data (HSCSD); Stage 1 (3GPP TS 22.034 version 17.0.0 Release 17)
43	ETSI TS 122 038 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; (U)SIM Application Toolkit (USAT); Service description; Stage 1 (3GPP TS 22.038 version 17.0.0 Release 17)
44	ETSI TS 122 041 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Operator Determined Barring (ODB) (3GPP TS 22.041 version 17.0.0 Release 17)
45	ETSI TS 122 042 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Network Identity and TimeZone (NITZ); Service description; Stage 1 (3GPP TS 22.042 version 17.0.0 Release 17)
46	ETSI TS 122 057 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mobile Execution Environment (MExE); Service description; Stage 1 (3GPP TS 22.057 version 17.0.0 Release 17)
47	ETSI TS 122 060 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Service description; Stage 1 (3GPP TS 22.060 version 17.0.0 Release 17)
48	ETSI TS 122 066 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Support of Mobile Number Portability (MNP); Service description; Stage 1 (3GPP TS 22.066 version 17.0.0 Release 17)
49	ETSI TS 122 067 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); enhanced Multi Level Precedence and Pre-emption service (eMLPP); Stage 1 (3GPP TS 22.067 version 17.0.0 Release 17)
50	ETSI TS 122 071 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Location Services (LCS); Service description;

51	ETSI TS 122 072 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Deflection (CD) service description; Stage 1 (3GPP TS 22.072 version 17.0.0 Release 17)
52	ETSI TS 122 078 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Customised Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1 (3GPP TS 22.078 version 17.0.0 Release 17)
53	ETSI TS 122 079 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Support of Optimal Routeing (SOR); Service definition; Stage 1 (3GPP TS 22.079 version 17.0.0 Release 17)
54	ETSI TS 122 081 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Line Identification supplementary services; Stage 1 (3GPP TS 22.081 version 17.0.0 Release 17)
55	ETSI TS 122 082 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) Supplementary Services; Stage 1 (3GPP TS 22.082 version 17.0.0 Release 17)
56	ETSI TS 122 083 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Waiting (CW) and Call Holding (HOLD); Supplementary Services; Stage 1 (3GPP TS 22.083 version 17.0.0 Release 17)
57	ETSI TS 122 084 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); MultiParty (MPTY) supplementary service; Stage 1 (3GPP TS 22.084 version 17.0.0 Release 17)
58	ETSI TS 122 085 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) supplementary services; Stage 1 (3GPP TS 22.085 version 17.0.0 Release 17)
59	ETSI TS 122 086 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Advice of Charge (AoC) supplementary services; Stage 1 (3GPP TS 22.086 version 17.0.0 Release 17)
60	ETSI TS 122 087 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS); Service description; Stage 1 (3GPP TS 22.087 version 17.0.0 Release 17)
61	ETSI TS 122 088 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Barring (CB) supplementary services; Stage 1 (3GPP TS 22.088 version 17.0.0 Release 17)
62	ETSI TS 122 090 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Unstructured Supplementary Service Data (USSD); Stage 1 (3GPP TS 22.090 version 17.0.0 Release 17)
63	ETSI TS 122 091 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Explicit Call Transfer (ECT) supplementary service; Stage 1 (3GPP TS 22.091 version 17.0.0 Release 17)
64	ETSI TS 122 093 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1 (3GPP TS 22.093 version 17.0.0 Release 17)

65	ETSI TS 122 094 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Follow Me service description; Stage 1 (3GPP TS 22.094 version 17.0.0 Release 17)
66	ETSI TS 122 096 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Name identification supplementary services; Stage 1 (3GPP TS 22.096 version 17.0.0 Release 17)
67	ETSI TS 122 097 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multiple Subscriber Profile (MSP) Phase 2; Service description; Stage 1 (3GPP TS 22.097 version 17.0.0 Release 17)
68	ETSI TS 122 105 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Services and service capabilities (3GPP TS 22.105 version 17.0.0 Release 17)
69	ETSI TS 122 125 V17.6.0 (2022-04)	5G; Unmanned Aerial System (UAS) support in 3GPP (3GPP TS 22.125 version 17.6.0 Release 17)
70	ETSI TS 122 129 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service aspects; Handover requirements between UTRAN and GERAN or other radio systems (3GPP TS 22.129 version 17.0.0 Release 17)
71	ETSI TS 122 135 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Multicall; Service description; Stage 1 (3GPP TS 22.135 version 17.0.0 Release 17)
72	ETSI TS 122 140 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Messaging Service (MMS); Stage 1 (3GPP TS 22.140 version 17.0.0 Release 17)
73	ETSI TS 122 141 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Presence service; Stage 1 (3GPP TS 22.141 version 17.0.0 Release 17)
74	ETSI TS 122 142 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Value Added Services (VAS) for Short Message Service (SMS) requirements (3GPP TS 22.142 version 17.0.0 Release 17)
75	ETSI TS 122 146 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Broadcast/Multicast Service (MBMS); Stage 1 (3GPP TS 22.146 version 17.0.0 Release 17)
76	ETSI TS 122 174 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Push Service; Service aspects; Stage 1 (3GPP TS 22.174 version 17.0.0 Release 17)
77	ETSI TS 122 179 V17.1.0 (2022-04)	LTE; 5G; Mission Critical Push to Talk (MCPTT); Stage 1 (3GPP TS 22.179 version 17.1.0 Release 17)
78	ETSI TS 122 182 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Customized Alerting Tones (CAT) requirements; Stage 1 (3GPP TS 22.182 version 17.0.0 Release 17)
79	ETSI TS 122 183 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Customized Ringing Signal (CRS) requirements; Stage 1 (3GPP TS 22.183 version 17.0.0 Release 17)
80	ETSI TS 122 185 V17.0.0 (2022-04)	LTE; Service requirements for V2X services (3GPP TS 22.185 version 17.0.0 Release 17)

81	ETSI TS 122 220 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Service requirements for Home Node B (HNB) and Home eNode B (HeNB) (3GPP TS 22.220 version 17.0.0 Release 17)
82	ETSI TS 122 226 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Global Text Telephony (GTT); Stage 1 (3GPP TS 22.226 version 17.0.0 Release 17)
83	ETSI TS 122 233 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Transparent end-to-end packet-switched streaming service; Stage 1 (3GPP TS 22.233 version 17.0.0 Release 17)
84	ETSI TS 123 031 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); 3G Security; Fraud Information Gathering System (FIGS); Technical realization; Stage 2 (3GPP TS 23.031 version 17.0.0 Release 17)
85	ETSI TS 123 035 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Immediate Service Termination (IST); Stage 2 (3GPP TS 23.035 version 17.0.0 Release 17)
86	ETSI TS 123 057 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Mobile Execution Environment (MExE); Functional description; Stage 2 (3GPP TS 23.057 version 17.0.0 Release 17)
87	ETSI TS 123 060 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Service description; Stage 2 (3GPP TS 23.060 version 17.0.0 Release 17)
88	ETSI TS 123 101 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); General Universal Mobile Telecommunications System (UMTS) architecture (3GPP TS 23.101 version 17.0.0 Release 17)
89	ETSI TS 123 107 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Quality of Service (QoS) concept and architecture (3GPP TS 23.107 version 17.0.0 Release 17)
90	ETSI TS 123 110 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Universal Mobile Telecommunications System (UMTS) access stratum; Services and functions (3GPP TS 23.110 version 17.0.0 Release 17)
91	ETSI TS 123 139 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3GPP system - fixed broadband access network interworking; Stage 2 (3GPP TS 23.139 version 17.0.0 Release 17)
92	ETSI TS 123 141 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Presence service; Architecture and functional description (3GPP TS 23.141 version 17.0.0 Release 17)
93	ETSI TS 123 146 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Technical realization of facsimile Group 3 non-transparent (3GPP TS 23.146 version 17.0.0 Release 17)
94	ETSI TS 123 161 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Network-Based IP Flow Mobility (NBIFOM); Stage 2 (3GPP TS 23.161 version 17.0.0 Release 17)
95	ETSI TS 123 172 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Technical realization of Circuit Switched (CS) multimedia service UDI/RDI fallback and service modification; Stage 2 (3GPP TS 23.172 version 17.0.0 Release 17)

96	ETSI TS 123 202 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Circuit switched data bearer services (3GPP TS 23.202 version 17.0.0 Release 17)
97	ETSI TS 123 204 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Support of Short Message Service (SMS) over generic 3GPP Internet Protocol (IP) access; Stage 2 (3GPP TS 23.204 version 17.0.0 Release 17)
98	ETSI TS 123 207 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; End-to-end Quality of Service (QoS) concept and architecture (3GPP TS 23.207 version 17.0.0 Release 17)
99	ETSI TS 123 221 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Architectural requirements (3GPP TS 23.221 version 17.0.0 Release 17)
100	ETSI TS 123 226 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Global text telephony (GTT); Stage 2 (3GPP TS 23.226 version 17.0.0 Release 17)
101	ETSI TS 123 236 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes (3GPP TS 23.236 version 17.0.0 Release 17)
102	ETSI TS 123 237 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Service Continuity; Stage 2 (3GPP TS 23.237 version 17.0.0 Release 17)
103	ETSI TS 123 240 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3GPP Generic User Profile (GUP); Architecture (Stage 2) (3GPP TS 23.240 version 17.0.0 Release 17)
104	ETSI TS 123 246 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description (3GPP TS 23.246 version 17.0.0 Release 17)
105	ETSI TS 123 251 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Network sharing; Architecture and functional description (3GPP TS 23.251 version 17.0.0 Release 17)
106	ETSI TS 123 261 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; IP flow mobility and seamless Wireless Local Area Network (WLAN) offload; Stage 2 (3GPP TS 23.261 version 17.0.0 Release 17)
107	ETSI TS 123 279 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Combining Circuit Switched (CS) and IP Multimedia Subsystem (IMS) services; Stage 2 (3GPP TS 23.279 version 17.0.0 Release 17)
108	ETSI TS 123 285 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Architecture enhancements for V2X services (3GPP TS 23.285 version 17.0.0 Release 17)
109	ETSI TS 123 292 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) centralized services; Stage 2 (3GPP TS 23.292 version 17.0.0 Release 17)
110	ETSI TS 123 468 V17.0.0 (2022-04)	LTE; Group Communication System Enablers for LTE (GCSE_LTE); Stage 2 (3GPP TS 23.468 version 17.0.0 Release 17)

111	ETSI TS 123 479 V17.0.0 (2022-04)	LTE; Technical Specification Group Services and System Aspects; UE MBMS APIs for Mission Critical Services; (3GPP TS 23.479 version 17.0.0 Release 17)
112	ETSI TR 123 903 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Redial solution for voice-video switching (3GPP TR 23.903 version 17.0.0 Release 17)
113	ETSI TR 123 919 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Direct tunnel deployment guideline (3GPP TR 23.919 version 17.0.0 Release 17)
114	ETSI TR 123 924 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Feasibility study on Non-Access Stratum (NAS) node selection function above Base Station Controller (BSC) / Radio Network Controller (RNC) (3GPP TR 23.924 version 17.0.0 Release 17)
115	ETSI TR 123 973 V17.0.0 (2022-04)	LTE; 5G; User data interworking, coexistence and migration (3GPP TR 23.973 version 17.0.0 Release 17)
116	ETSI TR 123 975 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IPv6 migration guidelines (3GPP TR 23.975 version 17.0.0 Release 17)
117	ETSI TR 123 976 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Push architecture (3GPP TR 23.976 version 17.0.0 Release 17)
118	ETSI TR 123 977 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Bandwidth And Resource Savings (BARS) and speech enhancements for Circuit Switched (CS) networks (3GPP TR 23.977 version 17.0.0 Release 17)
119	ETSI TR 123 979 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3GPP enablers for Open Mobile Alliance (OMA); Push-to-talk over Cellular (PoC) services; Stage 2 (3GPP TR 23.979 version 17.0.0 Release 17)
120	ETSI TR 123 981 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations (3GPP TR 23.981 version 17.0.0 Release 17)
121	ETSI TS 124 022 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Radio Link Protocol (RLP) for circuit switched bearer and teleservices (3GPP TS 24.022 version 17.0.0 Release 17)
122	ETSI TS 124 244 V16.1.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Wireless LAN control plane protocol for trusted WLAN access to EPC; Stage 3 (3GPP TS 24.244 version 16.1.0 Release 16)
123	ETSI TS 124 281 V14.13.0 (2022-04)	LTE; Mission Critical Video (MCVideo) signalling control; Protocol specification (3GPP TS 24.281 version 14.13.0 Release 14)
124	ETSI TS 124 281 V15.12.0 (2022-04)	LTE; Mission Critical Video (MCVideo) signalling control; Protocol specification (3GPP TS 24.281 version 15.12.0 Release 15)
125	ETSI TS 124 281 V16.8.0 (2022-04)	LTE; Mission Critical Video (MCVideo) signalling control; Protocol specification (3GPP TS 24.281 version 16.8.0 Release 16)
126	ETSI TS 124 282 V16.9.0 (2022-04)	LTE; Mission Critical Data (MCData) signalling control; Protocol specification (3GPP TS 24.282 version 16.9.0 Release 16)
127	ETSI TS 124 282 V17.6.2 (2022-04)	LTE; Mission Critical Data (MCData) signalling control; Protocol specification (3GPP TS 24.282 version 17.6.2 Release 17)
128	ETSI TS 124 481 V14.7.1 (2022-04)	LTE; Mission Critical Services (MCS) group management; Protocol specification (3GPP TS 24.481 version 14.7.1 Release 14)

129	ETSI TS 124 481 V15.6.2 (2022-04)	LTE; Mission Critical Services (MCS) group management; Protocol specification (3GPP TS 24.481 version 15.6.2 Release 15)
130	ETSI TS 124 481 V16.4.1 (2022-04)	LTE; Mission Critical Services (MCS) group management; Protocol specification (3GPP TS 24.481 version 16.4.1 Release 16)
131	ETSI TS 124 484 V15.11.0 (2022-04)	LTE; Mission Critical Services (MCS) configuration management; Protocol specification (3GPP TS 24.484 version 15.11.0 Release 15)
132	ETSI TS 124 484 V16.11.0 (2022-04)	LTE; Mission Critical Services (MCS) configuration management; Protocol specification (3GPP TS 24.484 version 16.11.0 Release 16)
133	ETSI TS 124 484 V14.12.0 (2022-04)	LTE; Mission Critical Services (MCS) configuration management; Protocol specification (3GPP TS 24.484 version 14.12.0 Release 14)
134	ETSI TS 124 501 V16.11.0 (2022-04)	5G; Non-Access-Stratum (NAS) protocol for 5G System (5GS); Stage 3 (3GPP TS 24.501 version 16.11.0 Release 16)
135	ETSI TS 124 519 V16.5.0 (2022-04)	5G; 5G System (5GS); Time-Sensitive Networking (TSN) Application Function (AF) to Device-Side TSN Translator (DS-TT) and Network-Side TSN Translator (NW-TT) protocol aspects; Stage 3 (3GPP TS 24.519 version 16.5.0 Release 16)
136	ETSI TS 124 581 V15.8.0 (2022-04)	LTE; Mission Critical Video (MCVideo) media plane control; Protocol specification (3GPP TS 24.581 version 15.8.0 Release 15)
137	ETSI TS 124 581 V16.8.0 (2022-04)	LTE; Mission Critical Video (MCVideo) media plane control; Protocol specification (3GPP TS 24.581 version 16.8.0 Release 16)
138	ETSI TS 124 587 V16.8.0 (2022-04)	5G; Vehicle-to-Everything (V2X) services in 5G System (5GS); Stage 3 (3GPP TS 24.587 version 16.8.0 Release 16)
139	ETSI TS 126 114 V17.4.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction (3GPP TS 26.114 version 17.4.0 Release 17)
140	ETSI TS 126 116 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Television (TV) over 3GPP services; Video profiles (3GPP TS 26.116 version 17.0.0 Release 17)
141	ETSI TS 126 347 V17.0.0 (2022-04)	LTE; Multimedia Broadcast/Multicast Service (MBMS); Application Programming Interface and URL (3GPP TS 26.347 version 17.0.0 Release 17)
142	ETSI TS 126 512 V16.5.0 (2022-04)	5G; 5G Media Streaming (5GMS); Protocols (3GPP TS 26.512 version 16.5.0 Release 16)
143	ETSI TS 126 512 V17.0.0 (2022-04)	5G; 5G Media Streaming (5GMS); Protocols (3GPP TS 26.512 version 17.0.0 Release 17)
144	ETSI TS 127 001 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) (3GPP TS 27.001 version 17.0.0 Release 17)
145	ETSI TS 127 002 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Terminal Adaptation Functions (TAF) for services using asynchronous bearer capabilities (3GPP TS 27.002 version 17.0.0 Release 17)
146	ETSI TS 127 003 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Terminal Adaptation Functions (TAF) for services using synchronous bearer capabilities (3GPP TS 27.003 version 17.0.0 Release 17)

147	ETSI TS 127 007 V16.11.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; AT command set for User Equipment (UE) (3GPP TS 27.007 version 16.11.0 Release 16)
148	ETSI TS 127 010 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Terminal Equipment to User Equipment (TE-UE) multiplexer protocol (3GPP TS 27.010 version 17.0.0 Release 17)
149	ETSI TS 127 060 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Packet domain; Mobile Station (MS) supporting Packet Switched services (3GPP TS 27.060 version 17.0.0 Release 17)
150	ETSI TS 128 201 V17.0.0 (2022-04)	5G; Charging management; Network slice performance and analytics charging in the 5G System (5GS); Stage 2 (3GPP TS 28.201 version 17.0.0 Release 17)
151	ETSI TS 128 202 V17.0.0 (2022-04)	5G; Charging management; Network slice management charging in the 5G System (5GS); Stage 2 (3GPP TS 28.202 version 17.0.0 Release 17)
152	ETSI TS 128 301 V17.0.0 (2022-04)	LTE; Telecommunication management; Licensed Shared Access (LSA) Controller (LC) Integration Reference Point (IRP); Requirements (3GPP TS 28.301 version 17.0.0 Release 17)
153	ETSI TS 128 302 V17.0.0 (2022-04)	LTE; Telecommunication management; Licensed Shared Access (LSA) Controller (LC) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.302 version 17.0.0 Release 17)
154	ETSI TS 128 303 V17.0.0 (2022-04)	LTE; Telecommunication management; Licensed Shared Access (LSA) Controller (LC) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.303 version 17.0.0 Release 17)
155	ETSI TS 128 304 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP); Requirements (3GPP TS 28.304 version 17.0.0 Release 17)
156	ETSI TS 128 305 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.305 version 17.0.0 Release 17)
157	ETSI TS 128 306 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.306 version 17.0.0 Release 17)
158	ETSI TS 128 307 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Quality of Experience (QoE) measurement collection Integration Reference Point (IRP); Requirements (3GPP TS 28.307 version 17.0.0 Release 17)
159	ETSI TS 128 308 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Quality of Experience (QoE) measurement collection Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.308 version 17.0.0 Release 17)

160	ETSI TS 128 309 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Management of Quality of Experience (QoE) measurement collection Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.309 version 17.0.0 Release 17)
161	ETSI TS 129 007 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) (3GPP TS 29.007 version 17.0.0 Release 17)
162	ETSI TS 129 153 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Service capability exposure functionality over Ns reference point (3GPP TS 29.153 version 17.0.0 Release 17)
163	ETSI TS 129 154 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Service capability exposure functionality over Nt reference point (3GPP TS 29.154 version 17.0.0 Release 17)
164	ETSI TS 129 164 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Interworking between the 3GPP CS domain with BICC or ISUP as signalling protocol and external SIP-I networks (3GPP TS 29.164 version 17.0.0 Release 17)
165	ETSI TS 129 215 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Policy and Charging Control (PCC) over S9 reference point; Stage 3 (3GPP TS 29.215 version 17.0.0 Release 17)
166	ETSI TS 129 217 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Policy and Charging Control (PCC); Congestion reporting over Np reference point (3GPP TS 29.217 version 17.0.0 Release 17)
167	ETSI TS 129 219 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Policy and charging control: Spending limit reporting over Sy reference point (3GPP TS 29.219 version 17.0.0 Release 17)
168	ETSI TS 129 250 V17.0.0 (2022-04)	LTE; Nu reference point between SCEF and PFDF for sponsored data connectivity (3GPP TS 29.250 version 17.0.0 Release 17)
169	ETSI TS 129 311 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Service Level Interworking (SLI) for messaging services (3GPP TS 29.311 version 17.0.0 Release 17)
170	ETSI TS 129 343 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Proximity-services (ProSe) function to ProSe application server aspects (PC2); Stage 3 (3GPP TS 29.343 version 17.0.0 Release 17)
171	ETSI TS 129 368 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Tsp interface protocol between the MTC Interworking Function (MTC-IWF) and Service Capability Server (SCS) (3GPP TS 29.368 version 17.0.0 Release 17)
172	ETSI TS 129 379 V16.4.0 (2022-04)	LTE; 5G; Mission Critical Push To Talk (MCPTT) call control interworking with Land Mobile Radio (LMR) systems; Stage-3 (3GPP TS 29.379 version 16.4.0 Release 16)
173	ETSI TS 129 414 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Core network Nb data transport and transport signalling (3GPP TS 29.414 version 17.0.0 Release 17)
174	ETSI TS 129 415 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Core network Nb interface user plane protocols (3GPP TS 29.415 version 17.0.0 Release 17)
175	ETSI TS 129 582 V16.4.0 (2022-04)	LTE; 5G; Mission Critical Data (MCData) interworking with Land Mobile Radio (LMR) systems; Stage 3 (3GPP TS 29.582 version 16.4.0 Release 16)

176	ETSI TS 129 658 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; SIP Transfer of IP Multimedia Service Tariff Information; Protocol specification (3GPP TS 29.658 version 17.0.0 Release 17)
177	ETSI TR 129 909 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Diameter-based protocols usage and recommendations in 3GPP (3GPP TR 29.909 version 17.0.0 Release 17)
178	ETSI TR 129 949 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Study on technical aspects on roaming end-to-end scenarios with Voice over LTE (VoLTE) IP Multimedia Subsystem (IMS) and other networks (3GPP TR 29.949 version 17.0.0 Release 17)
179	ETSI TS 131 121 V16.6.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 16.6.0 Release 16)
180	ETSI TS 133 105 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Cryptographic algorithm requirements (3GPP TS 33.105 version 17.0.0 Release 17)
181	ETSI TS 133 106 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 3G security; Lawful interception requirements (3GPP TS 33.106 version 17.0.0 Release 17)
182	ETSI TS 133 108 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 3G security; Handover interface for Lawful Interception (LI) (3GPP TS 33.108 version 17.0.0 Release 17)
183	ETSI TS 133 110 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Key establishment between a Universal Integrated Circuit Card (UICC) and a terminal (3GPP TS 33.110 version 17.0.0 Release 17)
184	ETSI TS 133 116 V17.0.0 (2022-04)	LTE; Security Assurance Specification (SCAS) for the MME network product class (3GPP TS 33.116 version 17.0.0 Release 17)
185	ETSI TS 133 122 V17.0.0 (2022-04)	LTE; 5G; Security aspects of Common API Framework (CAPIF) for 3GPP northbound APIs (3GPP TS 33.122 version 17.0.0 Release 17)
186	ETSI TS 133 128 V15.8.0 (2022-04)	LTE; 5G; Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Security; Protocol and procedures for Lawful Interception (LI);
187	ETSI TS 133 128 V16.10.0 (2022-04)	LTE; 5G; Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Security; Protocol and procedures for Lawful Interception (LI);
188	ETSI TS 133 141 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Presence service; Security (3GPP TS 33.141 version 17.0.0 Release 17)
189	ETSI TS 133 180 V16.9.0 (2022-04)	LTE; Security of the Mission Critical (MC) service (3GPP TS 33.180 version 16.9.0 Release 16)
190	ETSI TS 133 185 V17.0.0. (2022-04)	LTE; 5G; Security aspect for LTE support of Vehicle-to-Everything (V2X) services (3GPP TS 33.185 version 17.0.0 Release 17)

191	ETSI TS 133 187 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Security aspects of Machine-Type Communications (MTC) and other mobile data applications communications enhancements (3GPP TS 33.187 version 17.0.0 Release 17)
192	ETSI TS 133 204 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Network Domain Security (NDS); Transaction Capabilities Application Part (TCAP) user security (3GPP TS 33.204 version 17.0.0 Release 17)
193	ETSI TS 133 221 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Generic Authentication Architecture (GAA); Support for subscriber certificates (3GPP TS 33.221 version 17.0.0 Release 17)
194	ETSI TS 133 224 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) push layer (3GPP TS 33.224 version 17.0.0 Release 17)
195	ETSI TS 133 234 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3G security; Wireless Local Area Network (WLAN) interworking security (3GPP TS 33.234 version 17.0.0 Release 17)
196	ETSI TS 133 246 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS) (3GPP TS 33.246 version 17.0.0 Release 17)
197	ETSI TS 133 250 V17.0.0 (2022-04)	LTE; Security assurance specification for the PGW network product class (3GPP TS 33.250 version 17.0.0 Release 17)
198	ETSI TS 133 259 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Key establishment between a UICC hosting device and a remote device (3GPP TS 33.259 version 17.0.0 Release 17)
199	ETSI TS 133 310 V16.9.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Domain Security (NDS); Authentication Framework (AF) (3GPP TS 33.310 version 16.9.0 Release 16)
200	ETSI TS 133 320 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Security of Home Node B (HNB) / Home evolved Node B (HeNB) (3GPP TS 33.320 version 17.0.0 Release 17)
201	ETSI TS 133 402 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3GPP System Architecture Evolution (SAE); Security aspects of non-3GPP accesses (3GPP TS 33.402 version 17.0.0 Release 17)
202	ETSI TS 133 434 V16.3.1 (2022-04)	LTE; 5G; Security aspects of Service Enabler Architecture Layer (SEAL) for verticals (3GPP TS 33.434 version 16.3.1 Release 16)
203	ETSI TS 133 434 V17.1.1 (2022-04)	LTE; 5G; Security aspects of Service Enabler Architecture Layer (SEAL) for verticals (3GPP TS 33.434 version 17.1.1 Release 17)
204	ETSI TS 133 501 V16.10.0 (2022-04)	5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 16.10.0 Release 16)
205	ETSI TS 133 501 V16.9.1 (2022-04)	5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 16.9.1 Release 16)
206	ETSI TS 133 501 V15.15.0 (2022-04)	5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 15.15.0 Release 15)
207	ETSI TS 133 515 V17.0.0 (2022-04)	5G; 5G Security Assurance Specification (SCAS) for the Session Management Function (SMF) network product class (3GPP TS 33.515 version 17.0.0 Release 17)

208	ETSI TS 133 516 V17.0.0 (2022-04)	5G; 5G Security Assurance Specification (SCAS) for the Authentication Server Function (AUSF) network product class (3GPP TS 33.516 version 17.0.0 Release 17)
209	ETSI TS 133 518 V17.0.0 (2022-04)	5G; 5G Security Assurance Specification (SCAS) for the Network Repository Function (NRF) network product class (3GPP TS 33.518 version 17.0.0 Release 17)
210	ETSI TS 133 519 V17.0.0 (2022-04)	5G; 5G Security Assurance Specification (SCAS) for the Network Exposure Function (NEF) network product class (3GPP TS 33.519 version 17.0.0 Release 17)
211	ETSI TS 133 536 V17.0.0 (2022-04)	LTE; 5G; Security aspects of 3GPP support for advanced Vehicle-to-Everything (V2X) services (3GPP TS 33.536 version 17.0.0 Release 17)
212	ETSI TR 133 905 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Recommendations for Trusted Open Platforms (3GPP TR 33.905 version 17.0.0 Release 17)
213	ETSI TR 133 916 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Security Assurance Methodology (SECAM) for 3GPP network products (3GPP TR 33.916 version 17.0.0 Release 17)
214	ETSI TR 133 919 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Generic Authentication Architecture (GAA); System description (3GPP TR 33.919 version 17.0.0 Release 17)
215	ETSI TR 133 924 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Identity management and 3GPP security interworking; Identity management and Generic Authentication Architecture (GAA) interworking (3GPP TR 33.924 version 17.0.0 Release 17)
216	ETSI TR 133 935 V17.0.0 (2022-04)	LTE; 5G; Study on detailed Long Term Key Update Process (LTKUP) detailed solutions (3GPP TR 33.935 version 17.0.0 Release 17)
217	ETSI TR 133 937 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Study of mechanisms for Protection against Unsolicited Communication for IMS (PUCI) (3GPP TR 33.937 version 17.0.0 Release 17)
218	ETSI TR 133 969 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study on security aspects of Public Warning System (PWS) (3GPP TR 33.969 version 17.0.0 Release 17)
219	ETSI TR 133 980 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Liberty Alliance and 3GPP security interworking; Interworking of Liberty Alliance Identity Federation Framework (ID-FF), Identity Web Services Framework (ID-WSF) and Generic Authentication Architecture (GAA) (3GPP TR 33.980 version 17.0.0 Release 17)
220	ETSI TR 133 995 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Study on security aspects of integration of Single Sign-On (SSO) frameworks with 3GPP operator-controlled resources and mechanisms (3GPP TR 33.995 version 17.0.0 Release 17)
221	ETSI TS 135 201 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specification (3GPP TS 35.201 version 17.0.0 Release 17)
222	ETSI TS 135 202 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi specification (3GPP TS 35.202 version 17.0.0 Release 17)

223	ETSI TS 135 203 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data (3GPP TS 35.203 version 17.0.0 Release 17)
224	ETSI TS 135 204 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data (3GPP TS 35.204 version 17.0.0 Release 17)
225	ETSI TS 135 205 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General (3GPP TS 35.205 version 17.0.0 Release 17)
226	ETSI TS 135 206 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification (3GPP TS 35.206 version 17.0.0 Release 17)
227	ETSI TS 135 207 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data (3GPP TS 35.207 version 17.0.0 Release 17)
228	ETSI TS 135 208 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data (3GPP TS 35.208 version 17.0.0 Release 17)
229	ETSI TS 135 215 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 1: UEA2 and UIA2 specifications (3GPP TS 35.215 version 17.0.0 Release 17)
230	ETSI TS 135 216 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 2: SNOW 3G specification (3GPP TS 35.216 version 17.0.0 Release 17)
231	ETSI TS 135 217 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 3: Implementors' test data (3GPP TS 35.217 version 17.0.0 Release 17)
232	ETSI TS 135 218 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 4: Design conformance test data (3GPP TS 35.218 version 17.0.0 Release 17)
233	ETSI TS 135 221 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3; Document 1: EEA3 and EIA3 specifications (3GPP TS 35.221 version 17.0.0 Release 17)
234	ETSI TS 135 222 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3; Document 2: ZUC specification (3GPP TS 35.222 version 17.0.0 Release 17)

235	ETSI TS 135 223 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3; Document 3: Implementors' test data (3GPP TS 35.223 version 17.0.0 Release 17)
236	ETSI TS 135 231 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: Algorithm specification (3GPP TS 35.231 version 17.0.0 Release 17)
237	ETSI TS 135 232 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Implementers' test data (3GPP TS 35.232 version 17.0.0 Release 17)
238	ETSI TS 135 233 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Design conformance test data (3GPP TS 35.233 version 17.0.0 Release 17)
239	ETSI TR 135 909 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation (3GPP TR 35.909 version 17.0.0 Release 17)
240	ETSI TR 135 919 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 5: Design and evaluation report (3GPP TR 35.919 version 17.0.0 Release 17)
241	ETSI TR 135 924 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3; Document 4: Design and Evaluation Report (3GPP TR 35.924 version 17.0.0 Release 17)
242	ETSI TR 135 934 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Report on the design and evaluation (3GPP TR 35.934 version 17.0.0 Release 17)
243	ETSI TR 135 935 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Performance evaluation (3GPP TR 35.935 version 17.0.0 Release 17)
244	ETSI TR 135 936 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUAK algorithm set: A second example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 6: Security assessment (3GPP TR 35.936 version 17.0.0 Release 17)
245	ETSI TS 136 101 V10.32.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 10.32.0 Release 10)
246	ETSI TS 136 101 V12.29.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 12.29.0 Release 12)

247	ETSI TS 136 101 V11.29.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 11.29.0 Release 11)
248	ETSI TS 136 101 V14.21.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 14.21.0 Release 14)
249	ETSI TS 136 101 V13.23.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 13.23.0 Release 13)
250	ETSI TS 136 101 V15.17.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 15.17.0 Release 15)
251	ETSI TS 137 480 V17.0.0 (2022-04)	5G; E1 general aspects and principles (3GPP TS 37.480 version 17.0.0 Release 17)
252	ETSI TS 137 481 V17.0.0 (2022-04)	5G; E1 layer 1 (3GPP TS 37.481 version 17.0.0 Release 17)
253	ETSI TS 138 523-1 V16.10.0 (2022-04)	5G; LTE; 5GS; User Equipment (UE) conformance specification; Part 1: Protocol (3GPP TS 38.523-1 version 16.10.0 Release 16)
254	ETSI TR 141 031 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Fraud Information Gathering System (FIGS); Service requirements; Stage 0 (3GPP TR 41.031 version 17.0.0 Release 17)
255	ETSI TS 141 101 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Technical Specifications and Technical Reports for a GERAN-based 3GPP system (3GPP TS 41.101 version 17.0.0 Release 17)
256	ETSI TS 143 010 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); GSM Public Land Mobile Network (PLMN) connection types (3GPP TS 43.010 version 17.0.0 Release 17)
257	ETSI TS 143 020 V11.4.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Security related network functions (3GPP TS 43.020 version 11.4.0 Release 11)
258	ETSI TS 143 020 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Security related network functions (3GPP TS 43.020 version 17.0.0 Release 17)
259	ETSI TS 143 045 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Technical realization of facsimile group 3 transparent (3GPP TS 43.045 version 17.0.0 Release 17)
260	ETSI TS 144 021 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Rate adaption on the Mobile Station - Base Station System (MS - BSS) interface (3GPP TS 44.021 version 17.0.0 Release 17)
261	ETSI TS 148 020 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Rate adaption on the Base Station System - Mobile-services Switching Centre (BSS - MSC) interface (3GPP TS 48.020 version 17.0.0 Release 17)
262	ETSI TS 155 205 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8 (3GPP TS 55.205 version 17.0.0 Release 17)
263	ETSI TS 155 216 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); 3G Security; Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 1: A5/3 and GEA3 specifications (3GPP TS 55.216 version 17.0.0 Release 17)

264	ETSI TS 155 217 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); 3G Security; Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data (3GPP TS 55.217 version 17.0.0 Release 17)
265	ETSI TS 155 218 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); 3G Security; Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 3: Design conformance test data (3GPP TS 55.218 version 17.0.0 Release 17)
266	ETSI TS 155 226 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); 3G Security; Specification of the A5/4 Encryption Algorithms for GSM and ECSD, and the GEA4 Encryption Algorithm for GPRS (3GPP TS 55.226 version 17.0.0 Release 17)
267	ETSI TS 155 236 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Specification of A8_V MILENAGE Algorithm: An example algorithm for the key generation function A8_V (3GPP TS 55.236 version 17.0.0 Release 17)
268	ETSI TS 155 241 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GIA4 integrity algorithm for General Packet Radio Service (GPRS); GIA4 specification (3GPP TS 55.241 version 17.0.0 Release 17)
269	ETSI TS 155 242 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GIA4 integrity algorithm for General Packet Radio Service (GPRS); Implementors' test data (3GPP TS 55.242 version 17.0.0 Release 17)
270	ETSI TS 155 243 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GIA4 integrity algorithm for General Packet Radio Service (GPRS); Design conformance test data (3GPP TS 55.243 version 17.0.0 Release 17)
271	ETSI TS 155 251 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GEA5 and GIA5 encryption algorithms for General Packet Radio Service (GPRS); GEA5 and GIA5 algorithm specification (3GPP TS 55.251 version 17.0.0 Release 17)
272	ETSI TS 155 252 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GEA5 encryption and GIA5 integrity algorithms for General Packet Radio Service (GPRS); Implementors' test data (3GPP TS 55.252 version 17.0.0 Release 17)
273	ETSI TS 155 253 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GEA5 encryption and GIA5 integrity algorithms for General Packet Radio Service (GPRS); Design conformance test data (3GPP TS 55.253 version 17.0.0 Release 17)
274	ETSI TR 155 919 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); 3G Security; Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 4: Design and evaluation report (3GPP TR 55.919 version 17.0.0 Release 17)
275	ETSI ES 202 781 V1.9.1 (2022-04)	Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; TTCN-3 Language Extensions: Configuration and Deployment Support
276	ETSI ES 202 784 V1.9.1 (2022-04)	Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; TTCN-3 Language Extensions: Advanced Parameterization
277	ETSI ES 202 786 V1.5.1 (2022-04)	Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; TTCN-3 Language Extensions: Support of interfaces with continuous signals

278	ETSI ES 202 789 V1.6.1 (2022-04)	Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; TTCN-3 Language Extensions: Extended TRI
279	ETSI ES 203 022 V1.5.1 (2022-04)	Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; TTCN-3 Language extension: Advanced Matching
280	ETSI ES 203 790 V1.4.1 (2022-04)	Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; TTCN-3 Language Extensions: Object-Oriented Features
281	ETSI TS 100 488 V1.2.1 (2022-04)	Speech and multimedia Transmission Quality (STQ); Telephony for hearing impaired people; Characteristics of telephone sets that provide additional receiving amplification for the benefit of the hearing impaired
282	ETSI TS 102 232-2 V3.14.1 (2022-04)	Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 2: Service-specific details for messaging services
283	ETSI TS 102 873 V1.2.1 (2022-04)	Access, Terminals, Transmission and Multiplexing (ATTM); Optical External Network Test Interface
284	ETSI TR 103 305-1 V4.1.2 (2022-04)	Cyber Security (CYBER); Critical Security Controls for Effective Cyber Defence; Part 1: The Critical Security Controls
285	ETSI TS 122 268 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Public Warning System (PWS) requirements (3GPP TS 22.268 version 17.0.0 Release 17)
286	ETSI TS 123 009 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Handover procedures (3GPP TS 23.009 version 17.0.0 Release 17)
287	ETSI TS 123 011 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Technical realization of Supplementary Services (3GPP TS 23.011 version 17.0.0 Release 17)
288	ETSI TS 123 012 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Location management procedures (3GPP TS 23.012 version 17.0.0 Release 17)
289	ETSI TS 123 015 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Technical realization of Operator Determined Barring (ODB) (3GPP TS 23.015 version 17.0.0 Release 17)
290	ETSI TS 123 016 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Subscriber data management; Stage 2 (3GPP TS 23.016 version 17.0.0 Release 17)
291	ETSI TS 123 066 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Support of Mobile Number Portability (MNP); Technical realization; Stage 2 (3GPP TS 23.066 version 17.0.0 Release 17)
292	ETSI TS 123 067 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2 (3GPP TS 23.067 version 17.0.0 Release 17)
293	ETSI TS 123 072 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Deflection (CD) supplementary service; Stage 2 (3GPP TS 23.072 version 17.0.0 Release 17)

294	ETSI TS 123 078 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 4; Stage 2 (3GPP TS 23.078 version 17.0.0 Release 17)
295	ETSI TS 123 079 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Support of Optimal Routing (SOR); Technical realization (3GPP TS 23.079 version 17.0.0 Release 17)
296	ETSI TS 123 081 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Line Identification supplementary services; Stage 2 (3GPP TS 23.081 version 17.0.0 Release 17)
297	ETSI TS 123 082 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) supplementary services; Stage 2 (3GPP TS 23.082 version 17.0.0 Release 17)
298	ETSI TS 123 083 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 2 (3GPP TS 23.083 version 17.0.0 Release 17)
299	ETSI TS 123 084 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multi Party (MPTY) supplementary service; Stage 2 (3GPP TS 23.084 version 17.0.0 Release 17)
300	ETSI TS 123 085 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) supplementary service; Stage 2 (3GPP TS 23.085 version 17.0.0 Release 17)
301	ETSI TS 123 086 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Advice of Charge (AoC) supplementary services; Stage 2 (3GPP TS 23.086 version 17.0.0 Release 17)
302	ETSI TS 123 087 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS) supplementary service; Stage 2 (3GPP TS 23.087 version 17.0.0 Release 17)
303	ETSI TS 123 088 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Barring (CB) Supplementary Services; Stage 2 (3GPP TS 23.088 version 17.0.0 Release 17)
304	ETSI TS 123 090 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Unstructured Supplementary Service Data (USSD); Stage 2 (3GPP TS 23.090 version 17.0.0 Release 17)
305	ETSI TS 123 091 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Explicit Call Transfer (ECT) supplementary service; Stage 2 (3GPP TS 23.091 version 17.0.0 Release 17)
306	ETSI TS 123 284 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Local Call Local Switch (LCLS); Stage 2 (3GPP TS 23.284 version 17.0.0 Release 17)
307	ETSI TS 124 067 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3 (3GPP TS 24.067 version 17.0.0 Release 17)

308	ETSI TS 126 132 V17.1.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech and video telephony terminal acoustic test specification (3GPP TS 26.132 version 17.1.0 Release 17)
309	ETSI TS 126 247 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Transparent end-to-end Packet-switched Streaming Service (PSS); Progressive Download and Dynamic Adaptive Streaming over HTTP (3GP-DASH) (3GPP TS 26.247 version 17.0.0 Release 17)
310	ETSI TS 126 346 V16.10.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs (3GPP TS 26.346 version 16.10.0 Release 16)
311	ETSI TS 126 501 V17.1.0 (2022-04)	5G; 5G Media Streaming (5GMS); General description and architecture (3GPP TS 26.501 version 17.1.0 Release 17)
312	ETSI TS 126 511 V17.1.0 (2022-04)	5G; 5G Media Streaming (5GMS); Profiles, codecs and formats (3GPP TS 26.511 version 17.1.0 Release 17)
313	ETSI TR 126 925 V17.1.0 (2022-04)	5G; Typical traffic characteristics of media services on 3GPP networks (3GPP TR 26.925 version 17.1.0 Release 17)
314	ETSI TR 126 962 V17.0.0 (2022-04)	5G; Immersive Teleconferencing and Telepresence for Remote Terminals (ITT4RT) Operation and Usage Guidelines (3GPP TR 26.962 version 17.0.0 Release 17)
315	ETSI TR 126 998 V17.0.0 (2022-04)	LTE; 5G; Support of 5G glass-type Augmented Reality / Mixed Reality (AR/MR) devices (3GPP TR 26.998 version 17.0.0 Release 17)
316	ETSI TS 128 311 V17.0.0 (2022-04)	5G; LTE; Management and orchestration; Network policy management for mobile networks based on Network Function Virtualization (NFV) scenarios (3GPP TS 28.311 version 17.0.0 Release 17)
317	ETSI TS 128 390 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC); Interface Integration Reference Point (IRP) Solution Profiles (SPs) (3GPP TS 28.390 version 17.0.0 Release 17)
318	ETSI TS 128 402 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements for Evolved Packet Core (EPC) and non-3GPP access interworking system (3GPP TS 28.402 version 17.0.0 Release 17)
319	ETSI TS 128 403 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements for Wireless Local Area Network (WLAN) (3GPP TS 28.403 version 17.0.0 Release 17)
320	ETSI TS 128 406 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Quality of Experience (QoE) measurement collection; Information definition and transport (3GPP TS 28.406 version 17.0.0 Release 17)
321	ETSI TS 128 500 V17.0.0 (2022-04)	LTE; Telecommunication management; Management concept, architecture and requirements for mobile networks that include virtualized network functions (3GPP TS 28.500 version 17.0.0 Release 17)
322	ETSI TS 128 510 V17.0.0 (2022-04)	LTE; Telecommunication management; Configuration Management (CM) for mobile networks that include virtualized network functions; Requirements (3GPP TS 28.510 version 17.0.0 Release 17)
323	ETSI TS 128 511 V17.0.0 (2022-04)	LTE; Telecommunication management; Configuration Management (CM) for mobile networks that include virtualized network functions; Procedures (3GPP TS 28.511 version 17.0.0 Release 17)

324	ETSI TS 128 512 V17.0.0 (2022-04)	LTE; Telecommunication management; Configuration Management (CM) for mobile networks that include virtualized network functions; Stage 2 (3GPP TS 28.512 version 17.0.0 Release 17)
325	ETSI TS 128 513 V17.0.0 (2022-04)	LTE; Telecommunication management; Configuration Management (CM) for mobile networks that include virtualized network functions; Stage 3 (3GPP TS 28.513 version 17.0.0 Release 17)
326	ETSI TS 128 515 V17.0.0 (2022-04)	LTE; Telecommunication management; Fault Management (FM) for mobile networks that include virtualized network functions; Requirements (3GPP TS 28.515 version 17.0.0 Release 17)
327	ETSI TS 128 516 V17.0.0 (2022-04)	LTE; Telecommunication management; Fault Management (FM) for mobile networks that include virtualized network functions; Procedures (3GPP TS 28.516 version 17.0.0 Release 17)
328	ETSI TS 128 517 V17.0.0 (2022-04)	LTE; Telecommunication management; Fault Management (FM) for mobile networks that include virtualized network functions; Stage 2 (3GPP TS 28.517 version 17.0.0 Release 17)
329	ETSI TS 128 518 V17.0.0 (2022-04)	LTE; Telecommunication management; Fault Management (FM) for mobile networks that include virtualized network functions; Stage 3 (3GPP TS 28.518 version 17.0.0 Release 17)
330	ETSI TS 128 520 V17.0.0 (2022-04)	LTE; Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Requirements (3GPP TS 28.520 version 17.0.0 Release 17)
331	ETSI TS 128 521 V17.0.0 (2022-04)	LTE; Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Procedures (3GPP TS 28.521 version 17.0.0 Release 17)
332	ETSI TS 128 522 V17.0.0 (2022-04)	LTE; Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Stage 2 (3GPP TS 28.522 version 17.0.0 Release 17)
333	ETSI TS 128 523 V17.0.0 (2022-04)	LTE; Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Stage 3 (3GPP TS 28.523 version 17.0.0 Release 17)
334	ETSI TS 128 525 V17.0.0 (2022-04)	LTE; Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Requirements (3GPP TS 28.525 version 17.0.0 Release 17)
335	ETSI TS 128 526 V17.0.0 (2022-04)	LTE; Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Procedures (3GPP TS 28.526 version 17.0.0 Release 17)
336	ETSI TS 128 527 V17.0.0 (2022-04)	LTE; Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Stage 2 (3GPP TS 28.527 version 17.0.0 Release 17)
337	ETSI TS 128 528 V17.0.0 (2022-04)	LTE; Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Stage 3 (3GPP TS 28.528 version 17.0.0 Release 17)
338	ETSI TS 128 550 V17.0.0 (2022-04)	5G; Management and orchestration; Performance assurance (3GPP TS 28.550 version 17.0.0 Release 17)

339	ETSI TS 128 611 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Packet Core (EPC) and non-3GPP access interworking system Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.611 version 17.0.0 Release 17)
340	ETSI TS 128 612 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Packet Core (EPC) and non-3GPP access interworking system Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.612 version 17.0.0 Release 17)
341	ETSI TS 128 616 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Packet Core (EPC) and non-3GPP access interworking system Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.616 version 17.0.0 Release 17)
342	ETSI TS 128 620 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) Umbrella Information Model (UIM) (3GPP TS 28.620 version 17.0.0 Release 17)
343	ETSI TS 128 621 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.621 version 17.0.0 Release 17)
344	ETSI TS 128 624 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; State management data definition Integration Reference Point (IRP); Requirements (3GPP TS 28.624 version 17.0.0 Release 17)
345	ETSI TS 128 625 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; State management data definition Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.625 version 17.0.0 Release 17)
346	ETSI TS 128 626 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; State management data definition Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.626 version 17.0.0 Release 17)
347	ETSI TS 128 627 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-Organizing Networks (SON) Policy Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.627 version 17.0.0 Release 17)
348	ETSI TS 128 628 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-Organizing Networks (SON) Policy Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.628 version 17.0.0 Release 17)
349	ETSI TS 128 629 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-Organizing Networks (SON) Policy Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.629 version 17.0.0 Release 17)
350	ETSI TS 128 631 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.631 version 17.0.0 Release 17)

351	ETSI TS 128 632 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.632 version 17.0.0 Release 17)
352	ETSI TS 128 633 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.633 version 17.0.0 Release 17)
353	ETSI TS 128 651 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Universal Terrestrial Radio Access Network (UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.651 version 17.0.0 Release 17)
354	ETSI TS 128 652 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Universal Terrestrial Radio Access Network (UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.652 version 17.0.0 Release 17)
355	ETSI TS 128 653 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Universal Terrestrial Radio Access Network (UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.653 version 17.0.0 Release 17)
356	ETSI TS 128 654 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.654 version 17.0.0 Release 17)
357	ETSI TS 128 655 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.655 version 17.0.0 Release 17)
358	ETSI TS 128 656 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.656 version 17.0.0 Release 17)
359	ETSI TS 128 657 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.657 version 17.0.0 Release 17)
360	ETSI TS 128 659 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.659 version 17.0.0 Release 17)
361	ETSI TS 128 661 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.661 version 17.0.0 Release 17)

362	ETSI TS 128 662 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.662 version 17.0.0 Release 17)
363	ETSI TS 128 663 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.663 version 17.0.0 Release 17)
364	ETSI TS 128 667 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Radio Planning Tool Access (RPTA) Integration Reference Point (IRP); Requirements (3GPP TS 28.667 version 17.0.0 Release 17)
365	ETSI TS 128 668 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Radio Planning Tool Access (RPTA) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.668 version 17.0.0 Release 17)
366	ETSI TS 128 669 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Radio Planning Tool Access (RPTA) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.669 version 17.0.0 Release 17)
367	ETSI TS 128 671 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) Subsystem (HNS) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.671 version 17.0.0 Release 17)
368	ETSI TS 128 672 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) Subsystem (HNS) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.672 version 17.0.0 Release 17)
369	ETSI TS 128 673 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) Subsystem (HNS) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.673 version 17.0.0 Release 17)
370	ETSI TS 128 674 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home enhanced Node B (HeNB) Subsystem (HeNS) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.674 version 17.0.0 Release 17)
371	ETSI TS 128 675 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home enhanced Node B (HeNB) Subsystem (HeNS) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.675 version 17.0.0 Release 17)
372	ETSI TS 128 676 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home enhanced Node B (HeNB) Subsystem (HeNS) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.676 version 17.0.0 Release 17)
373	ETSI TS 128 680 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Wireless Local Area Network (WLAN) management; Concepts and requirements (3GPP TS 28.680 version 17.0.0 Release 17)

374	ETSI TS 128 681 V17.0.0 (2022-04)	LTE; Telecommunication management; Wireless Local Area Network (WLAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.681 version 17.0.0 Release 17)
375	ETSI TS 128 682 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Wireless Local Area Network (WLAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.682 version 17.0.0 Release 17)
376	ETSI TS 128 683 V17.0.0 (2022-04)	LTE; Telecommunication management; Wireless Local Area Network (WLAN) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.683 version 17.0.0 Release 17)
377	ETSI TS 128 701 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Core Network (CN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.701 version 17.0.0 Release 17)
378	ETSI TS 128 702 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Core Network (CN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.702 version 17.0.0 Release 17)
379	ETSI TS 128 703 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Core Network (CN) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.703 version 17.0.0 Release 17)
380	ETSI TS 128 704 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.704 version 17.0.0 Release 17)
381	ETSI TS 128 705 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.705 version 17.0.0 Release 17)
382	ETSI TS 128 706 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.706 version 17.0.0 Release 17)
383	ETSI TS 128 707 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.707 version 17.0.0 Release 17)
384	ETSI TS 128 708 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.708 version 17.0.0 Release 17)
385	ETSI TS 128 709 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.709 version 17.0.0 Release 17)

386	ETSI TS 128 731 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.731 version 17.0.0 Release 17)
387	ETSI TS 128 732 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.732 version 17.0.0 Release 17)
388	ETSI TS 128 733 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.733 version 17.0.0 Release 17)
389	ETSI TS 128 734 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.734 version 17.0.0 Release 17)
390	ETSI TS 128 735 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.735 version 17.0.0 Release 17)
391	ETSI TS 128 736 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.736 version 17.0.0 Release 17)
392	ETSI TS 128 751 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.751 version 17.0.0 Release 17)
393	ETSI TS 128 752 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.752 version 17.0.0 Release 17)
394	ETSI TS 128 753 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.753 version 17.0.0 Release 17)
395	ETSI TS 129 011 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Signalling Interworking for supplementary services (3GPP TS 29.011 version 17.0.0 Release 17)
396	ETSI TS 129 109 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Stage 3 (3GPP TS 29.109 version 17.0.0 Release 17)
397	ETSI TS 129 119 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR) (3GPP TS 29.119 version 17.0.0 Release 17)

398	ETSI TS 129 128 V17.0.0 (2022-04)	LTE; Universal Mobile Telecommunications System (UMTS); Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) interfaces for interworking with packet data networks and applications (3GPP TS 29.128 version 17.0.0 Release 17)
399	ETSI TS 129 173 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Location Services (LCS); Diameter-based SLh interface for Control Plane LCS (3GPP TS 29.173 version 17.0.0 Release 17)
400	ETSI TS 129 231 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Application of SIP-I Protocols to Circuit Switched (CS) core network architecture; Stage 3 (3GPP TS 29.231 version 17.0.0 Release 17)
401	ETSI TS 129 275 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Proxy Mobile IPv6 (PMIPv6) based Mobility and Tunnelling protocols; Stage 3 (3GPP TS 29.275 version 17.0.0 Release 17)
402	ETSI TS 129 279 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Mobile IPv4 (MIPv4) based mobility protocols; Stage 3 (3GPP TS 29.279 version 17.0.0 Release 17)
403	ETSI TS 129 305 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; InterWorking Function (IWF) between MAP based and Diameter based interfaces (3GPP TS 29.305 version 17.0.0 Release 17)
404	ETSI TS 129 344 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Proximity-services (ProSe) function to Home Subscriber Server (HSS) aspects; Stage 3 (3GPP TS 29.344 version 17.0.0 Release 17)
405	ETSI TS 129 364 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Application Server (AS) service data descriptions for AS interoperability (3GPP TS 29.364 version 17.0.0 Release 17)
406	ETSI TS 129 388 V17.0.0 (2022-04)	LTE; V2X Control Function to Home Subscriber Server (HSS) aspects (V4); Stage 3 (3GPP TS 29.388 version 17.0.0 Release 17)
407	ETSI TS 129 389 V17.0.0 (2022-04)	LTE; Inter-V2X Control Function Signalling aspects (V6); Stage 3 (3GPP TS 29.389 version 17.0.0 Release 17)
408	ETSI TS 129 405 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Nq and Nq' Application Protocol (Nq-AP); Stage 3 (3GPP TS 29.405 version 17.0.0 Release 17)
409	ETSI TS 129 674 V17.0.0 (2022-04)	LTE; 5G; Interface between the UE radio Capability Management Function (UCMF) and the Mobility Management Entity (MME); Stage 3 (3GPP TS 29.674 version 17.0.0 Release 17)
410	ETSI TS 136 101 V16.12.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 16.12.0 Release 16)
411	ETSI TS 186 001-5 V2.4.1 (2022-04)	Core Network and Interoperability Testing (INT); Network Integration Testing between SIP and ISDN/PSTN network signalling protocols; Part 5: Test Suite Structure and Test Purposes (TSS&TP)
412	ETSI ES 205 200-3-2 V1.1.1 (2022-04)	Access, Terminals, Transmission and Multiplexing (ATTM); Carbon Intensity Management; Operational infrastructures; Implementation of Global KPIs; Part 3: ICT Sites; Sub-part 2: DCCM
413	ETSI GR IPE 002 V1.1.1 (2022-04)	IPv6 Enhanced Innovation (IPE); IPv6 based Data Centers, Network and Cloud Integration
414	ETSI TS 103 280 V2.8.1 (2022-04)	Lawful Interception (LI); Dictionary for common parameters

415	ETSI TS 103 666-4 V17.0.0 (2022-04)	Smart Secure Platform (SSP); Part 4: Embedded SSP (eSSP) Type 2 characteristics (Release 17)
416	ETSI TS 103 818 V17.0.0 (2022-04)	Smart Secure Platform (SSP); I3C® interface (Release 17)
417	ETSI TS 122 119 V17.0.0 (2022-04)	LTE; 5G; Maritime communication services over 3GPP system (3GPP TS 22.119 version 17.0.0 Release 17)
418	ETSI TS 122 186 V17.0.0 (2022-04)	5G; Service requirements for enhanced V2X scenarios (3GPP TS 22.186 version 17.0.0 Release 17)
419	ETSI TS 122 240 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service requirements for 3GPP Generic User Profile (GUP); Stage 1 (3GPP TS 22.240 version 17.0.0 Release 17)
420	ETSI TS 122 242 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Digital Rights Management (DRM); Stage 1 (3GPP TS 22.242 version 17.0.0 Release 17)
421	ETSI TS 122 243 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Speech recognition framework for automated voice services; Stage 1 (3GPP TS 22.243 version 17.0.0 Release 17)
422	ETSI TS 122 246 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1 (3GPP TS 22.246 version 17.0.0 Release 17)
423	ETSI TS 122 250 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Group Management; Stage 1 (3GPP TS 22.250 version 17.0.0 Release 17)
424	ETSI TS 122 259 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service requirements for Personal Network Management (PNM); Stage 1 (3GPP TS 22.259 version 17.0.0 Release 17)
425	ETSI TS 122 279 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Combined Circuit Switched (CS) and IP Multimedia Subsystem (IMS) sessions; Stage 1 (3GPP TS 22.279 version 17.0.0 Release 17)
426	ETSI TS 122 281 V17.0.0 (2022-04)	LTE; 5G; Mission Critical (MC) video (3GPP TS 22.281 version 17.0.0 Release 17)
427	ETSI TS 122 282 V17.0.0 (2022-04)	LTE; 5G; Mission Critical (MC) data (3GPP TS 22.282 version 17.0.0 Release 17)
428	ETSI TS 122 340 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) messaging; Stage 1 (3GPP TS 22.340 version 17.0.0 Release 17)
429	ETSI TS 122 346 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Isolated Evolved Universal Terrestrial Radio Access Network (E-UTRAN) operation for public safety; Stage 1 (3GPP TS 22.346 version 17.0.0 Release 17)
430	ETSI TS 122 368 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service requirements for Machine-Type Communications (MTC); Stage 1 (3GPP TS 22.368 version 17.0.0 Release 17)
431	ETSI TS 122 519 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Business communication requirements (3GPP TS 22.519 version 17.0.0 Release 17)
432	ETSI TR 122 903 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study on Videotelephony teleservice (3GPP TR 22.903 version 17.0.0 Release 17)
433	ETSI TR 122 904 V17.0.0 (2022-04)	5G; Study on user-centric identifiers and authentication (3GPP TR 22.904 version 17.0.0 Release 17)

434	ETSI TR 122 906 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Study on IMS based peer-to-peer content distribution services (3GPP TR 22.906 version 17.0.0 Release 17)
435	ETSI TR 122 908 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Study on Paging Permission with Access Control (PPAC) (3GPP TR 22.908 version 17.0.0 Release 17)
436	ETSI TR 122 912 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study into network selection requirements for non-3GPP access (3GPP TR 22.912 version 17.0.0 Release 17)
437	ETSI TR 122 936 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multi-system terminals (3GPP TR 22.936 version 17.0.0 Release 17)
438	ETSI TR 122 940 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) messaging (3GPP TR 22.940 version 17.0.0 Release 17)
439	ETSI TR 122 942 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study on Value Added Services (VAS) for Short Message Service (SMS) (3GPP TR 22.942 version 17.0.0 Release 17)
440	ETSI TR 122 944 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Report on service requirements for UE functionality split (3GPP TR 22.944 version 17.0.0 Release 17)
441	ETSI TR 122 947 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Study on Personal Broadcast Service (PBS) (3GPP TR 22.947 version 17.0.0 Release 17)
442	ETSI TR 122 948 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study of requirements of IP-Multimedia Subsystem (IMS) convergent multimedia conferencing (3GPP TR 22.948 version 17.0.0 Release 17)
443	ETSI TR 122 949 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study on a generalized privacy capability (3GPP TR 22.949 version 17.0.0 Release 17)
444	ETSI TR 122 950 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Priority service feasibility study (3GPP TR 22.950 version 17.0.0 Release 17)
445	ETSI TR 122 951 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service aspects and requirements for network sharing (3GPP TR 22.951 version 17.0.0 Release 17)
446	ETSI TR 122 952 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Priority service guide (3GPP TR 22.952 version 17.0.0 Release 17)
447	ETSI TR 122 967 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Transferring of emergency call data (3GPP TR 22.967 version 17.0.0 Release 17)
448	ETSI TR 122 968 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study for requirements for a Public Warning System (PWS) service (3GPP TR 22.968 version 17.0.0 Release 17)

449	ETSI TR 122 973 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IMS Multimedia Telephony service; and supplementary services (3GPP TR 22.973 version 17.0.0 Release 17)
450	ETSI TR 122 977 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Feasibility study for speech-enabled services (3GPP TR 22.977 version 17.0.0 Release 17)
451	ETSI TR 122 978 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; All-IP network (AIPN) feasibility study (3GPP TR 22.978 version 17.0.0 Release 17)
452	ETSI TR 122 979 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Feasibility study on combined Circuit Switched (CS) calls and IP Multimedia Subsystem (IMS) sessions (3GPP TR 22.979 version 17.0.0 Release 17)
453	ETSI TR 122 980 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Network composition feasibility study (3GPP TR 22.980 version 17.0.0 Release 17)
454	ETSI TR 122 982 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study of Customised Alerting Tone (CAT) requirements (3GPP TR 22.982 version 17.0.0 Release 17)
455	ETSI TR 122 983 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Services alignment and migration (3GPP TR 22.983 version 17.0.0 Release 17)
456	ETSI TR 122 985 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Service requirements for the User Data Convergence (UDC) (3GPP TR 22.985 version 17.0.0 Release 17)
457	ETSI TR 122 986 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Study on Service Specific Access Control (3GPP TR 22.986 version 17.0.0 Release 17)
458	ETSI TR 122 987 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study of haptic services requirements (3GPP TR 22.987 version 17.0.0 Release 17)
459	ETSI TR 122 988 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Study on alternatives to E.164 for Machine-Type Communications (MTC) (3GPP TR 22.988 version 17.0.0 Release 17)
460	ETSI TS 123 014 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Support of Dual Tone Multi-Frequency (DTMF) signalling (3GPP TS 23.014 version 17.0.0 Release 17)
461	ETSI TS 123 034 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); High Speed Circuit Switched Data (HSCSD); Stage 2 (3GPP TS 23.034 version 17.0.0 Release 17)
462	ETSI TS 123 038 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Alphabets and language-specific information (3GPP TS 23.038 version 17.0.0 Release 17)
463	ETSI TS 123 042 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Compression algorithm for text messaging services (3GPP TS 23.042 version 17.0.0 Release 17)

464	ETSI TS 123 093 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 (3GPP TS 23.093 version 17.0.0 Release 17)
465	ETSI TS 123 094 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Follow-Me (FM); Stage 2 (3GPP TS 23.094 version 17.0.0 Release 17)
466	ETSI TS 123 096 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Name identification supplementary services; Stage 2 (3GPP TS 23.096 version 17.0.0 Release 17)
467	ETSI TS 123 097 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multiple Subscriber Profile (MSP) (Phase 2); Stage 2 (3GPP TS 23.097 version 17.0.0 Release 17)
468	ETSI TS 123 108 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Mobile radio interface layer 3 specification, core network protocols; Stage 2 (3GPP TS 23.108 version 17.0.0 Release 17)
469	ETSI TS 123 116 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Super-Charger technical realization; Stage 2 (3GPP TS 23.116 version 17.0.0 Release 17)
470	ETSI TS 123 119 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Gateway Location Register (GLR); Stage 2 (3GPP TS 23.119 version 17.0.0 Release 17)
471	ETSI TS 123 135 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Multicall supplementary service; Stage 2 (3GPP TS 23.135 version 17.0.0 Release 17)
472	ETSI TS 123 142 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Value-added Services for SMS (VAS4SMS); Interface and signalling flow (3GPP TS 23.142 version 17.0.0 Release 17)
473	ETSI TS 123 153 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Out of band transcoder control; Stage 2 (3GPP TS 23.153 version 17.0.0 Release 17)
474	ETSI TS 123 205 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Bearer-independent circuit-switched core network; Stage 2 (3GPP TS 23.205 version 17.0.0 Release 17)
475	ETSI TS 123 218 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) session handling; IM call model; Stage 2 (3GPP TS 23.218 version 17.0.0 Release 17)
476	ETSI TS 123 231 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); SIP-I based circuit-switched core network; Stage 2 (3GPP TS 23.231 version 17.0.0 Release 17)
477	ETSI TS 123 259 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Personal Network Management (PNM); Procedures and information flows; Stage 2 (3GPP TS 23.259 version 17.0.0 Release 17)

478	ETSI TS 123 278 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 4; Stage 2; IM CN Interworking (3GPP TS 23.278 version 17.0.0 Release 17)
479	ETSI TS 123 335 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; User Data Convergence (UDC); Technical realization and information flows; Stage 2 (3GPP TS 23.335 version 17.0.0 Release 17)
480	ETSI TS 124 010 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mobile radio interface layer 3; Supplementary services specification; General aspects (3GPP TS 24.010 version 17.0.0 Release 17)
481	ETSI TS 124 030 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Location Services (LCS); Supplementary service operations; Stage 3 (3GPP TS 24.030 version 17.0.0 Release 17)
482	ETSI TS 124 072 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Deflection (CD) supplementary service; Stage 3 (3GPP TS 24.072 version 17.0.0 Release 17)
483	ETSI TS 124 081 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Line Identification supplementary services; Stage 3 (3GPP TS 24.081 version 17.0.0 Release 17)
484	ETSI TS 124 082 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) supplementary services; Stage 3 (3GPP TS 24.082 version 17.0.0 Release 17)
485	ETSI TS 124 083 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 3 (3GPP TS 24.083 version 17.0.0 Release 17)
486	ETSI TS 124 084 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multi Party (MPTY) supplementary service; Stage 3 (3GPP TS 24.084 version 17.0.0 Release 17)
487	ETSI TS 124 085 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) supplementary service; Stage 3 (3GPP TS 24.085 version 17.0.0 Release 17)
488	ETSI TS 124 086 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Advice of Charge (AoC) supplementary services; Stage 3 (3GPP TS 24.086 version 17.0.0 Release 17)
489	ETSI TS 124 087 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS) Supplementary Service; Stage 3 (3GPP TS 24.087 version 17.0.0 Release 17)
490	ETSI TS 124 088 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Barring (CB) supplementary service; Stage 3 (3GPP TS 24.088 version 17.0.0 Release 17)
491	ETSI TS 124 090 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Unstructured Supplementary Service Data (USSD); Stage 3 (3GPP TS 24.090 version 17.0.0 Release 17)

492	ETSI TS 124 091 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Explicit Call Transfer (ECT) supplementary service; Stage 3 (3GPP TS 24.091 version 17.0.0 Release 17)
493	ETSI TS 124 093 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Completion of Calls to Busy Subscriber (CCBS); Stage 3 (3GPP TS 24.093 version 17.0.0 Release 17)
494	ETSI TS 124 096 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Name Identification supplementary services; Stage 3 (3GPP TS 24.096 version 17.0.0 Release 17)
495	ETSI TS 124 103 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS); Stage 3 (3GPP TS 24.103 version 17.0.0 Release 17)
496	ETSI TS 124 105 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Application specific Congestion control for Data Communication (ACDC) Management Object (MO) (3GPP TS 24.105 version 17.0.0 Release 17)
497	ETSI TS 124 116 V17.0.0 (2022-04)	LTE; Stage 3 aspects of system architecture enhancements for TV services (3GPP TS 24.116 version 17.0.0 Release 17)
498	ETSI TS 124 117 V17.0.0 (2022-04)	LTE; TV service configuration Management Object (MO) (3GPP TS 24.117 version 17.0.0 Release 17)
499	ETSI TS 124 135 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Multicall supplementary service; Stage 3 (3GPP TS 24.135 version 17.0.0 Release 17)
500	ETSI TS 124 139 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3GPP system - fixed broadband access network interworking; Stage 3 (3GPP TS 24.139 version 17.0.0 Release 17)
501	ETSI TS 124 147 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3 (3GPP TS 24.147 version 17.0.0 Release 17)
502	ETSI TS 124 161 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Network-Based IP Flow Mobility (NBIFOM); Stage 3 (3GPP TS 24.161 version 17.0.0 Release 17)
503	ETSI TS 124 171 V17.0.0 (2022-04)	LTE; Control Plane Location Services (LCS) procedures in the Evolved Packet System (EPS) (3GPP TS 24.171 version 17.0.0 Release 17)
504	ETSI TS 124 196 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Enhanced Calling Name (eCNAM) (3GPP TS 24.196 version 17.0.0 Release 17)
505	ETSI TS 124 216 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Communication Continuity Management Object (MO) (3GPP TS 24.216 version 17.0.0 Release 17)
506	ETSI TS 124 238 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Session Initiation Protocol (SIP) based user configuration; Stage 3 (3GPP TS 24.238 version 17.0.0 Release 17)
507	ETSI TS 124 239 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Flexible Alerting (FA) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.239 version 17.0.0 Release 17)

508	ETSI TS 124 247 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Messaging service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3 (3GPP TS 24.247 version 17.0.0 Release 17)
509	ETSI TS 124 279 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Combining Circuit Switched (CS) and IP Multimedia Subsystem (IMS) services; Stage 3 (3GPP TS 24.279 version 17.0.0 Release 17)
510	ETSI TS 124 285 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Allowed Closed Subscriber Group (CSG) list; Management Object (MO) (3GPP TS 24.285 version 17.0.0 Release 17)
511	ETSI TS 124 292 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) Core Network (CN) subsystem Centralized Services (ICS); Stage 3 (3GPP TS 24.292 version 17.0.0 Release 17)
512	ETSI TS 124 303 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mobility management based on Dual-Stack Mobile IPv6; Stage 3 (3GPP TS 24.303 version 17.0.0 Release 17)
513	ETSI TS 124 304 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mobility management based on Mobile IPv4; User Equipment (UE) - foreign agent interface; Stage 3 (3GPP TS 24.304 version 17.0.0 Release 17)
514	ETSI TS 124 305 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Selective Disabling of 3GPP User Equipment Capabilities (SDoUE) Management Object (MO) (3GPP TS 24.305 version 17.0.0 Release 17)
515	ETSI TS 124 337 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer; Stage 3 (3GPP TS 24.337 version 17.0.0 Release 17)
516	ETSI TS 124 385 V17.0.0 (2022-04)	LTE; V2X services Management Object (MO) (3GPP TS 24.385 version 17.0.0 Release 17)
517	ETSI TS 124 386 V17.0.0 (2022-04)	LTE; User Equipment (UE) to V2X control function; protocol aspects; Stage 3 (3GPP TS 24.386 version 17.0.0 Release 17)
518	ETSI TS 129 010 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Information element mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MSC); Signalling Procedures and the Mobile Application Part (MAP) (3GPP TS 29.010 version 17.0.0 Release 17)
519	ETSI TS 129 013 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Signalling interworking between ISDN supplementary services; Application Service Element (ASE) and Mobile Application Part (MAP) protocols (3GPP TS 29.013 version 17.0.0 Release 17)
520	ETSI TS 129 078 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase X; CAMEL Application Part (CAP) specification (3GPP TS 29.078 version 17.0.0 Release 17)

521	ETSI TS 129 120 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Mobile Application Part (MAP) specification for Gateway Location Register (GLR) (3GPP TS 29.120 version 17.0.0 Release 17)
522	ETSI TS 129 139 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3GPP system - fixed broadband access network interworking; Home (e)Node B - security gateway interface (3GPP TS 29.139 version 17.0.0 Release 17)
523	ETSI TS 129 172 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Location Services (LCS); Evolved Packet Core (EPC) LCS Protocol (ELP) between the Gateway Mobile Location Centre (GMLC) and the Mobile Management Entity (MME); SLg interface (3GPP TS 29.172 version 17.0.0 Release 17)
524	ETSI TS 129 202 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Signalling System No. 7 (SS7) signalling transport in core network; Stage 3 (3GPP TS 29.202 version 17.0.0 Release 17)
525	ETSI TS 129 204 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Signalling System No. 7 (SS7) security gateway; Architecture, functional description and protocol details (3GPP TS 29.204 version 17.0.0 Release 17)
526	ETSI TS 129 205 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Application of Q.1900 series to bearer independent Circuit Switched (CS) core network architecture; Stage 3 (3GPP TS 29.205 version 17.0.0 Release 17)
527	ETSI TS 129 276 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 3GPP Evolved Packet System (EPS); Optimized handover procedures and protocols between E-UTRAN access and cdma2000 HRPD Access; Stage 3 (3GPP TS 29.276 version 17.0.0 Release 17)
528	ETSI TS 129 277 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Optimised handover procedures and protocol between EUTRAN access and non-3GPP accesses (S102); Stage 3 (3GPP TS 29.277 version 17.0.0 Release 17)
529	ETSI TS 129 278 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Customized Applications for Mobile network Enhanced Logic (CAMEL) Phase 4; CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS) (3GPP TS 29.278 version 17.0.0 Release 17)
530	ETSI TS 129 280 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Evolved Packet System (EPS); 3GPP Sv interface (MME to MSC, and SGSN to MSC) for SRVCC (3GPP TS 29.280 version 17.0.0 Release 17)
531	ETSI TS 129 282 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Mobile IPv6 vendor specific option format and usage within 3GPP (3GPP TS 29.282 version 17.0.0 Release 17)
532	ETSI TS 129 283 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Diameter data management applications (3GPP TS 29.283 version 17.0.0 Release 17)
533	ETSI TS 129 329 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Sh interface based on the Diameter protocol; Protocol details (3GPP TS 29.329 version 17.0.0 Release 17)
534	ETSI TS 129 337 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Diameter-based T4 Interface for communications with packet data networks and applications (3GPP TS 29.337 version 17.0.0 Release 17)

535	ETSI TS 129 345 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Inter-Proximity-services (Prose) function signalling aspects; Stage 3 (3GPP TS 29.345 version 17.0.0 Release 17)
536	ETSI TR 129 935 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Study on User Data Convergence (UDC) data model (3GPP TR 29.935 version 17.0.0 Release 17)
537	ETSI TS 131 101 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G UICC-terminal interface; Physical and logical characteristics (3GPP TS 31.101 version 17.0.0 Release 17)
538	ETSI TS 131 102 V17.5.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 17.5.0 Release 17)
539	ETSI TS 131 104 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Characteristics of the Hosting Party Subscription Identity Module (HPSIM) application (3GPP TS 31.104 version 17.0.0 Release 17)
540	ETSI TS 131 111 V16.6.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 16.6.0 Release 16)
541	ETSI TS 131 115 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications (3GPP TS 31.115 version 17.0.0 Release 17)
542	ETSI TS 131 116 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Remote APDU Structure for (U)SIM Toolkit applications (3GPP TS 31.116 version 17.0.0 Release 17)
543	ETSI TS 131 120 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; UICC-terminal interface; Physical, electrical and logical test specification (3GPP TS 31.120 version 17.0.0 Release 17)
544	ETSI TS 131 122 V16.4.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 16.4.0 Release 16)
545	ETSI TS 131 122 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 17.0.0 Release 17)
546	ETSI TS 131 130 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; (U)SIM Application Programming Interface (API); (U)SIM API for Java™ Card (3GPP TS 31.130 version 17.0.0 Release 17)
547	ETSI TS 131 131 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; C-language binding to (U)SIM API (3GPP TS 31.131 version 17.0.0 Release 17)
548	ETSI TS 131 133 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Services Identity Module (ISIM) Application Programming Interface (API); ISIM API for Java Card™ (3GPP TS 31.133 version 17.0.0 Release 17)
549	ETSI TS 131 213 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Test specification for (U)SIM; Application Programming Interface (API) for Java Card™ (3GPP TS 31.213 version 17.0.0 Release 17)
550	ETSI TS 131 220 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Characteristics of the Contact Manager for 3GPP UICC applications (3GPP TS 31.220 version 17.0.0 Release 17)

551	ETSI TS 131 221 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Contact Manager Application Programming Interface (API); Contact Manager API for Java Card (3GPP TS 31.221 version 17.0.0 Release 17)
552	ETSI TR 131 900 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; SIM/USIM internal and external interworking aspects (3GPP TR 31.900 version 17.0.0 Release 17)
553	ETSI TR 131 970 V17.0.0 (2022-04)	LTE; Universal Mobile Telecommunications System (UMTS); UICC power optimisation for Machine-Type Communication (MTC) (3GPP TR 31.970 version 17.0.0 Release 17)
554	ETSI TS 132 101 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Principles and high level requirements (3GPP TS 32.101 version 17.0.0 Release 17)
555	ETSI TS 132 102 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Architecture (3GPP TS 32.102 version 17.0.0 Release 17)
556	ETSI TS 132 103 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 17.0.0 Release 17)
557	ETSI TS 132 107 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 17.0.0 Release 17)
558	ETSI TS 132 111-1 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fault Management; Part 1: 3G fault management requirements (3GPP TS 32.111-1 version 17.0.0 Release 17)
559	ETSI TS 132 111-2 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.111-2 version 17.0.0 Release 17)
560	ETSI TS 132 111-6 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fault Management; Part 6: Alarm Integration Reference Point (IRP): Solution Set (SS) definitions (3GPP TS 32.111-6 version 17.0.0 Release 17)
561	ETSI TS 132 121 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP): Requirements (3GPP TS 32.121 version 17.0.0 Release 17)
562	ETSI TS 132 122 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.122 version 17.0.0 Release 17)
563	ETSI TS 132 126 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.126 version 17.0.0 Release 17)

564	ETSI TS 132 140 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscription Management (SuM) requirements (3GPP TS 32.140 version 17.0.0 Release 17)
565	ETSI TS 132 141 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscription Management (SuM) architecture (3GPP TS 32.141 version 17.0.0 Release 17)
566	ETSI TS 132 150 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) Concept and definitions (3GPP TS 32.150 version 17.0.0 Release 17)
567	ETSI TS 132 153 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) technology specific templates, rules and guidelines (3GPP TS 32.153 version 17.0.0 Release 17)
568	ETSI TS 132 154 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Backward and Forward Compatibility (BFC); Concept and definitions (3GPP TS 32.154 version 17.0.0 Release 17)
569	ETSI TS 132 155 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Requirements template (3GPP TS 32.155 version 17.0.0 Release 17)
570	ETSI TS 132 157 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template (3GPP TS 32.157 version 17.0.0 Release 17)
571	ETSI TS 132 158 V17.0.0 (2022-04)	LTE; 5G; Management and orchestration; Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 17.0.0 Release 17)
572	ETSI TS 132 181 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; User Data Convergence (UDC); Framework for Model Handling and Management (3GPP TS 32.181 version 17.0.0 Release 17)
573	ETSI TS 132 182 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; User Data Convergence (UDC); Common baseline information model (CBIM) (3GPP TS 32.182 version 17.0.0 Release 17)
574	ETSI TS 132 253 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); Telecommunication management; Charging management; Control Plane (CP) data transfer domain charging (3GPP TS 32.253 version 17.0.0 Release 17)
575	ETSI TS 132 256 V17.0.0 (2022-04)	5G; Charging management; 5G connection and mobility domain charging; Stage 2 (3GPP TS 32.256 version 17.0.0 Release 17)
576	ETSI TS 132 270 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging (3GPP TS 32.270 version 17.0.0 Release 17)

577	ETSI TS 132 271 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Location Services (LCS) charging (3GPP TS 32.271 version 17.0.0 Release 17)
578	ETSI TS 132 273 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Multimedia Broadcast and Multicast Service (MBMS) charging (3GPP TS 32.273 version 17.0.0 Release 17)
579	ETSI TS 132 276 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Voice Call Service (VCS) charging (3GPP TS 32.276 version 17.0.0 Release 17)
580	ETSI TS 132 278 V17.0.0 (2022-04)	LTE; Telecommunication management; Charging management; Monitoring event charging (3GPP TS 32.278 version 17.0.0 Release 17)
581	ETSI TS 132 280 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Advice of Charge (AoC) service (3GPP TS 32.280 version 17.0.0 Release 17)
582	ETSI TS 132 293 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Proxy function (3GPP TS 32.293 version 17.0.0 Release 17)
583	ETSI TS 132 296 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Online Charging System (OCS): Applications and interfaces (3GPP TS 32.296 version 17.0.0 Release 17)
584	ETSI TS 132 297 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Charging Data Record (CDR) file format and transfer (3GPP TS 32.297 version 17.0.0 Release 17)
585	ETSI TS 132 300 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Name convention for Managed Objects (3GPP TS 32.300 version 17.0.0 Release 17)
586	ETSI TS 132 301 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP);
587	ETSI TS 132 302 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP);
588	ETSI TS 132 306 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Solution Set (SS) definitions (3GPP TS 32.306 version 17.0.0 Release 17)
589	ETSI TS 132 311 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements (3GPP TS 32.311 version 17.0.0 Release 17)

590	ETSI TS 132 312 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS) (3GPP TS 32.312 version 17.0.0 Release 17)
591	ETSI TS 132 316 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Integration Reference Point (IRP) management; Solution Set (SS) definitions (3GPP TS 32.316 version 17.0.0 Release 17)
592	ETSI TS 132 321 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Test management Integration Reference Point (IRP); Requirements (3GPP TS 32.321 version 17.0.0 Release 17)
593	ETSI TS 132 322 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Test management Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.322 version 17.0.0 Release 17)
594	ETSI TS 132 326 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Test management Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.326 version 17.0.0 Release 17)
595	ETSI TS 132 331 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Requirements (3GPP TS 32.331 version 17.0.0 Release 17)
596	ETSI TS 132 336 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.336 version 17.0.0 Release 17)
597	ETSI TS 132 341 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Requirements (3GPP TS 32.341 version 17.0.0 Release 17)
598	ETSI TS 132 342 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.342 version 17.0.0 Release 17)
599	ETSI TS 132 346 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.346 version 17.0.0 Release 17)
600	ETSI TS 132 351 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Requirements (3GPP TS 32.351 version 17.0.0 Release 17)

601	ETSI TS 132 352 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.352 version 17.0.0 Release 17)
602	ETSI TS 132 356 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.356 version 17.0.0 Release 17)
603	ETSI TS 132 361 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Requirements (3GPP TS 32.361 version 17.0.0 Release 17)
604	ETSI TS 132 362 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.362 version 17.0.0 Release 17)
605	ETSI TS 132 371 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Security Management concept and requirements (3GPP TS 32.371 version 17.0.0 Release 17)
606	ETSI TS 132 372 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Security services for Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.372 version 17.0.0 Release 17)
607	ETSI TS 132 376 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Security services for Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.376 version 17.0.0 Release 17)
608	ETSI TS 132 381 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Requirements (3GPP TS 32.381 version 17.0.0 Release 17)
609	ETSI TS 132 386 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.386 version 17.0.0 Release 17)
610	ETSI TS 132 391 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Delta synchronization Integration Reference Point (IRP); Requirements (3GPP TS 32.391 version 17.0.0 Release 17)
611	ETSI TS 132 392 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Delta synchronization Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.392 version 17.0.0 Release 17)

612	ETSI TS 132 396 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Delta synchronization Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.396 version 17.0.0 Release 17)
613	ETSI TS 132 401 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Performance Management (PM);
614	ETSI TS 132 404 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;
615	ETSI TS 132 405 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Telecommunication management; Performance Management (PM); Performance measurements; Universal Terrestrial Radio Access Network (UTRAN) (3GPP TS 32.405 version 17.0.0 Release 17)
616	ETSI TS 132 406 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;
617	ETSI TS 132 407 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;
618	ETSI TS 132 408 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;
619	ETSI TS 132 409 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;
620	ETSI TS 132 410 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Telecommunication management; Key Performance Indicators (KPI) for UMTS and GSM (3GPP TS 32.410 version 17.0.0 Release 17)
621	ETSI TS 132 411 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements (3GPP TS 32.411 version 17.0.0 Release 17)
622	ETSI TS 132 412 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.412 version 17.0.0 Release 17)
623	ETSI TS 132 416 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.416 version 17.0.0 Release 17)
624	ETSI TS 132 426 V17.0.0 (2022-04)	LTE; Telecommunication management; Performance Management (PM); Performance measurements Evolved Packet Core (EPC) network (3GPP TS 32.426 version 17.0.0 Release 17)

625	ETSI TS 132 432 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance measurement: File format definition (3GPP TS 32.432 version 17.0.0 Release 17)
626	ETSI TS 132 435 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance measurement; eXtensible Markup Language (XML) file format definition (3GPP TS 32.435 version 17.0.0 Release 17)
627	ETSI TS 133 107 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 3G security; Lawful interception architecture and functions (3GPP TS 33.107 version 17.0.0 Release 17)
628	ETSI TS 136 201 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE physical layer; General description (3GPP TS 36.201 version 17.0.0 Release 17)
629	ETSI TS 136 214 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer; Measurements (3GPP TS 36.214 version 17.0.0 Release 17)
630	ETSI TS 136 216 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer for relaying operation (3GPP TS 36.216 version 17.0.0 Release 17)
631	ETSI TR 136 912 V17.0.0 (2022-04)	LTE; Feasibility study for Further Advancements for E-UTRA (LTE-Advanced) (3GPP TR 36.912 version 17.0.0 Release 17)
632	ETSI TS 138 106 V17.0.0 (2022-04)	5G; NR repeater radio transmission and reception (3GPP TS 38.106 version 17.0.0 Release 17)
633	ETSI TS 138 113 V17.0.0 (2022-04)	5G; NR; Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 17.0.0 Release 17)
634	ETSI TS 138 114 V17.0.1 (2022-04)	5G; NR; Repeaters ElectroMagnetic Compatibility (EMC) (3GPP TS 38.114 version 17.0.1 Release 17)
635	ETSI TS 138 124 V17.0.0 (2022-04)	5G; NR; Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 17.0.0 Release 17)
636	ETSI TS 138 141-1 V15.12.0 (2022-04)	5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 15.12.0 Release 15)
637	ETSI TS 138 141-1 V16.11.0 (2022-04)	5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 16.11.0 Release 16)
638	ETSI TS 138 141-1 V17.5.0 (2022-04)	5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 17.5.0 Release 17)
639	ETSI TS 138 141-2 V16.11.0 (2022-04)	5G; NR; Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 16.11.0 Release 16)
640	ETSI TS 138 141-2 V17.5.0 (2022-04)	5G; NR; Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 17.5.0 Release 17)
641	ETSI TS 138 151 V17.0.0 (2022-04)	5G; NR; User Equipment (UE) Multiple Input Multiple Output (MIMO) Over-the-Air (OTA) performance requirements (3GPP TS 38.151 version 17.0.0 Release 17)
642	ETSI TS 138 171 V17.0.0 (2022-04)	5G; NR; Requirements for support of Assisted Global Navigation Satellite System (A-GNSS) (3GPP TS 38.171 version 17.0.0 Release 17)
643	ETSI TS 138 174 V16.6.0 (2022-04)	5G; NR; Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 16.6.0 Release 16)

644	ETSI TS 138 174 V17.0.0 (2022-04)	5G; NR; Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 17.0.0 Release 17)
645	ETSI TS 138 175 V17.0.0 (2022-04)	5G; NR; Integrated Access and Backhaul (IAB) Electromagnetic Compatibility (EMC) (3GPP TS 38.175 version 17.0.0 Release 17)
646	ETSI TS 138 176-1 V16.3.0 (2022-04)	5G; NR; Integrated Access and Backhaul (IAB) conformance testing; Part 1: Conducted conformance testing (3GPP TS 38.176-1 version 16.3.0 Release 16)
647	ETSI TS 138 176-1 V17.0.0 (2022-04)	5G; NR; Integrated Access and Backhaul (IAB) conformance testing; Part 1: Conducted conformance testing (3GPP TS 38.176-1 version 17.0.0 Release 17)
648	ETSI TS 138 176-2 V16.3.0 (2022-04)	5G; NR; Integrated Access and Backhaul (IAB) conformance testing; Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 16.3.0 Release 16)
649	ETSI TS 138 176-2 V17.0.0 (2022-04)	5G; NR; Integrated Access and Backhaul (IAB) conformance testing; Part 2: Radiated conformance testing (3GPP TS 38.176-2 version 17.0.0 Release 17)
650	ETSI TS 138 307 V16.10.0 (2022-04)	5G; NR; Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 16.10.0 Release 16)
651	ETSI TS 138 307 V17.5.0 (2022-04)	5G; NR; Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 17.5.0 Release 17)
652	ETSI TR 138 901 V17.0.0 (2022-04)	5G; Study on channel model for frequencies from 0.5 to 100 GHz (3GPP TR 38.901 version 17.0.0 Release 17)
653	ETSI TS 143 005 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Technical performance objectives (3GPP TS 43.005 version 17.0.0 Release 17)
654	ETSI TS 143 073 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Support of Localised Service Area (SoLSA); Stage 2 (3GPP TS 43.073 version 17.0.0 Release 17)
655	ETSI EN 303 213-5-2 V1.1.1 (2022-04)	Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 5: Harmonised Standard for access to radio spectrum for Multilateration (MLAT) equipment; Sub-part 2: Reference and Vehicle Transmitters
656	ETSI ES 201 873-5 V4.9.1 (2022-04)	Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 5: TTCN-3 Runtime Interface (TRI)
657	ETSI ES 201 873-6 V4.13.1 (2022-04)	Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 6: TTCN-3 Control Interface (TCI)
658	ETSI ES 201 873-7 V4.10.1 (2022-04)	Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 7: Using ASN.1 with TTCN-3
659	ETSI GS MEC-DEC 032-1 V3.1.1 (2022-04)	Multi-access Edge Computing (MEC); API Conformance Test Specification; Part 1: Test Requirements and Implementation Conformance Statement (ICS)
660	ETSI TR 103 824 V1.1.1 (2022-04)	Unit Test Descriptions for Hybrid Broadcast Broadband TV
661	ETSI TR 118 546 V4.0.0 (2022-04)	oneM2M: Study on Public Warning Service Enabler (oneM2M TR-0046 v4.0.0 Release 4)
662	ETSI TS 124 244 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Wireless LAN control plane protocol for trusted WLAN access to EPC; Stage 3 (3GPP TS 24.244 version 17.0.0 Release 17)
663	ETSI TS 124 286 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) Core Network (CN) subsystem Centralized Services (ICS); Management Object (MO) (3GPP TS 24.286 version 17.0.0 Release 17)

664	ETSI TS 124 294 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Centralized Services (ICS) protocol via I1 interface (3GPP TS 24.294 version 17.0.0 Release 17)
665	ETSI TS 124 312 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Access Network Discovery and Selection Function (ANDSF) Management Object (MO) (3GPP TS 24.312 version 17.0.0 Release 17)
666	ETSI TS 124 315 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Operator Determined Barring (ODB); Stage 3: protocol specification (3GPP TS 24.315 version 17.0.0 Release 17)
667	ETSI TS 124 322 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Tunnelling of IP Multimedia Subsystem (IMS) services over restrictive access networks; Stage 3 (3GPP TS 24.322 version 17.0.0 Release 17)
668	ETSI TS 124 323 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; 3GPP IP Multimedia Subsystem (IMS) service level tracing Management Object (MO) (3GPP TS 24.323 version 17.0.0 Release 17)
669	ETSI TS 124 333 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Proximity-services (ProSe) Management Objects (MO) (3GPP TS 24.333 version 17.0.0 Release 17)
670	ETSI TS 124 417 V17.0.0 (2022-04)	LTE; 5G; Management Object (MO) for Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem (3GPP TS 24.417 version 17.0.0 Release 17)
671	ETSI TS 124 523 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Core and enterprise Next Generation Network (NGN) interaction scenarios; Architecture and functional description (3GPP TS 24.523 version 17.0.0 Release 17)
672	ETSI TS 124 524 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Hosted enterprise services; Architecture, functional description and signalling (3GPP TS 24.524 version 17.0.0 Release 17)
673	ETSI TS 124 525 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Business trunking; Architecture and functional description (3GPP TS 24.525 version 17.0.0 Release 17)
674	ETSI TS 124 605 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Conference (CONF) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.605 version 17.0.0 Release 17)
675	ETSI TS 124 606 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Message Waiting Indication (MWI) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.606 version 17.0.0 Release 17)
676	ETSI TS 124 607 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.607 version 17.0.0 Release 17)

677	ETSI TS 124 608 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.608 version 17.0.0 Release 17)
678	ETSI TS 124 610 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Communication HOLD (HOLD) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.610 version 17.0.0 Release 17)
679	ETSI TS 124 615 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Communication Waiting (CW) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol Specification (3GPP TS 24.615 version 17.0.0 Release 17)
680	ETSI TS 124 616 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Malicious Communication Identification (MCID) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.616 version 17.0.0 Release 17)
681	ETSI TS 124 629 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Explicit Communication Transfer (ECT) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.629 version 17.0.0 Release 17)
682	ETSI TS 124 642 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Completion of Communications to Busy Subscriber (CCBS) and Completion of Communications by No Reply (CCNR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.642 version 17.0.0 Release 17)
683	ETSI TS 124 647 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Advice Of Charge (AOC) using IP Multimedia (IM) Core Network (CN) subsystem (3GPP TS 24.647 version 17.0.0 Release 17)
684	ETSI TS 124 654 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem, Protocol Specification (3GPP TS 24.654 version 17.0.0 Release 17)
685	ETSI TR 124 930 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Signalling flows for the session setup in the IP Multimedia core network Subsystem (IMS) based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TR 24.930 version 17.0.0 Release 17)
686	ETSI TR 124 969 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Business trunking; Next Generation Corporate Network (NGCN) - Next Generation Network (NGN) interfaces implementation guide (3GPP TR 24.969 version 17.0.0 Release 17)
687	ETSI TS 125 101 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (FDD) (3GPP TS 25.101 version 17.0.0 Release 17)
688	ETSI TS 125 102 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (TDD) (3GPP TS 25.102 version 17.0.0 Release 17)

689	ETSI TS 125 104 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Base Station (BS) radio transmission and reception (FDD) (3GPP TS 25.104 version 17.0.0 Release 17)
690	ETSI TS 125 105 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Base Station (BS) radio transmission and reception (TDD) (3GPP TS 25.105 version 17.0.0 Release 17)
691	ETSI TS 125 106 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRA repeater radio transmission and reception (3GPP TS 25.106 version 17.0.0 Release 17)
692	ETSI TS 125 111 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Location Measurement Unit (LMU) performance specification; User Equipment (UE) positioning in UTRAN (3GPP TS 25.111 version 17.0.0 Release 17)
693	ETSI TS 125 113 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Base station (BS) and repeater electromagnetic compatibility (EMC) (3GPP TS 25.113 version 17.0.0 Release 17)
694	ETSI TS 125 116 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRA repeater radio transmission and reception (LCR TDD) (3GPP TS 25.116 version 17.0.0 Release 17)
695	ETSI TS 125 123 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (TDD) (3GPP TS 25.123 version 17.0.0 Release 17)
696	ETSI TS 125 133 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (FDD) (3GPP TS 25.133 version 17.0.0 Release 17)
697	ETSI TS 125 141 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Base Station (BS) conformance testing (FDD) (3GPP TS 25.141 version 17.0.0 Release 17)
698	ETSI TS 125 142 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Base Station (BS) conformance testing (TDD) (3GPP TS 25.142 version 17.0.0 Release 17)
699	ETSI TS 125 143 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRA repeater conformance testing (3GPP TS 25.143 version 17.0.0 Release 17)
700	ETSI TS 125 153 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRA repeater conformance testing (LCR TDD) (3GPP TS 25.153 version 17.0.0 Release 17)
701	ETSI TS 125 171 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD) (3GPP TS 25.171 version 17.0.0 Release 17)
702	ETSI TS 125 172 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Requirements for support of Assisted Galileo and Additional Navigation Satellite Systems (A-GANSS) Frequency Division Duplex (FDD) (3GPP TS 25.172 version 17.0.0 Release 17)
703	ETSI TS 125 173 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Requirements for support of Assisted Galileo and Additional Navigation Satellite Systems (A-GANSS) Time Division Duplex (TDD) (3GPP TS 25.173 version 17.0.0 Release 17)
704	ETSI TS 125 401 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN overall description (3GPP TS 25.401 version 17.0.0 Release 17)
705	ETSI TS 125 402 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Synchronisation in UTRAN Stage 2 (3GPP TS 25.402 version 17.0.0 Release 17)
706	ETSI TS 125 410 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface: General aspects and principles (3GPP TS 25.410 version 17.0.0 Release 17)

707	ETSI TS 125 411 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface layer 1 (3GPP TS 25.411 version 17.0.0 Release 17)
708	ETSI TS 125 412 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface signalling transport (3GPP TS 25.412 version 17.0.0 Release 17)
709	ETSI TS 125 413 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling (3GPP TS 25.413 version 17.0.0 Release 17)
710	ETSI TS 125 414 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface data transport and transport signalling (3GPP TS 25.414 version 17.0.0 Release 17)
711	ETSI TS 125 415 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface user plane protocols (3GPP TS 25.415 version 17.0.0 Release 17)
712	ETSI TS 125 419 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP) (3GPP TS 25.419 version 17.0.0 Release 17)
713	ETSI TS 125 420 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface general aspects and principles (3GPP TS 25.420 version 17.0.0 Release 17)
714	ETSI TS 125 422 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface signalling transport (3GPP TS 25.422 version 17.0.0 Release 17)
715	ETSI TS 125 424 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface data transport & transport signalling for Common Transport Channel data streams (3GPP TS 25.424 version 17.0.0 Release 17)
716	ETSI TS 125 425 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface user plane protocols for Common Transport Channel data streams (3GPP TS 25.425 version 17.0.0 Release 17)
717	ETSI TS 125 426 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams (3GPP TS 25.426 version 17.0.0 Release 17)
718	ETSI TS 125 427 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iub/Iur interface user plane protocol for DCH data streams (3GPP TS 25.427 version 17.0.0 Release 17)
719	ETSI TS 125 430 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iub Interface: general aspects and principles (3GPP TS 25.430 version 17.0.0 Release 17)
720	ETSI TS 125 431 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface Layer 1 (3GPP TS 25.431 version 17.0.0 Release 17)
721	ETSI TS 125 432 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface: signalling transport (3GPP TS 25.432 version 17.0.0 Release 17)
722	ETSI TS 125 433 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface Node B Application Part (NBAP) signalling (3GPP TS 25.433 version 17.0.0 Release 17)
723	ETSI TS 125 434 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface data transport and transport signalling for Common Transport Channel data streams (3GPP TS 25.434 version 17.0.0 Release 17)
724	ETSI TS 125 435 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface user plane protocols for Common Transport Channel data streams (3GPP TS 25.435 version 17.0.0 Release 17)

725	ETSI TS 125 442 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN implementation-specific O&M transport (3GPP TS 25.442 version 17.0.0 Release 17)
726	ETSI TS 125 444 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Iuh data transport (3GPP TS 25.444 version 17.0.0 Release 17)
727	ETSI TS 125 446 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; MBMS synchronisation protocol (SYNC) (3GPP TS 25.446 version 17.0.0 Release 17)
728	ETSI TS 125 450 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iupc interface general aspects and principles (3GPP TS 25.450 version 17.0.0 Release 17)
729	ETSI TS 125 451 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iupc interface layer 1 (3GPP TS 25.451 version 17.0.0 Release 17)
730	ETSI TS 125 452 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iupc interface: signalling transport (3GPP TS 25.452 version 17.0.0 Release 17)
731	ETSI TS 125 453 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling (3GPP TS 25.453 version 17.0.0 Release 17)
732	ETSI TS 125 460 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iuant interface: General aspects and principles (3GPP TS 25.460 version 17.0.0 Release 17)
733	ETSI TS 125 461 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iuant interface: Layer 1 (3GPP TS 25.461 version 17.0.0 Release 17)
734	ETSI TS 125 462 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iuant interface: Signalling transport (3GPP TS 25.462 version 17.0.0 Release 17)
735	ETSI TS 125 466 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iuant interface: Application part (3GPP TS 25.466 version 17.0.0 Release 17)
736	ETSI TS 125 467 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN architecture for 3G Home Node B (HNB); Stage 2 (3GPP TS 25.467 version 17.0.0 Release 17)
737	ETSI TS 125 468 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iuh Interface RANAP User Adaption (RUA) signalling (3GPP TS 25.468 version 17.0.0 Release 17)
738	ETSI TS 125 469 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iuh interface Home Node B (HNB) Application Part (HNBAP) signalling (3GPP TS 25.469 version 17.0.0 Release 17)
739	ETSI TS 125 470 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iuh Interface PCAP User Adaption (PUA) signalling (3GPP TS 25.470 version 17.0.0 Release 17)
740	ETSI TS 125 471 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN Iurh interface Radio Network Subsystem Application Part (RNSAP) User Adaption (RNA) signalling (3GPP TS 25.471 version 17.0.0 Release 17)
741	ETSI TS 125 484 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Automatic Neighbour Relation (ANR) for UTRAN; Stage 2 (3GPP TS 25.484 version 17.0.0 Release 17)
742	ETSI TR 125 906 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Dynamically reconfiguring a Frequency Division Duplex (FDD) User Equipment (UE) receiver to reduce power consumption when desired Quality of Service (QoS) is met (3GPP TR 25.906 version 17.0.0 Release 17)
743	ETSI TR 125 914 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Measurements of radio performances for UMTS terminals in speech mode (3GPP TR 25.914 version 17.0.0 Release 17)

744	ETSI TR 125 931 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); UTRAN functions, examples on signalling procedures (3GPP TR 25.931 version 17.0.0 Release 17)
745	ETSI TR 125 942 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Radio Frequency (RF) system scenarios (3GPP TR 25.942 version 17.0.0 Release 17)
746	ETSI TR 125 943 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Deployment aspects (3GPP TR 25.943 version 17.0.0 Release 17)
747	ETSI TR 125 951 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); FDD Base Station (BS) classification (3GPP TR 25.951 version 17.0.0 Release 17)
748	ETSI TR 125 956 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Universal Terrestrial Radio Access (UTRA) repeater planning guidelines and system analysis (3GPP TR 25.956 version 17.0.0 Release 17)
749	ETSI TR 125 963 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Feasibility study on interference cancellation for UTRA FDD User Equipment (UE) (3GPP TR 25.963 version 17.0.0 Release 17)
750	ETSI TR 125 967 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Home Node B (HNB) Radio Frequency (RF) requirements (FDD) (3GPP TR 25.967 version 17.0.0 Release 17)
751	ETSI TR 125 968 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); 1.28 Mcps TDD Home NodeB Radio Frequency (RF) (3GPP TR 25.968 version 17.0.0 Release 17)
752	ETSI TS 127 005 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE - DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS) (3GPP TS 27.005 version 17.0.0 Release 17)
753	ETSI TS 129 016 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification (3GPP TS 29.016 version 17.0.0 Release 17)
754	ETSI TS 129 018 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification (3GPP TS 29.018 version 17.0.0 Release 17)
755	ETSI TS 129 108 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Application of the Radio Access Network Application Part (RANAP) on the E-interface (3GPP TS 29.108 version 17.0.0 Release 17)
756	ETSI TS 129 118 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Mobility Management Entity (MME) - Visitor Location Register (VLR) Sgs interface specification (3GPP TS 29.118 version 17.0.0 Release 17)
757	ETSI TS 129 413 V17.0.0 (2022-04)	5G; Application of the NG Application Protocol (NGAP) to non-3GPP access (3GPP TS 29.413 version 17.0.0 Release 17)
758	ETSI TR 129 994 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults (3GPP TR 29.994 version 17.0.0 Release 17)

759	ETSI TS 132 436 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition (3GPP TS 32.436 version 17.0.0 Release 17)
760	ETSI TS 132 441 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Trace Management Integration Reference Point (IRP); Requirements (3GPP TS 32.441 version 17.0.0 Release 17)
761	ETSI TS 132 442 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Trace Management Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.442 version 17.0.0 Release 17)
762	ETSI TS 132 446 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Trace Management Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.446 version 17.0.0 Release 17)
763	ETSI TS 132 450 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Key Performance Indicators (KPI) for Evolved Universal Terrestrial Radio Access Network (E-UTRAN): Definitions (3GPP TS 32.450 version 17.0.0 Release 17)
764	ETSI TS 132 451 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Key Performance Indicators (KPI) for Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Requirements (3GPP TS 32.451 version 17.0.0 Release 17)
765	ETSI TS 132 452 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements Home Node B (HNB) Subsystem (HNS) (3GPP TS 32.452 version 17.0.0 Release 17)
766	ETSI TS 132 453 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements Home enhanced Node B (HeNB) Subsystem (HeNS) (3GPP TS 32.453 version 17.0.0 Release 17)
767	ETSI TS 132 454 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Key Performance Indicators (KPI) for the IP Multimedia Subsystem (IMS); Definitions (3GPP TS 32.454 version 17.0.0 Release 17)
768	ETSI TS 132 455 V17.0.0 (2022-04)	LTE; Telecommunication management; Key Performance Indicators (KPI) for the Evolved Packet Core (EPC); Definitions (3GPP TS 32.455 version 17.0.0 Release 17)
769	ETSI TS 132 500 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-Organizing Networks (SON); Concepts and requirements (3GPP TS 32.500 version 17.0.0 Release 17)
770	ETSI TS 132 501 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-configuration of network elements; Concepts and requirements (3GPP TS 32.501 version 17.0.0 Release 17)
771	ETSI TS 132 502 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-configuration of network elements Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.502 version 17.0.0 Release 17)

772	ETSI TS 132 506 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-configuration of network elements Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.506 version 17.0.0 Release 17)
773	ETSI TS 132 511 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Automatic Neighbour Relation (ANR) management; Concepts and requirements (3GPP TS 32.511 version 17.0.0 Release 17)
774	ETSI TS 132 531 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Software management (SwM); Concepts and Integration Reference Point (IRP) Requirements (3GPP TS 32.531 version 17.0.0 Release 17)
775	ETSI TS 132 532 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Software management (SwM); Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.532 version 17.0.0 Release 17)
776	ETSI TS 132 536 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Software management Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.536 version 17.0.0 Release 17)
777	ETSI TS 132 541 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-Organizing Networks (SON); Self-healing concepts and requirements (3GPP TS 32.541 version 17.0.0 Release 17)
778	ETSI TS 132 551 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Energy Saving Management (ESM); Concepts and requirements (3GPP TS 32.551 version 17.0.0 Release 17)
779	ETSI TS 132 571 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) and Home eNode B (HeNB) management; Type 2 interface concepts and requirements (3GPP TS 32.571 version 17.0.0 Release 17)
780	ETSI TS 132 572 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) and Home eNode B (HeNB) management; Type 2 interface models and mapping functions (3GPP TS 32.572 version 17.0.0 Release 17)
781	ETSI TS 132 581 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Concepts and requirements for Type 1 interface HNB to HNB Management System (HMS) (3GPP TS 32.581 version 17.0.0 Release 17)
782	ETSI TS 132 582 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Information model for Type 1 interface HNB to HNB Management System (HMS) (3GPP TS 32.582 version 17.0.0 Release 17)
783	ETSI TS 132 583 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Procedure flows for Type 1 interface HNB to HNB Management System (HMS) (3GPP TS 32.583 version 17.0.0 Release 17)

784	ETSI TS 132 584 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); XML definitions for Type 1 interface HNB to HNB Management System (HMS) (3GPP TS 32.584 version 17.0.0 Release 17)
785	ETSI TS 132 591 V17.0.0 (2022-04)	LTE; Telecommunication management; Home enhanced Node B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Concepts and requirements for Type 1 interface HeNB to HeNB Management System (HeMS) (3GPP TS 32.591 version 17.0.0 Release 17)
786	ETSI TS 132 592 V17.0.0 (2022-04)	LTE; Telecommunication management; Home enhanced Node B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Information model for Type 1 interface HeNB to HeNB Management System (HeMS) (3GPP TS 32.592 version 17.0.0 Release 17)
787	ETSI TS 132 593 V17.0.0 (2022-04)	LTE; Telecommunication management; Home enhanced Node B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Procedure flows for Type 1 interface HeNB to HeNB Management System (HeMS) (3GPP TS 32.593 version 17.0.0 Release 17)
788	ETSI TS 132 594 V17.0.0 (2022-04)	LTE; Telecommunication management; Home enhanced Node B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); XML definitions for Type 1 interface HeNB to HeNB Management System (HeMS) (3GPP TS 32.594 version 17.0.0 Release 17)
789	ETSI TS 132 600 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Concept and high-level requirements (3GPP TS 32.600 version 17.0.0 Release 17)
790	ETSI TS 134 124 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 34.124 version 17.0.0 Release 17)
791	ETSI TS 134 131 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Test Specification for C-language binding to (Universal) Subscriber Interface Module ((U)SIM) Application Programming Interface (API) (3GPP TS 34.131 version 17.0.0 Release 17)
792	ETSI TR 134 926 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment (3GPP TR 34.926 version 17.0.0 Release 17)
793	ETSI TS 136 104 V16.13.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 16.13.0 Release 16)
794	ETSI TS 136 104 V17.5.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 17.5.0 Release 17)
795	ETSI TS 136 104 V15.15.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 15.15.0 Release 15)
796	ETSI TS 136 106 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); FDD repeater radio transmission and reception (3GPP TS 36.106 version 17.0.0 Release 17)

797	ETSI TS 136 111 V17.0.0 (2022-04)	LTE; Location Measurement Unit (LMU) performance specification; Network based positioning systems in Evolved Universal Terrestrial Radio Access Network (E-UTRAN) (3GPP TS 36.111 version 17.0.0 Release 17)
798	ETSI TS 136 112 V17.0.0 (2022-04)	LTE; Location Measurement Unit (LMU) conformance specification; Network based positioning systems in Evolved Universal Terrestrial Radio Access Network (E-UTRAN) (3GPP TS 36.112 version 17.0.0 Release 17)
799	ETSI TS 136 113 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 17.0.0 Release 17)
800	ETSI TS 136 116 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Relay radio transmission and reception (3GPP TS 36.116 version 17.0.0 Release 17)
801	ETSI TS 136 117 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Relay conformance testing (3GPP TS 36.117 version 17.0.0 Release 17)
802	ETSI TS 136 124 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 36.124 version 17.0.0 Release 17)
803	ETSI TS 136 133 V16.12.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for support of radio resource management (3GPP TS 36.133 version 16.12.0 Release 16)
804	ETSI TS 136 141 V15.16.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 15.16.0 Release 15)
805	ETSI TS 136 141 V16.13.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 16.13.0 Release 16)
806	ETSI TS 136 141 V17.5.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 17.5.0 Release 17)
807	ETSI TS 136 143 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); FDD repeater conformance testing (3GPP TS 36.143 version 17.0.0 Release 17)
808	ETSI TS 136 171 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for Support of Assisted Global Navigation Satellite System (A-GNSS) (3GPP TS 36.171 version 17.0.0 Release 17)
809	ETSI TS 136 212 V17.1.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding (3GPP TS 36.212 version 17.1.0 Release 17)
810	ETSI TS 136 307 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 17.0.0 Release 17)
811	ETSI TS 136 465 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless Local Area Network (WLAN); Xw interface user plane protocol (3GPP TS 36.465 version 17.0.0 Release 17)
812	ETSI TR 136 921 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); FDD Home eNode B (HeNB) Radio Frequency (RF) requirements analysis (3GPP TR 36.921 version 17.0.0 Release 17)
813	ETSI TR 136 922 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); TDD Home eNode B (HeNB) Radio Frequency (RF) requirements analysis (3GPP TR 36.922 version 17.0.0 Release 17)

814	ETSI TR 136 927 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Potential solutions for energy saving for E-UTRAN (3GPP TR 36.927 version 17.0.0 Release 17)
815	ETSI TR 136 931 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Frequency (RF) requirements for LTE Pico Node B (3GPP TR 36.931 version 17.0.0 Release 17)
816	ETSI TR 136 933 V17.0.0 (2022-04)	LTE; Study on Context Aware Service Delivery in RAN for LTE (3GPP TR 36.933 version 17.0.0 Release 17)
817	ETSI TR 136 942 V17.0.0 (2022-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Frequency (RF) system scenarios (3GPP TR 36.942 version 17.0.0 Release 17)
818	ETSI TR 136 976 V17.0.0 (2022-04)	LTE; Overall description of LTE-based 5G broadcast (3GPP TR 36.976 version 17.0.0 Release 17)
819	ETSI TS 137 104 V15.16.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 15.16.0 Release 15)
820	ETSI TS 137 104 V16.13.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 16.13.0 Release 16)
821	ETSI TS 137 104 V17.5.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 17.5.0 Release 17)
822	ETSI TS 137 105 V15.16.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 15.16.0 Release 15)
823	ETSI TS 137 105 V16.11.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 16.11.0 Release 16)
824	ETSI TS 137 105 V17.5.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 17.5.0 Release 17)
825	ETSI TS 137 106 V17.0.0 (2022-04)	LTE; User Equipment (UE) requirements for shared spectrum channel access (3GPP TS 37.106 version 17.0.0 Release 17)
826	ETSI TS 137 107 V17.0.0 (2022-04)	LTE; Base Station (BS) requirements and conformance tests for shared spectrum channel access (3GPP TS 37.107 version 17.0.0 Release 17)
827	ETSI TS 137 113 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 17.0.0 Release 17)
828	ETSI TS 137 114 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Active Antenna System (AAS) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.114 version 17.0.0 Release 17)
829	ETSI TS 137 141 V15.17.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 15.17.0 Release 15)

830	ETSI TS 137 141 V17.5.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 17.5.0 Release 17)
831	ETSI TS 137 141 V16.13.1 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 16.13.1 Release 16)
832	ETSI TS 137 144 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance requirements (3GPP TS 37.144 version 17.0.0 Release 17)
833	ETSI TS 137 145-1 V15.13.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 15.13.0 Release 15)
834	ETSI TS 137 145-1 V16.10.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 16.10.0 Release 16)
835	ETSI TS 137 145-1 V17.5.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 17.5.0 Release 17)
836	ETSI TS 137 145-2 V17.5.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 17.5.0 Release 17)
837	ETSI TS 137 145-2 V15.14.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 15.14.0 Release 15)
838	ETSI TS 137 145-2 V16.11.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 16.11.0 Release 16)
839	ETSI TS 137 171 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA); User Equipment (UE) performance requirements for Radio Access Technology (RAT) Independent Positioning Enhancements (3GPP TS 37.171 version 17.0.0 Release 17)
840	ETSI TS 137 213 V16.8.0 (2022-04)	LTE; 5G; Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 16.8.0 Release 16)
841	ETSI TS 137 213 V17.1.0 (2022-04)	LTE; 5G; Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 17.1.0 Release 17)
842	ETSI TS 137 460 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; luant interface: General aspects and principles (3GPP TS 37.460 version 17.0.0 Release 17)
843	ETSI TS 137 461 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; luant interface: Layer 1 (3GPP TS 37.461 version 17.0.0 Release 17)
844	ETSI TS 137 462 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; luant interface: Signalling transport (3GPP TS 37.462 version 17.0.0 Release 17)

845	ETSI TS 137 466 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; luant interface: Application part (3GPP TS 37.466 version 17.0.0 Release 17)
846	ETSI TS 137 470 V17.0.0 (2022-04)	LTE; 5G; W1 interface; General aspects and principles (3GPP TS 37.470 version 17.0.0 Release 17)
847	ETSI TS 137 471 V17.0.0 (2022-04)	LTE; 5G; W1 interface; Layer 1 (3GPP TS 37.471 version 17.0.0 Release 17)
848	ETSI TS 137 472 V17.0.0 (2022-04)	LTE; 5G; W1 interface; Signalling transport (3GPP TS 37.472 version 17.0.0 Release 17)
849	ETSI TS 137 473 V16.8.0 (2022-04)	LTE; 5G; W1 interface; Application Protocol (W1AP) (3GPP TS 37.473 version 16.8.0 Release 16)
850	ETSI TS 137 473 V17.0.0 (2022-04)	LTE; 5G; W1 interface; Application Protocol (W1AP) (3GPP TS 37.473 version 17.0.0 Release 17)
851	ETSI TS 137 482 V17.0.0 (2022-04)	5G; E1 signalling transport (3GPP TS 37.482 version 17.0.0 Release 17)
852	ETSI TS 137 483 V17.0.0 (2022-04)	5G; E1 Application Protocol (E1AP) (3GPP TS 37.483 version 17.0.0 Release 17)
853	ETSI TR 137 900 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Radio Frequency (RF) requirements for Multicarrier and Multiple Radio Access Technology (Multi-RAT) Base Station (BS) (3GPP TR 37.900 version 17.0.0 Release 17)
854	ETSI TR 137 902 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Measurements of User Equipment (UE) radio performances for LTE/UMTS terminals; Total Radiated Power (TRP) and Total Radiated Sensitivity (TRS) test methodology (3GPP TR 37.902 version 17.0.0 Release 17)
855	ETSI TR 137 941 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 17.0.0 Release 17)
856	ETSI TR 137 976 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Measurement of radiated performance for Multiple Input Multiple Output (MIMO) and multi-antenna reception for High Speed Packet Access (HSPA) and LTE terminals (3GPP TR 37.976 version 17.0.0 Release 17)
857	ETSI TR 137 977 V17.0.0 (2022-04)	Universal Mobile Telecommunications System (UMTS); LTE; Universal Terrestrial Radio Access (UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRA); Verification of radiated multi-antenna reception performance of User Equipment (UE) (3GPP TR 37.977 version 17.0.0 Release 17)
858	ETSI TR 137 985 V16.1.0 (2022-04)	LTE; 5G; Overall description of Radio Access Network (RAN) aspects for Vehicle-to-everything (V2X) based on LTE and NR (3GPP TR 37.985 version 16.1.0 Release 16)
859	ETSI TR 137 985 V17.1.1 (2022-04)	LTE; 5G; Overall description of Radio Access Network (RAN) aspects for Vehicle-to-everything (V2X) based on LTE and NR (3GPP TR 37.985 version 17.1.1 Release 17)
860	ETSI TS 138 101-1 V15.16.0 (2022-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 15.16.0 Release 15)
861	ETSI TS 138 101-1 V16.10.0 (2022-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 16.10.0 Release 16)
862	ETSI TS 138 101-2 V15.17.0 (2022-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 15.17.0 Release 15)
863	ETSI TS 138 101-2 V17.5.0 (2022-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 17.5.0 Release 17)

864	ETSI TS 138 101-2 V16.10.1 (2022-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 16.10.1 Release 16)
865	ETSI TS 138 101-2 V16.11.0 (2022-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 16.11.0 Release 16)
866	ETSI TS 138 101-4 V15.13.0 (2022-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements (3GPP TS 38.101-4 version 15.13.0 Release 15)
867	ETSI TS 138 101-4 V16.8.0 (2022-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements (3GPP TS 38.101-4 version 16.8.0 Release 16)
868	ETSI TS 138 101-4 V17.4.0 (2022-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements (3GPP TS 38.101-4 version 17.4.0 Release 17)
869	ETSI TS 138 104 V16.11.0 (2022-04)	5G; NR; Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 16.11.0 Release 16)
870	ETSI TS 138 104 V17.5.0 (2022-04)	5G; NR; Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 17.5.0 Release 17)
871	ETSI TS 138 133 V15.16.0 (2022-04)	5G; NR; Requirements for support of radio resource management (3GPP TS 38.133 version 15.16.0 Release 15)
872	ETSI TS 138 133 V16.10.0 (2022-04)	5G; NR; Requirements for support of radio resource management (3GPP TS 38.133 version 16.10.0 Release 16)
873	ETSI TS 138 202 V17.1.0 (2022-04)	5G; NR; Services provided by the physical layer (3GPP TS 38.202 version 17.1.0 Release 17)
874	ETSI TS 138 211 V16.9.0 (2022-04)	5G; NR; Physical channels and modulation (3GPP TS 38.211 version 16.9.0 Release 16)
875	ETSI TS 138 211 V17.1.0 (2022-04)	5G; NR; Physical channels and modulation (3GPP TS 38.211 version 17.1.0 Release 17)
876	ETSI TS 138 212 V16.9.0 (2022-04)	5G; NR; Multiplexing and channel coding (3GPP TS 38.212 version 16.9.0 Release 16)
877	ETSI TS 138 212 V17.1.0 (2022-04)	5G; NR; Multiplexing and channel coding (3GPP TS 38.212 version 17.1.0 Release 17)
878	ETSI TS 138 213 V16.9.0 (2022-04)	5G; NR; Physical layer procedures for control (3GPP TS 38.213 version 16.9.0 Release 16)
879	ETSI TS 138 214 V15.16.0 (2022-04)	5G; NR; Physical layer procedures for data (3GPP TS 38.214 version 15.16.0 Release 15)
880	ETSI TS 138 214 V16.9.0 (2022-04)	5G; NR; Physical layer procedures for data (3GPP TS 38.214 version 16.9.0 Release 16)
881	ETSI TS 138 215 V16.5.0 (2022-04)	5G; NR; Physical layer measurements (3GPP TS 38.215 version 16.5.0 Release 16)
882	ETSI TS 138 215 V17.1.0 (2022-04)	5G; NR; Physical layer measurements (3GPP TS 38.215 version 17.1.0 Release 17)
883	ETSI TS 138 411 V17.0.0 (2022-04)	5G; NG-RAN; NG layer 1 (3GPP TS 38.411 version 17.0.0 Release 17)
884	ETSI TS 138 412 V17.0.0 (2022-04)	5G; NG-RAN; NG signalling transport (3GPP TS 38.412 version 17.0.0 Release 17)
885	ETSI TS 138 414 V17.0.0 (2022-04)	5G; NG-RAN; NG data transport (3GPP TS 38.414 version 17.0.0 Release 17)
886	ETSI TS 138 421 V17.0.0 (2022-04)	5G; NG-RAN; Xn layer 1 (3GPP TS 38.421 version 17.0.0 Release 17)
887	ETSI TS 138 422 V17.0.0 (2022-04)	5G; NG-RAN; Xn signalling transport (3GPP TS 38.422 version 17.0.0 Release 17)
888	ETSI TS 138 424 V17.0.0 (2022-04)	5G; NG-RAN; Xn data transport (3GPP TS 38.424 version 17.0.0 Release 17)
889	ETSI TS 138 471 V17.0.0 (2022-04)	5G; NG-RAN; F1 layer 1 (3GPP TS 38.471 version 17.0.0 Release 17)
890	ETSI TS 138 472 V17.0.0 (2022-04)	5G; NG-RAN; F1 signalling transport (3GPP TS 38.472 version 17.0.0 Release 17)

891	ETSI TS 138 474 V17.0.0 (2022-04)	5G; NG-RAN; F1 data transport (3GPP TS 38.474 version 17.0.0 Release 17)
892	ETSI TS 138 521-2 V16.10.0 (2022-04)	5G; NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Range 2 standalone (3GPP TS 38.521-2 version 16.10.0 Release 16)
893	ETSI TS 138 521-4 V16.10.0 (2022-04)	5G; NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 4: Performance (3GPP TS 38.521-4 version 16.10.0 Release 16)
894	ETSI TS 142 043 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Support of Localised Service Area (SoLSA); Service description; Stage 1 (3GPP TS 42.043 version 17.0.0 Release 17)
895	ETSI TS 142 056 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1 (3GPP TS 42.056 version 17.0.0 Release 17)
896	ETSI TS 142 068 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Voice Group Call Service (VGCS); Stage 1 (3GPP TS 42.068 version 17.0.0 Release 17)
897	ETSI TS 142 069 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Voice Broadcast Service (VBS); Stage 1 (3GPP TS 42.069 version 17.0.0 Release 17)
898	ETSI TS 143 068 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Voice Group Call Service (VGCS); Stage 2 (3GPP TS 43.068 version 17.0.0 Release 17)
899	ETSI TS 143 069 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Voice Broadcast Service (VBS); Stage 2 (3GPP TS 43.069 version 17.0.0 Release 17)
900	ETSI TS 144 001 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station - Base Station System (MS - BSS) interface; General aspects and principles (3GPP TS 44.001 version 17.0.0 Release 17)
901	ETSI TS 144 013 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Performance requirements on the mobile radio interface (3GPP TS 44.013 version 17.0.0 Release 17)
902	ETSI TS 144 056 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); GSM Cordless Telephony System (CTS), Phase 1; CTS radio interface layer 3 specification (3GPP TS 44.056 version 17.0.0 Release 17)
903	ETSI TS 144 057 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); GSM Cordless Telephony System (CTS), Phase 1; CTS supervising system layer 3 specification (3GPP TS 44.057 version 17.0.0 Release 17)
904	ETSI TS 144 064 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station - Serving GPRS Support Node (MS-SGSN); Logical Link Control (LLC) Layer Specification (3GPP TS 44.064 version 17.0.0 Release 17)
905	ETSI TS 144 065 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP) (3GPP TS 44.065 version 17.0.0 Release 17)
906	ETSI TS 144 068 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Group Call Control (GCC) protocol (3GPP TS 44.068 version 17.0.0 Release 17)
907	ETSI TS 144 069 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Broadcast Call Control (BCC) protocol (3GPP TS 44.069 version 17.0.0 Release 17)

908	ETSI TS 149 008 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Application of the Base Station System Application Part (BSSAP) on the E interface (3GPP TS 49.008 version 17.0.0 Release 17)
909	ETSI TS 151 010-4 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) conformance specification; Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (3GPP TS 51.010-4 version 17.0.0 Release 17)
910	ETSI TS 151 013 V17.0.0 (2022-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card (3GPP TS 51.013 version 17.0.0 Release 17)