

Nr.	Standard reference	Title
1	ETSI EN 302 208 V3.3.1 (2020-08)	Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W; Harmonised Standard for access to radio spectrum
2	ETSI EN 302 307-2 V1.2.1 (2020-08)	Digital Video Broadcasting (DVB); Second generation framing structure, channel coding and modulation systems for Broadcasting, Interactive Services, News Gathering and other broadband satellite applications; Part 2: DVB-S2 Extensions (DVB-S2X)
3	ETSI GS NFV-SOL 002 V2.8.1 (2020-08)	Network Functions Virtualisation (NFV) Release 2; Protocols and Data Models; RESTful protocols specification for the Ve-Vnfm Reference Point
4	ETSI GS NFV-SOL 002 V3.3.1 (2020-08)	Network Functions Virtualisation (NFV) Release 3; Protocols and Data Models; RESTful protocols specification for the Ve-Vnfm Reference Point
5	ETSI GS NFV-SOL 003 V3.3.1 (2020-08)	Network Functions Virtualisation (NFV) Release 3; Protocols and Data Models; RESTful protocols specification for the Or-Vnfm Reference Point
6	ETSI GS NFV-SOL 003 V2.8.1 (2020-08)	Network Functions Virtualisation (NFV) Release 2; Protocols and Data Models; RESTful protocols specification for the Or-Vnfm Reference Point
7	ETSI GS NFV-SOL 004 V2.8.1 (2020-08)	Network Functions Virtualisation (NFV) Release 2; Protocols and Data Models; VNF Package and PNFD Archive specification
8	ETSI GS NFV-SOL 004 V3.3.1 (2020-08)	Network Functions Virtualisation (NFV) Release 3; Protocols and Data Models; VNF Package and PNFD Archive specification
9	ETSI GS NFV-SOL 014 V2.8.1 (2020-08)	Network Functions Virtualisation (NFV) Release 2; Protocols and Data Models; YAML data model specification for descriptor-based virtualised resource management
10	ETSI GS NFV-SOL 016 V2.8.1 (2020-08)	Network Functions Virtualisation (NFV) Release 2; Protocols and Data Models; NFV-MANO procedures specification
11	ETSI TS 102 636-4-2 V1.3.1 (2020-08)	Intelligent Transport Systems (ITS); Vehicular Communications; GeoNetworking; Part 4: Geographical addressing and forwarding for point-to-point and point-to-multipoint communications; Sub-part 2: Media-dependent functionalities for ITS-G5
12	ETSI TS 102 636-4-3 V1.1.1 (2020-08)	Intelligent Transport Systems (ITS); Vehicular Communications; GeoNetworking; Part 4: Geographical addressing and forwarding for point-to-point and point-to-multipoint communications; Sub-part 3: Media-dependent functionalities for LTE-V2X
13	ETSI TS 103 120 V1.6.1 (2020-08)	Lawful Interception (LI); Interface for warrant information
14	ETSI TS 103 221-1 V1.7.1 (2020-08)	Lawful Interception (LI); Internal Network Interfaces; Part 1: X1
15	ETSI TS 103 221-2 V1.3.1 (2020-08)	Lawful Interception (LI); Internal Network Interfaces; Part 2: X2/X3
16	ETSI TS 103 558 V1.2.1 (2020-08)	Speech and multimedia Transmission Quality (STQ); Methods for objective assessment of listening effort
17	ETSI TS 103 653-1 V1.1.1 (2020-08)	Core Network and Interoperability Testing (INT); VoLTE/ViLTE interoperability test description over 4G/early 5G in physical/virtual environments; (3GPP™ Release 15); Part 1: Test Purposes (TP) and Protocol Implementation Conformance Statement (PICS) for VoLTE/ViLTE interoperability
18	ETSI TS 103 653-2 V1.1.1 (2020-08)	Core Network and Interoperability Testing (INT); VoLTE/ViLTE interoperability test description over 4G/early 5G in physical/virtual environments; (3GPP™ Release 15); Part 2: Test Descriptions for VoLTE/ViLTE interoperability
19	ETSI TS 103 653-3 V1.1.1 (2020-08)	Core Network and Interoperability Testing (INT); VoLTE/ViLTE interoperability test description over 4G/early 5G in physical/virtual environments; (3GPP™ Release 15); Part 3: Abstract Test Suit (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) for VoLTE/ViLTE interoperability
20	ETSI TS 121 101 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 16.0.0 Release 16)
21	ETSI TS 121 201 V16.0.0 (2020-08)	LTE; Technical Specifications and Technical Reports for an Evolved Packet System (EPS) based 3GPP system (3GPP TS 21.201 version 16.0.0 Release 16)
22	ETSI TS 121 202 V16.0.0 (2020-08)	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 16.0.0 Release 16)
23	ETSI TS 121 205 V16.0.0 (2020-08)	5G; Technical Specifications and Technical Reports for a 5G based 3GPP system (3GPP TS 21.205 version 16.0.0 Release 16)
24	ETSI TS 122 031 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Fraud Information Gathering System (FIGS); Service description;
25	ETSI TS 122 032 V16.0.0 (2020-08)	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 16.0.0 Release 16)

26	ETSI TS 123 031 V16.0.0 (2020-08)	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 16.0.0 Release 16)
27	ETSI TS 123 035 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Immediate Service Termination (IST); Stage 2 (3GPP TS 23.035 version 16.0.0 Release 16)
28	ETSI TS 123 259 V16.0.0 (2020-08)	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 16.0.0 Release 16)
29	ETSI TS 124 259 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Personal Network Management (PNM); Stage 3 (3GPP TS 24.259 version 16.0.0 Release 16)
30	ETSI TS 124 301 V16.5.1 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS); Stage 3 (3GPP TS 24.301 version 16.5.1 Release 16)
31	ETSI TS 124 302 V16.4.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Access to the 3GPP Evolved Packet Core (EPC) via non-3GPP access networks; Stage 3 (3GPP TS 24.302 version 16.4.0 Release 16)
32	ETSI TS 124 323 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 3GPP IP Multimedia Subsystem (IMS) service level tracing Management Object (MO) (3GPP TS 24.323 version 16.0.0 Release 16)
33	ETSI TS 124 379 V15.8.0 (2020-08)	LTE; Mission Critical Push To Talk (MCPTT) call control; Protocol specification (3GPP TS 24.379 version 15.8.0 Release 15)
34	ETSI TS 124 379 V14.12.0 (2020-08)	LTE; Mission Critical Push To Talk (MCPTT) call control; Protocol specification (3GPP TS 24.379 version 14.12.0 Release 14)
35	ETSI TS 124 379 V13.15.0 (2020-08)	LTE; Mission Critical Push To Talk (MCPTT) call control; Protocol specification (3GPP TS 24.379 version 13.15.0 Release 13)
36	ETSI TS 124 379 V16.5.0 (2020-08)	LTE; Mission Critical Push To Talk (MCPTT) call control; Protocol specification (3GPP TS 24.379 version 16.5.0 Release 16)
37	ETSI TS 124 483 V15.6.0 (2020-08)	LTE; Mission Critical Services (MCS) Management Object (MO) (3GPP TS 24.483 version 15.6.0 Release 15)
38	ETSI TS 124 483 V14.8.0 (2020-08)	LTE; Mission Critical Services (MCS) Management Object (MO) (3GPP TS 24.483 version 14.8.0 Release 14)
39	ETSI TS 124 483 V13.9.0 (2020-08)	LTE; Mission Critical Services (MCS) Management Object (MO) (3GPP TS 24.483 version 13.9.0 Release 13)
40	ETSI TS 124 483 V16.4.0 (2020-08)	LTE; Mission Critical Services (MCS) Management Object (MO) (3GPP TS 24.483 version 16.4.0 Release 16)
41	ETSI TS 124 502 V15.6.0 (2020-08)	5G; Access to the 3GPP 5G Core Network (5GCN) via non-3GPP access networks (3GPP TS 24.502 version 15.6.0 Release 15)
42	ETSI TS 124 502 V16.4.0 (2020-08)	5G; Access to the 3GPP 5G Core Network (5GCN) via non-3GPP access networks (3GPP TS 24.502 version 16.4.0 Release 16)
43	ETSI TS 124 544 V16.1.0 (2020-08)	5G; Group Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.544 version 16.1.0 Release 16)
44	ETSI TS 124 545 V16.1.0 (2020-08)	5G; Location Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.545 version 16.1.0 Release 16)
45	ETSI TS 124 546 V16.1.0 (2020-08)	5G; Configuration management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.546 version 16.1.0 Release 16)
46	ETSI TS 124 547 V16.1.0 (2020-08)	5G; Identity management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.547 version 16.1.0 Release 16)
47	ETSI TS 127 005 V16.0.0 (2020-08)	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 16.0.0 Release 16)
48	ETSI TS 127 007 V15.8.0 (2020-08)	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 15.8.0 Release 15)
49	ETSI TS 127 007 V16.5.0 (2020-08)	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 16.5.0 Release 16)
50	ETSI TS 128 310 V16.1.0 (2020-08)	5G; LTE; Management and orchestration; Energy efficiency of 5G (3GPP TS 28.310 version 16.1.0 Release 16)
51	ETSI TS 128 530 V16.2.0 (2020-08)	5G; Management and orchestration; Concepts, use cases and requirements (3GPP TS 28.530 version 16.2.0 Release 16)
52	ETSI TS 128 531 V16.6.0 (2020-08)	5G; Management and orchestration; Provisioning (3GPP TS 28.531 version 16.6.0 Release 16)
53	ETSI TS 128 531 V15.6.0 (2020-08)	5G; Management and orchestration; Provisioning (3GPP TS 28.531 version 15.6.0 Release 15)
54	ETSI TS 128 532 V16.4.0 (2020-08)	5G; Management and orchestration; Generic management services (3GPP TS 28.532 version 16.4.0 Release 16)

55	ETSI TS 128 532 V15.6.0 (2020-08)	5G; Management and orchestration; Generic management services (3GPP TS 28.532 version 15.6.0 Release 15)
56	ETSI TS 128 533 V16.4.0 (2020-08)	5G; Management and orchestration; Architecture framework (3GPP TS 28.533 version 16.4.0 Release 16)
57	ETSI TS 128 541 V16.5.0 (2020-08)	5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3 (3GPP TS 28.541 version 16.5.0 Release 16)
58	ETSI TS 128 541 V15.6.0 (2020-08)	5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3 (3GPP TS 28.541 version 15.6.0 Release 15)
59	ETSI TS 128 545 V15.2.0 (2020-08)	5G; Management and orchestration; Fault Supervision (FS) (3GPP TS 28.545 version 15.2.0 Release 15)
60	ETSI TS 128 545 V16.0.0 (2020-08)	5G; Management and orchestration; Fault Supervision (FS) (3GPP TS 28.545 version 16.0.0 Release 16)
61	ETSI TS 128 550 V16.5.0 (2020-08)	5G; Management and orchestration; Performance assurance (3GPP TS 28.550 version 16.5.0 Release 16)
62	ETSI TS 128 550 V15.5.0 (2020-08)	5G; Management and orchestration; Performance assurance (3GPP TS 28.550 version 15.5.0 Release 15)
63	ETSI TS 128 552 V15.6.0 (2020-08)	5G; Management and orchestration; 5G performance measurements (3GPP TS 28.552 version 15.6.0 Release 15)
64	ETSI TS 128 552 V16.6.0 (2020-08)	5G; Management and orchestration; 5G performance measurements (3GPP TS 28.552 version 16.6.0 Release 16)
65	ETSI TS 128 554 V16.5.0 (2020-08)	5G; Management and orchestration; 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 16.5.0 Release 16)
66	ETSI TS 128 622 V16.4.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 16.4.0 Release 16)
67	ETSI TS 128 623 V16.4.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.623 version 16.4.0 Release 16)
68	ETSI TS 128 658 V16.3.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.658 version 16.3.0 Release 16)
69	ETSI TS 129 016 V16.0.0 (2020-08)	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 16.0.0 Release 16)
70	ETSI TS 129 018 V16.0.0 (2020-08)	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 16.0.0 Release 16)
71	ETSI TS 129 061 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN) (3GPP TS 29.061 version 16.0.0 Release 16)
72	ETSI TS 129 061 V15.6.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN) (3GPP TS 29.061 version 15.6.0 Release 15)
73	ETSI TS 129 116 V16.5.0 (2020-08)	LTE; 5G; Representational state transfer over xMB reference point between content provider and BM-SC (3GPP TS 29.116 version 16.5.0 Release 16)
74	ETSI TS 129 118 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Mobility Management Entity (MME) - Visitor Location Register (VLR) SGs interface specification (3GPP TS 29.118 version 16.0.0 Release 16)
75	ETSI TS 129 122 V16.6.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; T8 reference point for Northbound APIs (3GPP TS 29.122 version 16.6.0 Release 16)
76	ETSI TS 129 122 V15.7.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; T8 reference point for Northbound APIs (3GPP TS 29.122 version 15.7.0 Release 15)
77	ETSI TS 129 165 V16.3.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 16.3.0 Release 16)
78	ETSI TS 129 213 V16.3.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Policy and charging control signalling flows and Quality of Service (QoS) parameter mapping (3GPP TS 29.213 version 16.3.0 Release 16)

79	ETSI TS 129 214 V15.8.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Policy and charging control over Rx reference point (3GPP TS 29.214 version 15.8.0 Release 15)
80	ETSI TS 129 214 V16.3.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Policy and charging control over Rx reference point (3GPP TS 29.214 version 16.3.0 Release 16)
81	ETSI TS 129 222 V16.3.0 (2020-08)	5G; LTE; Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 16.3.0 Release 16)
82	ETSI TS 129 222 V15.6.0 (2020-08)	5G; LTE; Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 15.6.0 Release 15)
83	ETSI TS 129 240 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 3GPP Generic User Profile (GUP); Stage 3; Network (3GPP TS 29.240 version 16.0.0 Release 16)
84	ETSI TS 129 343 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Proximity-services (ProSe) function to ProSe application server aspects (PC2); Stage 3 (3GPP TS 29.343 version 16.0.0 Release 16)
85	ETSI TS 129 486 V16.1.0 (2020-08)	LTE; 5G; Vehicle-to-Everything (V2X) Application Enabler (VAE) service; Stage 3 (3GPP TS 29.486 version 16.1.0 Release 16)
86	ETSI TS 129 507 V16.4.0 (2020-08)	5G; 5G System; Access and Mobility Policy Control Service; Stage 3 (3GPP TS 29.507 version 16.4.0 Release 16)
87	ETSI TS 129 507 V15.7.0 (2020-08)	5G; 5G System; Access and Mobility Policy Control Service; Stage 3 (3GPP TS 29.507 version 15.7.0 Release 15)
88	ETSI TS 129 508 V15.7.0 (2020-08)	5G; 5G System; Session Management Event Exposure Service; Stage 3 (3GPP TS 29.508 version 15.7.0 Release 15)
89	ETSI TS 129 508 V16.4.0 (2020-08)	5G; 5G System; Session Management Event Exposure Service; Stage 3 (3GPP TS 29.508 version 16.4.0 Release 16)
90	ETSI TS 129 512 V16.5.0 (2020-08)	5G; 5G System; Session Management Policy Control Service; Stage 3 (3GPP TS 29.512 version 16.5.0 Release 16)
91	ETSI TS 129 512 V15.7.0 (2020-08)	5G; 5G System; Session Management Policy Control Service; Stage 3 (3GPP TS 29.512 version 15.7.0 Release 15)
92	ETSI TS 129 513 V16.4.0 (2020-08)	5G; 5G System; Policy and Charging Control signalling flows and QoS parameter mapping; Stage 3 (3GPP TS 29.513 version 16.4.0 Release 16)
93	ETSI TS 129 513 V15.7.0 (2020-08)	5G; 5G System; Policy and Charging Control signalling flows and QoS parameter mapping; Stage 3 (3GPP TS 29.513 version 15.7.0 Release 15)
94	ETSI TS 129 514 V16.5.0 (2020-08)	5G; 5G System; Policy Authorization Service; Stage 3 (3GPP TS 29.514 version 16.5.0 Release 16)
95	ETSI TS 129 514 V15.7.0 (2020-08)	5G; 5G System; Policy Authorization Service; Stage 3 (3GPP TS 29.514 version 15.7.0 Release 15)
96	ETSI TS 129 517 V16.1.0 (2020-08)	5G; 5G System; Application Function (AF) event exposure service; Stage 3 (3GPP TS 29.517 version 16.1.0 Release 16)
97	ETSI TS 129 519 V15.7.0 (2020-08)	5G; 5G System; Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure; Stage 3 (3GPP TS 29.519 version 15.7.0 Release 15)
98	ETSI TS 129 519 V16.4.0 (2020-08)	5G; 5G System; Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure; Stage 3 (3GPP TS 29.519 version 16.4.0 Release 16)
99	ETSI TS 129 520 V15.6.0 (2020-08)	5G; 5G System; Network Data Analytics Services; Stage 3 (3GPP TS 29.520 version 15.6.0 Release 15)
100	ETSI TS 129 520 V16.4.0 (2020-08)	5G; 5G System; Network Data Analytics Services; Stage 3 (3GPP TS 29.520 version 16.4.0 Release 16)
101	ETSI TS 129 521 V16.4.0 (2020-08)	5G; 5G System; Binding Support Management Service; Stage 3 (3GPP TS 29.521 version 16.4.0 Release 16)
102	ETSI TS 129 521 V15.6.0 (2020-08)	5G; 5G System; Binding Support Management Service; Stage 3 (3GPP TS 29.521 version 15.6.0 Release 15)
103	ETSI TS 129 522 V16.4.0 (2020-08)	5G; 5G System; Network Exposure Function Northbound APIs; Stage 3 (3GPP TS 29.522 version 16.4.0 Release 16)
104	ETSI TS 129 523 V16.2.0 (2020-08)	5G; 5G System; Policy Control Event Exposure Service; Stage 3 (3GPP TS 29.523 version 16.2.0 Release 16)
105	ETSI TS 129 523 V15.3.0 (2020-08)	5G; 5G System; Policy Control Event Exposure Service; Stage 3 (3GPP TS 29.523 version 15.3.0 Release 15)
106	ETSI TS 129 525 V16.4.0 (2020-08)	5G; 5G System; UE Policy Control Service; Stage 3 (3GPP TS 29.525 version 16.4.0 Release 16)
107	ETSI TS 129 525 V15.5.0 (2020-08)	5G; 5G System; UE Policy Control Service; Stage 3 (3GPP TS 29.525 version 15.5.0 Release 15)
108	ETSI TS 129 549 V16.0.0 (2020-08)	5G; LTE; Service Enabler Architecture Layer (SEAL); Application Programming Interface (API) specification; Stage 3 (3GPP TS 29.549 version 16.0.0 Release 16)
109	ETSI TS 129 551 V16.4.0 (2020-08)	5G; 5G System; Packet Flow Description Management Service; Stage 3 (3GPP TS 29.551 version 16.4.0 Release 16)
110	ETSI TS 129 554 V15.5.0 (2020-08)	5G; 5G System; Background Data Transfer Policy Control Service; Stage 3 (3GPP TS 29.554 version 15.5.0 Release 15)
111	ETSI TS 129 554 V16.4.0 (2020-08)	5G; 5G System; Background Data Transfer Policy Control Service; Stage 3 (3GPP TS 29.554 version 16.4.0 Release 16)

112	ETSI TS 129 561 V16.4.0 (2020-08)	5G; 5G System; Interworking between 5G Network and external Data Networks; Stage 3 (3GPP TS 29.561 version 16.4.0 Release 16)
113	ETSI TS 129 561 V15.4.0 (2020-08)	5G; 5G System; Interworking between 5G Network and external Data Networks; Stage 3 (3GPP TS 29.561 version 15.4.0 Release 15)
114	ETSI TS 129 582 V16.1.0 (2020-08)	LTE; 5G; Mission Critical Data (MCDData) interworking with Land Mobile Radio (LMR) systems; Stage 3 (3GPP TS 29.582 version 16.1.0 Release 16)
115	ETSI TS 129 591 V16.1.0 (2020-08)	5G; 5G System (5GS); Network exposure function southbound services; Stage 3 (3GPP TS 29.591 version 16.1.0 Release 16)
116	ETSI TS 129 594 V16.2.0 (2020-08)	5G; 5G System; Spending Limit Control Service; Stage 3 (3GPP TS 29.594 version 16.2.0 Release 16)
117	ETSI TS 129 594 V15.6.0 (2020-08)	5G; 5G System; Spending Limit Control Service; Stage 3 (3GPP TS 29.594 version 15.6.0 Release 15)
118	ETSI TS 129 675 V16.1.0 (2020-08)	LTE; 5G; User Equipment (UE) radio capability provisioning service; Stage 3 (3GPP TS 29.675 version 16.1.0 Release 16)
119	ETSI TR 129 935 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Study on User Data Convergence (UDC) data model (3GPP TR 29.935 version 16.0.0 Release 16)
120	ETSI TS 131 116 V16.0.0 (2020-08)	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 16.0.0 Release 16)
121	ETSI TS 131 130 V16.0.0 (2020-08)	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 16.0.0 Release 16)
122	ETSI TS 131 131 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; C-language binding to (U)SIM API (3GPP TS 31.131 version 16.0.0 Release 16)
123	ETSI TS 132 101 V16.0.0 (2020-08)	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 16.0.0 Release 16)
124	ETSI TS 132 103 V16.0.0 (2020-08)	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 16.0.0 Release 16)
125	ETSI TS 132 103 V15.1.0 (2020-08)	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 15.1.0 Release 15)
126	ETSI TS 132 158 V15.5.0 (2020-08)	LTE; 5G; Management and orchestration; Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 15.5.0 Release 15)
127	ETSI TS 132 160 V16.3.0 (2020-08)	LTE; 5G; Management and orchestration; Management service template (3GPP TS 32.160 version 16.3.0 Release 16)
128	ETSI TS 132 254 V16.3.0 (2020-08)	LTE; 5G; Telecommunication management; Charging management; Exposure function Northbound Application Program Interfaces (APIs) charging (3GPP TS 32.254 version 16.3.0 Release 16)
129	ETSI TS 132 255 V16.5.0 (2020-08)	5G; Telecommunication management; Charging management; 5G data connectivity domain charging; Stage 2 (3GPP TS 32.255 version 16.5.0 Release 16)
130	ETSI TS 132 256 V16.1.0 (2020-08)	5G; Charging management; 5G connection and mobility domain charging; Stage 2 (3GPP TS 32.256 version 16.1.0 Release 16)
131	ETSI TS 132 290 V16.4.0 (2020-08)	5G; Telecommunication management; Charging management; 5G system; Services, operations and procedures of charging using Service Based Interface (SBI) (3GPP TS 32.290 version 16.4.0 Release 16)
132	ETSI TS 132 291 V16.4.2 (2020-08)	5G; Telecommunication management; Charging management; 5G system, charging service; Stage 3 (3GPP TS 32.291 version 16.4.2 Release 16)
133	ETSI TS 132 291 V15.6.1 (2020-08)	5G; Telecommunication management; Charging management; 5G system, charging service; Stage 3 (3GPP TS 32.291 version 15.6.1 Release 15)
134	ETSI TS 132 297 V16.1.0 (2020-08)	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 16.1.0 Release 16)
135	ETSI TS 132 298 V15.11.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Charging Data Record (CDR) parameter description (3GPP TS 32.298 version 15.11.0 Release 15)
136	ETSI TS 132 298 V16.5.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Charging Data Record (CDR) parameter description (3GPP TS 32.298 version 16.5.0 Release 16)

137	ETSI TS 132 322 V15.1.0 (2020-08)	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 15.1.0 Release 15)
138	ETSI TS 132 322 V13.1.0 (2020-08)	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 13.1.0 Release 13)
139	ETSI TS 132 322 V9.1.0 (2020-08)	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 9.1.0 Release 9)
140	ETSI TS 132 322 V14.1.0 (2020-08)	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 14.1.0 Release 14)
141	ETSI TS 132 322 V12.1.0 (2020-08)	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 12.1.0 Release 12)
142	ETSI TS 132 322 V8.1.0 (2020-08)	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 8.1.0 Release 8)
143	ETSI TS 132 322 V11.1.0 (2020-08)	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 11.1.0 Release 11)

144	ETSI TS 132 322 V10.1.0 (2020-08)	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 10.1.0 Release 10)
145	ETSI TS 132 422 V16.2.0 (2020-08)	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 16.2.0 Release 16)
146	ETSI TS 132 422 V8.10.0 (2020-08)	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 8.10.0 Release 8)
147	ETSI TS 132 422 V13.1.0 (2020-08)	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 13.1.0 Release 13)
148	ETSI TS 132 422 V11.13.0 (2020-08)	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 11.13.0 Release 11)
149	ETSI TS 132 422 V12.5.0 (2020-08)	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 12.5.0 Release 12)
150	ETSI TS 132 422 V14.1.0 (2020-08)	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 14.1.0 Release 14)
151	ETSI TS 132 422 V9.7.0 (2020-08)	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 9.7.0 Release 9)
152	ETSI TS 132 422 V10.14.0 (2020-08)	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 10.14.0 Release 10)
153	ETSI TS 132 422 V15.4.0 (2020-08)	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 15.4.0 Release 15)
154	ETSI TS 132 423 V8.6.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace data definition and management (3GPP TS 32.423 version 8.6.0 Release 8)
155	ETSI TS 132 423 V16.1.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace data definition and management (3GPP TS 32.423 version 16.1.0 Release 16)
156	ETSI TS 132 423 V14.1.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace data definition and management (3GPP TS 32.423 version 14.1.0 Release 14)
157	ETSI TS 132 423 V11.9.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace data definition and management (3GPP TS 32.423 version 11.9.0 Release 11)
158	ETSI TS 132 423 V12.2.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace data definition and management (3GPP TS 32.423 version 12.2.0 Release 12)
159	ETSI TS 132 423 V10.10.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace data definition and management (3GPP TS 32.423 version 10.10.0 Release 10)
160	ETSI TS 132 423 V9.8.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace data definition and management (3GPP TS 32.423 version 9.8.0 Release 9)
161	ETSI TS 132 423 V13.1.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace data definition and management (3GPP TS 32.423 version 13.1.0 Release 13)

162	ETSI TS 132 423 V15.3.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace data definition and management (3GPP TS 32.423 version 15.3.0 Release 15)
163	ETSI TS 133 106 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 3G security; Lawful interception requirements (3GPP TS 33.106 version 16.0.0 Release 16)
164	ETSI TS 133 107 V16.0.0 (2020-08)	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 16.0.0 Release 16)
165	ETSI TS 143 068 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Voice Group Call Service (VGCS); Stage 2 (3GPP TS 43.068 version 16.0.0 Release 16)
166	ETSI TS 143 069 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Voice Broadcast Service (VBS); Stage 2 (3GPP TS 43.069 version 16.0.0 Release 16)
167	ETSI TS 144 001 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station - Base Station System (MS - BSS) interface; General aspects and principles (3GPP TS 44.001 version 16.0.0 Release 16)
168	ETSI TS 144 013 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Performance requirements on the mobile radio interface (3GPP TS 44.013 version 16.0.0 Release 16)
169	ETSI TS 144 056 V16.0.0 (2020-08)	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 16.0.0 Release 16)
170	ETSI TS 144 057 V16.0.0 (2020-08)	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 16.0.0 Release 16)
171	ETSI TS 144 064 V16.0.0 (2020-08)	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 16.0.0 Release 16)
172	ETSI TS 144 065 V16.0.0 (2020-08)	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 16.0.0 Release 16)
173	ETSI TS 144 068 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Group Call Control (GCC) protocol (3GPP TS 44.068 version 16.0.0 Release 16)
174	ETSI TS 144 069 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Broadcast Call Control (BCC) protocol (3GPP TS 44.069 version 16.0.0 Release 16)
175	ETSI TS 149 008 V16.0.0 (2020-08)	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 16.0.0 Release 16)
176	ETSI TS 151 013 V16.0.0 (2020-08)	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 16.0.0 Release 16)
177	ETSI GS CIM 009 V1.3.1 (2020-08)	Context Information Management (CIM); NGSI-LD API
178	ETSI TS 102 232-7 V3.8.1 (2020-08)	Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 7: Service-specific details for Mobile Services
179	ETSI TS 102 657 V1.26.1 (2020-08)	Lawful Interception (LI); Retained data handling; Handover interface for the request and delivery of retained data
180	ETSI TR 103 477 V1.2.1 (2020-08)	eHEALTH; Standardization use cases for eHealth
181	ETSI TS 103 485 V1.1.1 (2020-08)	CYBER; Mechanisms for privacy assurance and verification
182	ETSI TS 103 673 V1.1.1 (2020-08)	SmartM2M; SAREF Development Framework and Workflow, Streamlining the Development of SAREF and its Extensions
183	ETSI TS 122 261 V16.12.0 (2020-08)	5G; Service requirements for the 5G system (3GPP TS 22.261 version 16.12.0 Release 16)
184	ETSI TS 122 280 V16.8.0 (2020-08)	LTE; 5G; Mission Critical Services Common Requirements (MCCoRe); Stage 1 (3GPP TS 22.280 version 16.8.0 Release 16)
185	ETSI TS 123 146 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Technical realization of facsimile Group 3 non-transparent (3GPP TS 23.146 version 16.0.0 Release 16)
186	ETSI TS 123 172 V16.0.0 (2020-08)	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 16.0.0 Release 16)
187	ETSI TS 123 202 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Circuit switched data bearer services (3GPP TS 23.202 version 16.0.0 Release 16)
188	ETSI TS 124 022 V16.0.0 (2020-08)	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 16.0.0 Release 16)
189	ETSI TS 124 501 V16.5.1 (2020-08)	5G; Non-Access-Stratum (NAS) protocol for 5G System (5GS); Stage 3 (3GPP TS 24.501 version 16.5.1 Release 16)

190	ETSI TS 124 548 V16.0.0 (2020-08)	5G; Network Resource Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.548 version 16.0.0 Release 16)
191	ETSI TS 124 587 V16.1.1 (2020-08)	5G; Vehicle-to-Everything (V2X) services in 5G System (5GS); Stage 3 (3GPP TS 24.587 version 16.1.1 Release 16)
192	ETSI TS 124 588 V16.1.0 (2020-08)	5G; Vehicle-to-Everything (V2X) services in 5G System (5GS); User Equipment (UE) policies; Stage 3 (3GPP TS 24.588 version 16.1.0 Release 16)
193	ETSI TS 127 001 V16.0.0 (2020-08)	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 16.0.0 Release 16)
194	ETSI TS 127 002 V16.0.0 (2020-08)	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 16.0.0 Release 16)
195	ETSI TS 127 003 V16.0.0 (2020-08)	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 16.0.0 Release 16)
196	ETSI TS 127 010 V16.0.0 (2020-08)	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 16.0.0 Release 16)
197	ETSI TS 127 060 V16.0.0 (2020-08)	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 16.0.0 Release 16)
198	ETSI TS 128 301 V16.0.0 (2020-08)	LTE; Telecommunication management; Licensed Shared Access (LSA) Controller (LC) Integration Reference Point (IRP); Requirements (3GPP TS 28.301 version 16.0.0 Release 16)
199	ETSI TS 128 303 V16.0.0 (2020-08)	LTE; Telecommunication management; Licensed Shared Access (LSA) Controller (LC) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.303 version 16.0.0 Release 16)
200	ETSI TS 128 306 V16.0.0 (2020-08)	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 16.0.0 Release 16)
201	ETSI TS 128 402 V16.0.0 (2020-08)	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 16.0.0 Release 16)
202	ETSI TS 128 403 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements for Wireless Local Area Network (WLAN) (3GPP TS 28.403 version 16.0.0 Release 16)
203	ETSI TS 128 500 V16.0.0 (2020-08)	LTE; Telecommunication management; Management concept, architecture and requirements for mobile networks that include virtualized network functions (3GPP TS 28.500 version 16.0.0 Release 16)
204	ETSI TS 128 510 V16.0.0 (2020-08)	LTE; Telecommunication management; Configuration Management (CM) for mobile networks that include virtualized network functions; Requirements (3GPP TS 28.510 version 16.0.0 Release 16)
205	ETSI TS 128 511 V16.0.0 (2020-08)	LTE; Telecommunication management; Configuration Management (CM) for mobile networks that include virtualized network functions; Procedures (3GPP TS 28.511 version 16.0.0 Release 16)
206	ETSI TS 128 512 V16.0.0 (2020-08)	LTE; Telecommunication management; Configuration Management (CM) for mobile networks that include virtualized network functions; Stage 2 (3GPP TS 28.512 version 16.0.0 Release 16)
207	ETSI TS 128 513 V16.0.0 (2020-08)	LTE; Telecommunication management; Configuration Management (CM) for mobile networks that include virtualized network functions; Stage 3 (3GPP TS 28.513 version 16.0.0 Release 16)
208	ETSI TS 128 515 V16.0.0 (2020-08)	LTE; Telecommunication management; Fault Management (FM) for mobile networks that include virtualized network functions; Requirements (3GPP TS 28.515 version 16.0.0 Release 16)
209	ETSI TS 128 516 V16.0.0 (2020-08)	LTE; Telecommunication management; Fault Management (FM) for mobile networks that include virtualized network functions; Procedures (3GPP TS 28.516 version 16.0.0 Release 16)
210	ETSI TS 128 517 V16.0.0 (2020-08)	LTE; Telecommunication management; Fault Management (FM) for mobile networks that include virtualized network functions; Stage 2 (3GPP TS 28.517 version 16.0.0 Release 16)

211	ETSI TS 128 518 V16.0.0 (2020-08)	LTE; Telecommunication management; Fault Management (FM) for mobile networks that include virtualized network functions; Stage 3 (3GPP TS 28.518 version 16.0.0 Release 16)
212	ETSI TS 128 520 V16.0.0 (2020-08)	LTE; Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Requirements (3GPP TS 28.520 version 16.0.0 Release 16)
213	ETSI TS 128 521 V16.0.0 (2020-08)	LTE; Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Procedures (3GPP TS 28.521 version 16.0.0 Release 16)
214	ETSI TS 128 522 V16.0.0 (2020-08)	LTE; Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Stage 2 (3GPP TS 28.522 version 16.0.0 Release 16)
215	ETSI TS 128 523 V16.0.0 (2020-08)	LTE; Telecommunication management; Performance Management (PM) for mobile networks that include virtualized network functions; Stage 3 (3GPP TS 28.523 version 16.0.0 Release 16)
216	ETSI TS 128 525 V16.0.0 (2020-08)	LTE; Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Requirements (3GPP TS 28.525 version 16.0.0 Release 16)
217	ETSI TS 128 526 V16.0.0 (2020-08)	LTE; Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Procedures (3GPP TS 28.526 version 16.0.0 Release 16)
218	ETSI TS 128 527 V16.0.0 (2020-08)	LTE; Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Stage 2 (3GPP TS 28.527 version 16.0.0 Release 16)
219	ETSI TS 128 528 V16.0.0 (2020-08)	LTE; Telecommunication management; Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Stage 3 (3GPP TS 28.528 version 16.0.0 Release 16)
220	ETSI TS 128 611 V16.0.0 (2020-08)	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 16.0.0 Release 16)
221	ETSI TS 128 612 V16.0.0 (2020-08)	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 16.0.0 Release 16)
222	ETSI TS 128 616 V16.0.0 (2020-08)	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 16.0.0 Release 16)
223	ETSI TS 128 620 V16.0.0 (2020-08)	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 16.0.0 Release 16)
224	ETSI TS 128 621 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.621 version 16.0.0 Release 16)
225	ETSI TS 128 624 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; State management data definition Integration Reference Point (IRP); Requirements (3GPP TS 28.624 version 16.0.0 Release 16)
226	ETSI TS 128 625 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; State management data definition Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.625 version 16.0.0 Release 16)
227	ETSI TS 128 626 V16.0.0 (2020-08)	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 16.0.0 Release 16)
228	ETSI TS 128 628 V16.0.0 (2020-08)	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 16.0.0 Release 16)
229	ETSI TS 128 629 V16.0.0 (2020-08)	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 16.0.0 Release 16)

230	ETSI TS 128 631 V16.0.0 (2020-08)	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 16.0.0 Release 16)
231	ETSI TS 128 632 V16.0.0 (2020-08)	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 16.0.0 Release 16)
232	ETSI TS 128 633 V16.0.0 (2020-08)	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 16.0.0 Release 16)
233	ETSI TS 128 651 V16.0.0 (2020-08)	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 16.0.0 Release 16)
234	ETSI TS 128 652 V16.0.0 (2020-08)	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 16.0.0 Release 16)
235	ETSI TS 128 653 V16.0.0 (2020-08)	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 16.0.0 Release 16)
236	ETSI TS 128 654 V16.0.0 (2020-08)	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 16.0.0 Release 16)
237	ETSI TS 128 655 V16.0.0 (2020-08)	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 16.0.0 Release 16)
238	ETSI TS 128 657 V16.0.0 (2020-08)	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 16.0.0 Release 16)
239	ETSI TS 128 661 V16.0.0 (2020-08)	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 16.0.0 Release 16)
240	ETSI TS 128 662 V16.0.0 (2020-08)	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 16.0.0 Release 16)
241	ETSI TS 128 663 V16.0.0 (2020-08)	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 16.0.0 Release 16)
242	ETSI TS 128 667 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Radio Planning Tool Access (RPTA) Integration Reference Point (IRP); Requirements (3GPP TS 28.667 version 16.0.0 Release 16)
243	ETSI TS 128 668 V16.0.0 (2020-08)	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 16.0.0 Release 16)
244	ETSI TS 128 669 V16.0.0 (2020-08)	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 16.0.0 Release 16)
245	ETSI TS 128 671 V16.0.0 (2020-08)	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 16.0.0 Release 16)
246	ETSI TS 128 672 V16.0.0 (2020-08)	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 16.0.0 Release 16)

247	ETSI TS 128 673 V16.0.0 (2020-08)	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 16.0.0 Release 16)
248	ETSI TS 128 674 V16.0.0 (2020-08)	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 16.0.0 Release 16)
249	ETSI TS 128 675 V16.0.0 (2020-08)	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 16.0.0 Release 16)
250	ETSI TS 128 676 V16.0.0 (2020-08)	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 16.0.0 Release 16)
251	ETSI TS 128 680 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Wireless Local Area Network (WLAN) management; Concepts and requirements (3GPP TS 28.680 version 16.0.0 Release 16)
252	ETSI TS 128 681 V16.0.0 (2020-08)	LTE; Telecommunication management; Wireless Local Area Network (WLAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.681 version 16.0.0 Release 16)
253	ETSI TS 128 682 V16.0.0 (2020-08)	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 16.0.0 Release 16)
254	ETSI TS 128 683 V16.0.0 (2020-08)	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 16.0.0 Release 16)
255	ETSI TS 128 701 V16.0.0 (2020-08)	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 16.0.0 Release 16)
256	ETSI TS 128 702 V16.0.0 (2020-08)	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 16.0.0 Release 16)
257	ETSI TS 128 703 V16.0.0 (2020-08)	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 16.0.0 Release 16)
258	ETSI TS 128 704 V16.0.0 (2020-08)	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 16.0.0 Release 16)
259	ETSI TS 128 705 V16.0.0 (2020-08)	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 16.0.0 Release 16)
260	ETSI TS 128 706 V16.0.0 (2020-08)	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 16.0.0 Release 16)
261	ETSI TS 128 707 V16.0.0 (2020-08)	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 16.0.0 Release 16)
262	ETSI TS 128 708 V16.0.0 (2020-08)	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 16.0.0 Release 16)
263	ETSI TS 128 709 V16.0.0 (2020-08)	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 16.0.0 Release 16)
264	ETSI TS 128 731 V16.0.0 (2020-08)	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 16.0.0 Release 16)

265	ETSI TS 128 732 V16.0.0 (2020-08)	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 16.0.0 Release 16)
266	ETSI TS 128 733 V16.0.0 (2020-08)	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 16.0.0 Release 16)
267	ETSI TS 128 734 V16.0.0 (2020-08)	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 16.0.0 Release 16)
268	ETSI TS 128 735 V16.0.0 (2020-08)	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 16.0.0 Release 16)
269	ETSI TS 128 736 V16.0.0 (2020-08)	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 16.0.0 Release 16)
270	ETSI TS 128 751 V16.0.0 (2020-08)	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 16.0.0 Release 16)
271	ETSI TS 128 752 V16.0.0 (2020-08)	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 16.0.0 Release 16)
272	ETSI TS 128 753 V16.0.0 (2020-08)	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 16.0.0 Release 16)
273	ETSI TS 129 007 V16.0.0 (2020-08)	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 16.0.0 Release 16)
274	ETSI TS 129 079 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Optimal media routing within the IP Multimedia Subsystem (IMS); Stage 3 (3GPP TS 29.079 version 16.0.0 Release 16)
275	ETSI TS 129 153 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Service capability exposure functionality over Ns reference point (3GPP TS 29.153 version 16.0.0 Release 16)
276	ETSI TS 129 154 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Service capability exposure functionality over Nt reference point (3GPP TS 29.154 version 16.0.0 Release 16)
277	ETSI TS 129 155 V16.0.0 (2020-08)	LTE; Traffic steering control; Representational State Transfer (REST) over St reference point (3GPP TS 29.155 version 16.0.0 Release 16)
278	ETSI TS 129 164 V16.0.0 (2020-08)	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 16.0.0 Release 16)
279	ETSI TS 129 201 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Representational State Transfer (REST) reference point between Application Function (AF) and Protocol Converter (PC) (3GPP TS 29.201 version 16.0.0 Release 16)
280	ETSI TS 129 215 V16.0.0 (2020-08)	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 16.0.0 Release 16)
281	ETSI TS 129 217 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Policy and Charging Control (PCC); Congestion reporting over Np reference point (3GPP TS 29.217 version 16.0.0 Release 16)
282	ETSI TS 129 219 V16.0.0 (2020-08)	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 16.0.0 Release 16)
283	ETSI TS 129 235 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Interworking between SIP-I based circuit-switched core network and other networks (3GPP TS 29.235 version 16.0.0 Release 16)

284	ETSI TS 129 292 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Interworking between the IP Multimedia (IM) Core Network (CN) subsystem (IMS) and MSC Server for IMS Centralized Services (ICS) (3GPP TS 29.292 version 16.0.0 Release 16)
285	ETSI TS 129 311 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Service Level Interworking (SLI) for messaging services (3GPP TS 29.311 version 16.0.0 Release 16)
286	ETSI TS 129 368 V16.0.0 (2020-08)	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 16.0.0 Release 16)
287	ETSI TS 129 414 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Core network Nb data transport and transport signalling (3GPP TS 29.414 version 16.0.0 Release 16)
288	ETSI TS 129 415 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Core network Nb interface user plane protocols (3GPP TS 29.415 version 16.0.0 Release 16)
289	ETSI TS 129 468 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Group Communication System Enablers for LTE (GCSE_LTE); MB2 reference point; Stage 3 (3GPP TS 29.468 version 16.0.0 Release 16)
290	ETSI TS 129 658 V16.0.0 (2020-08)	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 16.0.0 Release 16)
291	ETSI TR 129 909 V16.0.0 (2020-08)	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 16.0.0 Release 16)
292	ETSI TR 129 949 V16.0.0 (2020-08)	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 16.0.0 Release 16)
293	ETSI TS 132 102 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Architecture (3GPP TS 32.102 version 16.0.0 Release 16)
294	ETSI TS 132 107 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 16.0.0 Release 16)
295	ETSI TS 132 111-1 V16.0.0 (2020-08)	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 16.0.0 Release 16)
296	ETSI TS 132 111-2 V16.0.0 (2020-08)	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 16.0.0 Release 16)
297	ETSI TS 132 111-6 V16.0.0 (2020-08)	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 16.0.0 Release 16)
298	ETSI TS 132 121 V16.0.0 (2020-08)	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 16.0.0 Release 16)
299	ETSI TS 132 122 V16.0.0 (2020-08)	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 16.0.0 Release 16)
300	ETSI TS 132 126 V16.0.0 (2020-08)	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 16.0.0 Release 16)
301	ETSI TS 132 130 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Network sharing; Concepts and requirements (3GPP TS 32.130 version 16.0.0 Release 16)
302	ETSI TS 132 140 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscription Management (SuM) requirements (3GPP TS 32.140 version 16.0.0 Release 16)

303	ETSI TS 132 141 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscription Management (SuM) architecture (3GPP TS 32.141 version 16.0.0 Release 16)
304	ETSI TS 132 150 V16.0.0 (2020-08)	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 16.0.0 Release 16)
305	ETSI TS 132 153 V16.0.0 (2020-08)	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 16.0.0 Release 16)
306	ETSI TS 132 154 V16.0.0 (2020-08)	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 16.0.0 Release 16)
307	ETSI TS 132 155 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Requirements template (3GPP TS 32.155 version 16.0.0 Release 16)
308	ETSI TS 132 157 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template (3GPP TS 32.157 version 16.0.0 Release 16)
309	ETSI TS 132 158 V16.0.0 (2020-08)	LTE; 5G; Management and orchestration; Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 16.0.0 Release 16)
310	ETSI TS 132 181 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; User Data Convergence (UDC); Framework for Model Handling and Management (3GPP TS 32.181 version 16.0.0 Release 16)
311	ETSI TS 132 182 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; User Data Convergence (UDC); Common baseline information model (CBIM) (3GPP TS 32.182 version 16.0.0 Release 16)
312	ETSI TS 132 250 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Circuit Switched (CS) domain charging (3GPP TS 32.250 version 16.0.0 Release 16)
313	ETSI TS 132 253 V16.0.0 (2020-08)	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 16.0.0 Release 16)
314	ETSI TS 132 270 V16.0.0 (2020-08)	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 16.0.0 Release 16)
315	ETSI TS 132 271 V16.0.0 (2020-08)	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 16.0.0 Release 16)
316	ETSI TS 132 272 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging (3GPP TS 32.272 version 16.0.0 Release 16)
317	ETSI TS 132 273 V16.0.0 (2020-08)	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 16.0.0 Release 16)
318	ETSI TS 132 274 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Short Message Service (SMS) charging (3GPP TS 32.274 version 16.0.0 Release 16)
319	ETSI TS 132 276 V16.0.0 (2020-08)	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 16.0.0 Release 16)
320	ETSI TS 132 277 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Proximity-based Services (ProSe) charging (3GPP TS 32.277 version 16.0.0 Release 16)
321	ETSI TS 132 278 V16.0.0 (2020-08)	LTE; Telecommunication management; Charging management; Monitoring event charging (3GPP TS 32.278 version 16.0.0 Release 16)

322	ETSI TS 132 280 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Advice of Charge (AoC) service (3GPP TS 32.280 version 16.0.0 Release 16)
323	ETSI TS 132 293 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Proxy function (3GPP TS 32.293 version 16.0.0 Release 16)
324	ETSI TS 132 295 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Charging Data Record (CDR) transfer (3GPP TS 32.295 version 16.0.0 Release 16)
325	ETSI TS 132 296 V16.0.0 (2020-08)	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 16.0.0 Release 16)
326	ETSI TS 132 300 V16.0.0 (2020-08)	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 16.0.0 Release 16)
327	ETSI TS 132 301 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP);
328	ETSI TS 132 302 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP);
329	ETSI TS 132 306 V16.0.0 (2020-08)	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 16.0.0 Release 16)
330	ETSI TS 132 311 V16.0.0 (2020-08)	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 16.0.0 Release 16)
331	ETSI TS 132 312 V16.0.0 (2020-08)	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 16.0.0 Release 16)
332	ETSI TS 132 316 V16.0.0 (2020-08)	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 16.0.0 Release 16)
333	ETSI TS 132 321 V16.0.0 (2020-08)	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 16.0.0 Release 16)
334	ETSI TS 132 322 V16.0.0 (2020-08)	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 16.0.0 Release 16)
335	ETSI TS 132 326 V16.0.0 (2020-08)	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 16.0.0 Release 16)
336	ETSI TS 132 331 V16.0.0 (2020-08)	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 16.0.0 Release 16)
337	ETSI TS 132 332 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.332 version 16.0.0 Release 16)
338	ETSI TS 132 336 V16.0.0 (2020-08)	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 16.0.0 Release 16)
339	ETSI TS 132 341 V16.0.0 (2020-08)	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 16.0.0 Release 16)

340	ETSI TS 132 342 V16.0.0 (2020-08)	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 16.0.0 Release 16)
341	ETSI TS 132 346 V16.0.0 (2020-08)	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 16.0.0 Release 16)
342	ETSI TS 132 351 V16.0.0 (2020-08)	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 16.0.0 Release 16)
343	ETSI TS 132 352 V16.0.0 (2020-08)	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 16.0.0 Release 16)
344	ETSI TS 132 356 V16.0.0 (2020-08)	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 16.0.0 Release 16)
345	ETSI TS 132 361 V16.0.0 (2020-08)	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 16.0.0 Release 16)
346	ETSI TS 132 362 V16.0.0 (2020-08)	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 16.0.0 Release 16)
347	ETSI TS 132 366 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.366 version 16.0.0 Release 16)
348	ETSI TS 132 371 V16.0.0 (2020-08)	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 16.0.0 Release 16)
349	ETSI TS 132 372 V16.0.0 (2020-08)	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 16.0.0 Release 16)
350	ETSI TS 132 376 V16.0.0 (2020-08)	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 16.0.0 Release 16)
351	ETSI TS 132 381 V16.0.0 (2020-08)	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 16.0.0 Release 16)
352	ETSI TS 132 382 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.382 version 16.0.0 Release 16)
353	ETSI TS 132 386 V16.0.0 (2020-08)	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 16.0.0 Release 16)
354	ETSI TS 132 391 V16.0.0 (2020-08)	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 16.0.0 Release 16)
355	ETSI TS 132 392 V16.0.0 (2020-08)	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 16.0.0 Release 16)
356	ETSI TS 132 396 V16.0.0 (2020-08)	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 16.0.0 Release 16)
357	ETSI TS 132 401 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Concept and requirements (3GPP TS 32.401 version 16.0.0 Release 16)

358	ETSI TS 132 404 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;
359	ETSI TS 132 405 V16.0.0 (2020-08)	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 16.0.0 Release 16)
360	ETSI TS 132 406 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;
361	ETSI TS 132 407 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;
362	ETSI TS 132 408 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;
363	ETSI TS 132 409 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;
364	ETSI TS 132 410 V16.0.0 (2020-08)	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 16.0.0 Release 16)
365	ETSI TS 132 411 V16.0.0 (2020-08)	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 16.0.0 Release 16)
366	ETSI TS 132 412 V16.0.0 (2020-08)	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 16.0.0 Release 16)
367	ETSI TS 132 416 V16.0.0 (2020-08)	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 16.0.0 Release 16)
368	ETSI TS 132 426 V16.0.0 (2020-08)	LTE; Telecommunication management; Performance Management (PM); Performance measurements Evolved Packet Core (EPC) network (3GPP TS 32.426 version 16.0.0 Release 16)
369	ETSI TS 132 432 V16.0.0 (2020-08)	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 16.0.0 Release 16)
370	ETSI TS 132 435 V16.0.0 (2020-08)	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 16.0.0 Release 16)
371	ETSI TS 132 436 V16.0.0 (2020-08)	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 16.0.0 Release 16)
372	ETSI TS 132 441 V16.0.0 (2020-08)	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 16.0.0 Release 16)
373	ETSI TS 132 442 V16.0.0 (2020-08)	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 16.0.0 Release 16)
374	ETSI TS 132 446 V16.0.0 (2020-08)	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 16.0.0 Release 16)
375	ETSI TS 132 450 V16.0.0 (2020-08)	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 16.0.0 Release 16)

376	ETSI TS 132 452 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements Home Node B (HNB) Subsystem (HNS) (3GPP TS 32.452 version 16.0.0 Release 16)
377	ETSI TS 132 453 V16.0.0 (2020-08)	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 16.0.0 Release 16)
378	ETSI TS 132 454 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Key Performance Indicators (KPI) for the IP Multimedia Subsystem (IMS); Definitions (3GPP TS 32.454 version 16.0.0 Release 16)
379	ETSI TS 132 455 V16.0.0 (2020-08)	LTE; Telecommunication management; Key Performance Indicators (KPI) for the Evolved Packet Core (EPC); Definitions (3GPP TS 32.455 version 16.0.0 Release 16)
380	ETSI TS 132 500 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-Organizing Networks (SON); Concepts and requirements (3GPP TS 32.500 version 16.0.0 Release 16)
381	ETSI TS 132 501 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-configuration of network elements; Concepts and requirements (3GPP TS 32.501 version 16.0.0 Release 16)
382	ETSI TS 132 502 V16.0.0 (2020-08)	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 16.0.0 Release 16)
383	ETSI TS 132 506 V16.0.0 (2020-08)	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 16.0.0 Release 16)
384	ETSI TS 132 508 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Procedure flows for multi-vendor plug-and-play eNode B connection to the network (3GPP TS 32.508 version 16.0.0 Release 16)
385	ETSI TS 132 509 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Data formats for multi-vendor plug and play eNode B connection to the network (3GPP TS 32.509 version 16.0.0 Release 16)
386	ETSI TS 132 531 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Software management (SwM); Concepts and Integration Reference Point (IRP) Requirements (3GPP TS 32.531 version 16.0.0 Release 16)
387	ETSI TS 132 532 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Software management (SwM); Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.532 version 16.0.0 Release 16)
388	ETSI TS 132 536 V16.0.0 (2020-08)	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 16.0.0 Release 16)
389	ETSI TS 132 541 V16.0.0 (2020-08)	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 16.0.0 Release 16)
390	ETSI TS 132 551 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Energy Saving Management (ESM); Concepts and requirements (3GPP TS 32.551 version 16.0.0 Release 16)
391	ETSI TS 132 571 V16.0.0 (2020-08)	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 16.0.0 Release 16)
392	ETSI TS 132 572 V16.0.0 (2020-08)	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 16.0.0 Release 16)
393	ETSI TS 132 581 V16.0.0 (2020-08)	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 16.0.0 Release 16)

394	ETSI TS 132 582 V16.0.0 (2020-08)	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 16.0.0 Release 16)
395	ETSI TS 132 583 V16.0.0 (2020-08)	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 16.0.0 Release 16)
396	ETSI TS 132 584 V16.0.0 (2020-08)	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 16.0.0 Release 16)
397	ETSI TS 132 591 V16.0.0 (2020-08)	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 16.0.0 Release 16)
398	ETSI TS 132 592 V16.0.0 (2020-08)	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 16.0.0 Release 16)
399	ETSI TS 132 593 V16.0.0 (2020-08)	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 16.0.0 Release 16)
400	ETSI TS 132 594 V16.0.0 (2020-08)	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 16.0.0 Release 16)
401	ETSI TS 132 600 V16.0.0 (2020-08)	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 16.0.0 Release 16)
402	ETSI TS 132 601 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP);
403	ETSI TS 132 602 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP);
404	ETSI TS 132 606 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP);
405	ETSI TS 132 611 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Requirements (3GPP TS 32.611 version 16.0.0 Release 16)
406	ETSI TS 132 612 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.612 version 16.0.0 Release 16)
407	ETSI TS 132 616 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP);
408	ETSI TS 132 661 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Kernel CM Requirements (3GPP TS 32.661 version 16.0.0 Release 16)
409	ETSI TS 132 662 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Kernel CM Information Service (IS) (3GPP TS 32.662 version 16.0.0 Release 16)
410	ETSI TS 133 102 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); 3G security; Security architecture (3GPP TS 33.102 version 16.0.0 Release 16)

411	ETSI TS 133 105 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Cryptographic algorithm requirements (3GPP TS 33.105 version 16.0.0 Release 16)
412	ETSI TS 133 110 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Key establishment between a Universal Integrated Circuit Card (UICC) and a terminal (3GPP TS 33.110 version 16.0.0 Release 16)
413	ETSI TS 133 116 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Security Assurance Specification (SCAS) for the MME network product class (3GPP TS 33.116 version 16.0.0 Release 16)
414	ETSI TS 133 117 V15.5.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Catalogue of general security assurance requirements (3GPP TS 33.117 version 15.5.0 Release 15)
415	ETSI TS 133 117 V16.5.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Catalogue of general security assurance requirements (3GPP TS 33.117 version 16.5.0 Release 16)
416	ETSI TS 133 122 V16.3.0 (2020-08)	LTE; 5G; Security aspects of Common API Framework (CAPIF) for 3GPP northbound APIs (3GPP TS 33.122 version 16.3.0 Release 16)
417	ETSI TS 133 141 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Presence service; Security (3GPP TS 33.141 version 16.0.0 Release 16)
418	ETSI TS 133 179 V13.11.0 (2020-08)	LTE; Security of Mission Critical Push To Talk (MCPTT) over LTE (3GPP TS 33.179 version 13.11.0 Release 13)
419	ETSI TS 133 180 V15.8.0 (2020-08)	LTE; Security of the mission critical service (3GPP TS 33.180 version 15.8.0 Release 15)
420	ETSI TS 133 180 V16.4.0 (2020-08)	LTE; Security of the mission critical service (3GPP TS 33.180 version 16.4.0 Release 16)
421	ETSI TS 133 187 V16.0.0 (2020-08)	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 16.0.0 Release 16)
422	ETSI TS 133 203 V15.2.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3G security; Access security for IP-based services (3GPP TS 33.203 version 15.2.0 Release 15)
423	ETSI TS 133 203 V14.2.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3G security; Access security for IP-based services (3GPP TS 33.203 version 14.2.0 Release 14)
424	ETSI TS 133 203 V13.3.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3G security; Access security for IP-based services (3GPP TS 33.203 version 13.3.0 Release 13)
425	ETSI TS 133 204 V16.0.0 (2020-08)	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 16.0.0 Release 16)
426	ETSI TS 133 210 V16.4.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Domain Security (NDS); IP network layer security (3GPP TS 33.210 version 16.4.0 Release 16)
427	ETSI TS 133 216 V16.4.0 (2020-08)	LTE; Security Assurance Specification (SCAS) for the evolved Node B (eNB) network product class (3GPP TS 33.216 version 16.4.0 Release 16)
428	ETSI TS 133 220 V16.1.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) (3GPP TS 33.220 version 16.1.0 Release 16)
429	ETSI TS 133 221 V16.0.0 (2020-08)	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 16.0.0 Release 16)
430	ETSI TS 133 222 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Generic Authentication Architecture (GAA); Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS) (3GPP TS 33.222 version 16.0.0 Release 16)
431	ETSI TS 133 234 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 3G security; Wireless Local Area Network (WLAN) interworking security (3GPP TS 33.234 version 16.0.0 Release 16)
432	ETSI TS 133 246 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS) (3GPP TS 33.246 version 16.0.0 Release 16)
433	ETSI TS 133 250 V16.0.0 (2020-08)	LTE; Security assurance specification for the PGW network product class (3GPP TS 33.250 version 16.0.0 Release 16)

434	ETSI TS 133 259 V16.0.0 (2020-08)	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 16.0.0 Release 16)
435	ETSI TS 133 303 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Proximity-based Services (ProSe); Security aspects (3GPP TS 33.303 version 16.0.0 Release 16)
436	ETSI TS 133 310 V16.4.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Domain Security (NDS); Authentication Framework (AF) (3GPP TS 33.310 version 16.4.0 Release 16)
437	ETSI TS 133 320 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Security of Home Node B (HNB) / Home evolved Node B (HeNB) (3GPP TS 33.320 version 16.0.0 Release 16)
438	ETSI TS 133 328 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) media plane security (3GPP TS 33.328 version 16.0.0 Release 16)
439	ETSI TS 133 401 V16.3.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3GPP System Architecture Evolution (SAE); Security architecture (3GPP TS 33.401 version 16.3.0 Release 16)
440	ETSI TS 133 402 V16.0.0 (2020-08)	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 16.0.0 Release 16)
441	ETSI TS 133 501 V16.3.0 (2020-08)	5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 16.3.0 Release 16)
442	ETSI TS 133 501 V15.9.0 (2020-08)	5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 15.9.0 Release 15)
443	ETSI TS 133 511 V16.4.0 (2020-08)	5G; Security Assurance Specification (SCAS) for the next generation Node B (gNodeB) network product class (3GPP TS 33.511 version 16.4.0 Release 16)
444	ETSI TS 133 512 V16.3.0 (2020-08)	5G; 5G Security Assurance Specification (SCAS); Access and Mobility management Function (AMF) (3GPP TS 33.512 version 16.3.0 Release 16)
445	ETSI TS 133 514 V16.2.0 (2020-08)	5G; 5G Security Assurance Specification (SCAS) for the Unified Data Management (UDM) network product class (3GPP TS 33.514 version 16.2.0 Release 16)
446	ETSI TS 133 515 V16.2.0 (2020-08)	5G; 5G Security Assurance Specification (SCAS) for the Session Management Function (SMF) network product class (3GPP TS 33.515 version 16.2.0 Release 16)
447	ETSI TS 133 518 V16.2.0 (2020-08)	5G; 5G Security Assurance Specification (SCAS) for the Network Repository Function (NRF) network product class (3GPP TS 33.518 version 16.2.0 Release 16)
448	ETSI TR 133 905 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Recommendations for Trusted Open Platforms (3GPP TR 33.905 version 16.0.0 Release 16)
449	ETSI TR 133 916 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Security Assurance Methodology (SCAS) for 3GPP network products (3GPP TR 33.916 version 16.0.0 Release 16)
450	ETSI TR 133 919 V16.0.0 (2020-08)	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 16.0.0 Release 16)
451	ETSI TR 133 924 V16.0.0 (2020-08)	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 16.0.0 Release 16)
452	ETSI TR 133 937 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Study of mechanisms for Protection against Unsolicited Communication for IMS (PUCI) (3GPP TR 33.937 version 16.0.0 Release 16)
453	ETSI TR 133 969 V16.0.0 (2020-08)	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 16.0.0 Release 16)
454	ETSI TR 133 980 V16.0.0 (2020-08)	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 16.0.0 Release 16)
455	ETSI TR 133 995 V16.0.0 (2020-08)	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 16.0.0 Release 16)

456	ETSI TS 134 229-5 V15.0.0 (2020-08)	5G; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 5: Protocol conformance specification using 5G System (5GS) (3GPP TS 34.229-5 version 15.0.0 Release 15)
457	ETSI TS 135 201 V16.0.0 (2020-08)	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 16.0.0 Release 16)
458	ETSI TS 135 202 V16.0.0 (2020-08)	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 16.0.0 Release 16)
459	ETSI TS 135 203 V16.0.0 (2020-08)	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 16.0.0 Release 16)
460	ETSI TS 135 204 V16.0.0 (2020-08)	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 16.0.0 Release 16)
461	ETSI TS 135 215 V16.0.0 (2020-08)	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 16.0.0 Release 16)
462	ETSI TS 135 216 V16.0.0 (2020-08)	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 16.0.0 Release 16)
463	ETSI TS 135 217 V16.0.0 (2020-08)	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 16.0.0 Release 16)
464	ETSI TS 135 218 V16.0.0 (2020-08)	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 16.0.0 Release 16)
465	ETSI TS 135 221 V16.0.0 (2020-08)	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 16.0.0 Release 16)
466	ETSI TS 135 222 V16.0.0 (2020-08)	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 16.0.0 Release 16)
467	ETSI TS 135 223 V16.0.0 (2020-08)	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 16.0.0 Release 16)
468	ETSI TS 135 231 V16.0.0 (2020-08)	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 16.0.0 Release 16)
469	ETSI TS 135 232 V16.0.0 (2020-08)	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: Implementors' test data (3GPP TS 35.232 version 16.0.0 Release 16)
470	ETSI TS 135 233 V16.0.0 (2020-08)	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 16.0.0 Release 16)
471	ETSI TR 135 909 V16.0.0 (2020-08)	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 16.0.0 Release 16)
472	ETSI TR 135 924 V16.0.0 (2020-08)	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 16.0.0 Release 16)
473	ETSI TR 135 934 V16.0.0 (2020-08)	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 16.0.0 Release 16)

474	ETSI TR 135 935 V16.0.0 (2020-08)	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 16.0.0 Release 16)
475	ETSI TS 136 101 V16.6.0 (2020-08)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 16.6.0 Release 16)
476	ETSI TS 136 101 V14.15.0 (2020-08)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 14.15.0 Release 14)
477	ETSI TS 136 101 V15.11.0 (2020-08)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 15.11.0 Release 15)
478	ETSI TS 136 101 V12.25.0 (2020-08)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 12.25.0 Release 12)
479	ETSI TS 136 133 V13.19.0 (2020-08)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for support of radio resource management (3GPP TS 36.133 version 13.19.0 Release 13)
480	ETSI TS 138 133 V16.4.0 (2020-08)	5G; NR; Requirements for support of radio resource management (3GPP TS 38.133 version 16.4.0 Release 16)
481	ETSI TS 141 101 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Technical Specifications and Technical Reports for a GERAN-based 3GPP system (3GPP TS 41.101 version 16.0.0 Release 16)
482	ETSI GS NFV-SOL 006 V3.3.1 (2020-08)	Network Functions Virtualisation (NFV) Release 3; Protocols and Data Models; NFV descriptors based on YANG Specification
483	ETSI GS NFV-SOL 006 V2.8.1 (2020-08)	Network Functions Virtualisation (NFV) Release 2; Protocols and Data Models; NFV Descriptors based on YANG Specification
484	ETSI GS NFV-SOL 007 V3.3.1 (2020-08)	Network Functions Virtualisation (NFV) Release 3; Protocols and Data Models; Network Service Descriptor File Structure Specification
485	ETSI GS NFV-SOL 007 V2.8.1 (2020-08)	Network Functions Virtualisation (NFV) Release 2; Protocols and Data Models; Network Service Descriptor File Structure Specification
486	ETSI GR NFV-EVE 017 V1.1.1 (2020-08)	Network Functions Virtualisation (NFV); Management and Orchestration; Report on the support of real-time/ultra-low latency aspects in NFV related to service and network handling
487	ETSI GS NFV-IFA 033 V4.1.1 (2020-08)	Network Functions Virtualisation (NFV) Release 4; Management and Orchestration; Sc-Or, Sc-Vnm, Sc-Vi reference points - Interface and Information Model Specification
488	ETSI TS 101 756 V2.4.1 (2020-08)	Digital Audio Broadcasting (DAB); Registered Tables
489	ETSI TR 103 459 V1.2.1 (2020-08)	Rail Telecommunications (RT); Future Rail Mobile Communication System (FRMCS); Study on system architecture
490	ETSI TS 103 461 V1.2.1 (2020-08)	Digital Audio Broadcasting (DAB); Domestic and in-vehicle digital radio receivers; Minimum requirements and Test specifications for technologies and products
491	ETSI TS 122 001 V16.0.1 (2020-08)	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 16.0.1 Release 16)
492	ETSI TS 122 002 V16.0.0 (2020-08)	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 16.0.0 Release 16)
493	ETSI TS 122 003 V16.0.0 (2020-08)	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 16.0.0 Release 16)
494	ETSI TS 122 004 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; General on supplementary services (3GPP TS 22.004 version 16.0.0 Release 16)
495	ETSI TS 122 016 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; International Mobile station Equipment Identities (IMEI) (3GPP TS 22.016 version 16.0.0 Release 16)
496	ETSI TS 122 022 V16.0.0 (2020-08)	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 16.0.0 Release 16)
497	ETSI TS 122 024 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Description of Charge Advice Information (CAI) (3GPP TS 22.024 version 16.0.0 Release 16)

498	ETSI TS 122 030 V16.0.0 (2020-08)	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 16.0.0 Release 16)
499	ETSI TS 122 034 V16.0.0 (2020-08)	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 16.0.0 Release 16)
500	ETSI TS 122 038 V16.0.0 (2020-08)	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 16.0.0 Release 16)
501	ETSI TS 122 041 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Operator Determined Barring (ODB) (3GPP TS 22.041 version 16.0.0 Release 16)
502	ETSI TS 122 042 V16.0.0 (2020-08)	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 16.0.0 Release 16)
503	ETSI TS 122 053 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Tandem Free Operation (TFO); Service description; Stage 1 (3GPP TS 22.053 version 16.0.0 Release 16)
504	ETSI TS 122 057 V16.0.0 (2020-08)	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 16.0.0 Release 16)
505	ETSI TS 122 060 V16.0.0 (2020-08)	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 16.0.0 Release 16)
506	ETSI TS 122 067 V16.0.0 (2020-08)	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 16.0.0 Release 16)
507	ETSI TS 122 071 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Location Services (LCS); Service description;
508	ETSI TS 122 072 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Deflection (CD) service description; Stage 1 (3GPP TS 22.072 version 16.0.0 Release 16)
509	ETSI TS 122 076 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Noise suppression for the AMR codec; Service description; Stage 1 (3GPP TS 22.076 version 16.0.0 Release 16)
510	ETSI TS 122 078 V16.0.0 (2020-08)	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 16.0.0 Release 16)
511	ETSI TS 122 079 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Support of Optimal Routing (SOR); Service definition; Stage 1 (3GPP TS 22.079 version 16.0.0 Release 16)
512	ETSI TS 122 081 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Line Identification supplementary services; Stage 1 (3GPP TS 22.081 version 16.0.0 Release 16)
513	ETSI TS 122 082 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) Supplementary Services; Stage 1 (3GPP TS 22.082 version 16.0.0 Release 16)
514	ETSI TS 122 083 V16.0.0 (2020-08)	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 16.0.0 Release 16)
515	ETSI TS 122 084 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); MultiParty (MPTY) supplementary service; Stage 1 (3GPP TS 22.084 version 16.0.0 Release 16)
516	ETSI TS 122 085 V16.0.0 (2020-08)	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 16.0.0 Release 16)

517	ETSI TS 122 086 V16.0.0 (2020-08)	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 16.0.0 Release 16)
518	ETSI TS 122 087 V16.0.0 (2020-08)	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 16.0.0 Release 16)
519	ETSI TS 122 088 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Call Barring (CB) supplementary services; Stage 1 (3GPP TS 22.088 version 16.0.0 Release 16)
520	ETSI TS 122 090 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Unstructured Supplementary Service Data (USSD); Stage 1 (3GPP TS 22.090 version 16.0.0 Release 16)
521	ETSI TS 122 091 V16.0.0 (2020-08)	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 16.0.0 Release 16)
522	ETSI TS 122 093 V16.0.0 (2020-08)	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 16.0.0 Release 16)
523	ETSI TS 122 094 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Follow Me service description; Stage 1 (3GPP TS 22.094 version 16.0.0 Release 16)
524	ETSI TS 122 096 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Name identification supplementary services; Stage 1 (3GPP TS 22.096 version 16.0.0 Release 16)
525	ETSI TS 122 097 V16.0.0 (2020-08)	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 16.0.0 Release 16)
526	ETSI TS 122 105 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Services and service capabilities (3GPP TS 22.105 version 16.0.0 Release 16)
527	ETSI TS 122 129 V16.0.0 (2020-08)	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 16.0.0 Release 16)
528	ETSI TS 122 135 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Multicall; Service description; Stage 1 (3GPP TS 22.135 version 16.0.0 Release 16)
529	ETSI TS 122 140 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Messaging Service (MMS); Stage 1 (3GPP TS 22.140 version 16.0.0 Release 16)
530	ETSI TS 122 141 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Presence service; Stage 1 (3GPP TS 22.141 version 16.0.0 Release 16)
531	ETSI TS 122 142 V16.0.0 (2020-08)	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 16.0.0 Release 16)
532	ETSI TS 122 146 V16.0.0 (2020-08)	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 16.0.0 Release 16)
533	ETSI TS 122 174 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Push Service; Service aspects; Stage 1 (3GPP TS 22.174 version 16.0.0 Release 16)
534	ETSI TS 122 182 V16.0.0 (2020-08)	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 16.0.0 Release 16)
535	ETSI TS 122 183 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Customized Ringing Signal (CRS) requirements; Stage 1 (3GPP TS 22.183 version 16.0.0 Release 16)
536	ETSI TS 122 185 V16.0.0 (2020-08)	LTE; Service requirements for V2X services (3GPP TS 22.185 version 16.0.0 Release 16)
537	ETSI TS 122 220 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Service requirements for Home Node B (HNB) and Home eNode B (HeNB) (3GPP TS 22.220 version 16.0.0 Release 16)
538	ETSI TS 122 226 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Global Text Telephony (GTT); Stage 1 (3GPP TS 22.226 version 16.0.0 Release 16)

539	ETSI TS 122 233 V16.0.0 (2020-08)	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 16.0.0 Release 16)
540	ETSI TS 122 240 V16.0.0 (2020-08)	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 16.0.0 Release 16)
541	ETSI TS 122 242 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Digital Rights Management (DRM); Stage 1 (3GPP TS 22.242 version 16.0.0 Release 16)
542	ETSI TS 122 243 V16.0.0 (2020-08)	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 16.0.0 Release 16)
543	ETSI TS 122 246 V16.0.0 (2020-08)	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 16.0.0 Release 16)
544	ETSI TS 122 250 V16.0.0 (2020-08)	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 16.0.0 Release 16)
545	ETSI TS 122 259 V16.0.0 (2020-08)	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 16.0.0 Release 16)
546	ETSI TS 122 279 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Combined Circuit Switched (CS) and IP Multimedia Subsystem (IMS) sessions; Stage 1 (3GPP TS 22.279 version 16.0.0 Release 16)
547	ETSI TS 122 340 V16.0.0 (2020-08)	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 16.0.0 Release 16)
548	ETSI TS 122 346 V16.0.0 (2020-08)	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 16.0.0 Release 16)
549	ETSI TS 122 368 V16.0.0 (2020-08)	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 16.0.0 Release 16)
550	ETSI TR 122 903 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study on Videotelephony teleservice (3GPP TR 22.903 version 16.0.0 Release 16)
551	ETSI TR 122 906 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Study on IMS based peer-to-peer content distribution services (3GPP TR 22.906 version 16.0.0 Release 16)
552	ETSI TR 122 908 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Study on Paging Permission with Access Control (PPAC) (3GPP TR 22.908 version 16.0.0 Release 16)
553	ETSI TR 122 912 V16.0.0 (2020-08)	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 16.0.0 Release 16)
554	ETSI TR 122 936 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multi-system terminals (3GPP TR 22.936 version 16.0.0 Release 16)
555	ETSI TR 122 940 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) messaging (3GPP TR 22.940 version 16.0.0 Release 16)
556	ETSI TR 122 942 V16.0.0 (2020-08)	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 16.0.0 Release 16)
557	ETSI TR 122 944 V16.0.0 (2020-08)	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 16.0.0 Release 16)
558	ETSI TR 122 947 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Study on Personal Broadcast Service (PBS) (3GPP TR 22.947 version 16.0.0 Release 16)
559	ETSI TR 122 948 V16.0.0 (2020-08)	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 16.0.0 Release 16)

560	ETSI TR 122 949 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study on a generalized privacy capability (3GPP TR 22.949 version 16.0.0 Release 16)
561	ETSI TR 122 950 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Priority service feasibility study (3GPP TR 22.950 version 16.0.0 Release 16)
562	ETSI TR 122 951 V16.0.0 (2020-08)	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 16.0.0 Release 16)
563	ETSI TR 122 952 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Priority service guide (3GPP TR 22.952 version 16.0.0 Release 16)
564	ETSI TR 122 967 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Transferring of emergency call data (3GPP TR 22.967 version 16.0.0 Release 16)
565	ETSI TR 122 968 V16.0.0 (2020-08)	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 16.0.0 Release 16)
566	ETSI TR 122 973 V16.0.0 (2020-08)	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 16.0.0 Release 16)
567	ETSI TR 122 977 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Feasibility study for speech-enabled services (3GPP TR 22.977 version 16.0.0 Release 16)
568	ETSI TR 122 978 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; All-IP network (AIPN) feasibility study (3GPP TR 22.978 version 16.0.0 Release 16)
569	ETSI TR 122 979 V16.0.0 (2020-08)	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 16.0.0 Release 16)
570	ETSI TR 122 980 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Network composition feasibility study (3GPP TR 22.980 version 16.0.0 Release 16)
571	ETSI TR 122 982 V16.0.0 (2020-08)	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 16.0.0 Release 16)
572	ETSI TR 122 983 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Services alignment and migration (3GPP TR 22.983 version 16.0.0 Release 16)
573	ETSI TR 122 985 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Service requirements for the User Data Convergence (UDC) (3GPP TR 22.985 version 16.0.0 Release 16)
574	ETSI TR 122 986 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Study on Service Specific Access Control (3GPP TR 22.986 version 16.0.0 Release 16)
575	ETSI TR 122 987 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Study of haptic services requirements (3GPP TR 22.987 version 16.0.0 Release 16)
576	ETSI TR 122 988 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Study on alternatives to E.164 for Machine-Type Communications (MTC) (3GPP TR 22.988 version 16.0.0 Release 16)
577	ETSI TS 123 053 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Tandem Free Operation (TFO); Service description; Stage 2 (3GPP TS 23.053 version 16.0.0 Release 16)
578	ETSI TS 124 571 V16.1.0 (2020-08)	5G; 5G System (5GS); Control plane Location Services (LCS) procedures; Stage 3 (3GPP TS 24.571 version 16.1.0 Release 16)
579	ETSI TS 125 102 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (TDD) (3GPP TS 25.102 version 16.0.0 Release 16)
580	ETSI TS 125 105 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Base Station (BS) radio transmission and reception (TDD) (3GPP TS 25.105 version 16.0.0 Release 16)
581	ETSI TS 125 106 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRA repeater radio transmission and reception (3GPP TS 25.106 version 16.0.0 Release 16)
582	ETSI TS 125 111 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Location Measurement Unit (LMU) performance specification; User Equipment (UE) positioning in UTRAN (3GPP TS 25.111 version 16.0.0 Release 16)
583	ETSI TS 125 113 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Base station (BS) and repeater electromagnetic compatibility (EMC) (3GPP TS 25.113 version 16.0.0 Release 16)

584	ETSI TS 125 116 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRA repeater radio transmission and reception (LCR TDD) (3GPP TS 25.116 version 16.0.0 Release 16)
585	ETSI TS 125 142 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Base Station (BS) conformance testing (TDD) (3GPP TS 25.142 version 16.0.0 Release 16)
586	ETSI TS 125 143 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRA repeater conformance testing (3GPP TS 25.143 version 16.0.0 Release 16)
587	ETSI TS 125 153 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRA repeater conformance testing (LCR TDD) (3GPP TS 25.153 version 16.0.0 Release 16)
588	ETSI TS 125 171 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD) (3GPP TS 25.171 version 16.0.0 Release 16)
589	ETSI TS 125 172 V16.0.0 (2020-08)	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 16.0.0 Release 16)
590	ETSI TS 125 173 V16.0.0 (2020-08)	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 16.0.0 Release 16)
591	ETSI TS 125 402 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Synchronisation in UTRAN Stage 2 (3GPP TS 25.402 version 16.0.0 Release 16)
592	ETSI TS 125 410 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface: General aspects and principles (3GPP TS 25.410 version 16.0.0 Release 16)
593	ETSI TS 125 411 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface layer 1 (3GPP TS 25.411 version 16.0.0 Release 16)
594	ETSI TS 125 412 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface signalling transport (3GPP TS 25.412 version 16.0.0 Release 16)
595	ETSI TS 125 414 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface data transport and transport signalling (3GPP TS 25.414 version 16.0.0 Release 16)
596	ETSI TS 125 415 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface user plane protocols (3GPP TS 25.415 version 16.0.0 Release 16)
597	ETSI TS 125 419 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP) (3GPP TS 25.419 version 16.0.0 Release 16)
598	ETSI TS 125 420 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface general aspects and principles (3GPP TS 25.420 version 16.0.0 Release 16)
599	ETSI TS 125 421 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface layer 1 (3GPP TS 25.421 version 16.0.0 Release 16)
600	ETSI TS 125 422 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface signalling transport (3GPP TS 25.422 version 16.0.0 Release 16)
601	ETSI TS 125 423 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling (3GPP TS 25.423 version 16.0.0 Release 16)
602	ETSI TS 125 424 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface data transport & transport signalling for Common Transport Channel data streams (3GPP TS 25.424 version 16.0.0 Release 16)
603	ETSI TS 125 425 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iur interface user plane protocols for Common Transport Channel data streams (3GPP TS 25.425 version 16.0.0 Release 16)
604	ETSI TS 125 426 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams (3GPP TS 25.426 version 16.0.0 Release 16)
605	ETSI TS 125 427 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iub/Iur interface user plane protocol for DCH data streams (3GPP TS 25.427 version 16.0.0 Release 16)
606	ETSI TS 125 430 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iub Interface: general aspects and principles (3GPP TS 25.430 version 16.0.0 Release 16)
607	ETSI TS 125 431 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface Layer 1 (3GPP TS 25.431 version 16.0.0 Release 16)
608	ETSI TS 125 432 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface: signalling transport (3GPP TS 25.432 version 16.0.0 Release 16)
609	ETSI TS 125 434 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface data transport and transport signalling for Common Transport Channel data streams (3GPP TS 25.434 version 16.0.0 Release 16)
610	ETSI TS 125 435 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface user plane protocols for Common Transport Channel data streams (3GPP TS 25.435 version 16.0.0 Release 16)

611	ETSI TS 125 442 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN implementation-specific O&M transport (3GPP TS 25.442 version 16.0.0 Release 16)
612	ETSI TS 125 444 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); luh data transport (3GPP TS 25.444 version 16.0.0 Release 16)
613	ETSI TS 125 446 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); MBMS synchronisation protocol (SYNC) (3GPP TS 25.446 version 16.0.0 Release 16)
614	ETSI TS 125 450 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN lupc interface general aspects and principles (3GPP TS 25.450 version 16.0.0 Release 16)
615	ETSI TS 125 451 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN lupc interface layer 1 (3GPP TS 25.451 version 16.0.0 Release 16)
616	ETSI TS 125 452 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN lupc interface: signalling transport (3GPP TS 25.452 version 16.0.0 Release 16)
617	ETSI TS 125 453 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN lupc interface Positioning Calculation Application Part (PCAP) signalling (3GPP TS 25.453 version 16.0.0 Release 16)
618	ETSI TS 125 460 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN luant interface: General aspects and principles (3GPP TS 25.460 version 16.0.0 Release 16)
619	ETSI TS 125 461 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN luant interface: Layer 1 (3GPP TS 25.461 version 16.0.0 Release 16)
620	ETSI TS 125 462 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN luant interface: Signalling transport (3GPP TS 25.462 version 16.0.0 Release 16)
621	ETSI TS 125 466 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN luant interface: Application part (3GPP TS 25.466 version 16.0.0 Release 16)
622	ETSI TS 125 467 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN architecture for 3G Home Node B (HNB); Stage 2 (3GPP TS 25.467 version 16.0.0 Release 16)
623	ETSI TS 125 468 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN luh Interface RANAP User Adaption (RUA) signalling (3GPP TS 25.468 version 16.0.0 Release 16)
624	ETSI TS 125 469 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN luh interface Home Node B (HNB) Application Part (HNBAP) signalling (3GPP TS 25.469 version 16.0.0 Release 16)
625	ETSI TS 125 470 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN luh Interface PCAP User Adaption (PUA) signalling (3GPP TS 25.470 version 16.0.0 Release 16)
626	ETSI TS 125 471 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN lurh interface Radio Network Subsystem Application Part (RNSAP) User Adaption (RNA) signalling (3GPP TS 25.471 version 16.0.0 Release 16)
627	ETSI TS 125 484 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Automatic Neighbour Relation (ANR) for UTRAN; Stage 2 (3GPP TS 25.484 version 16.0.0 Release 16)
628	ETSI TR 125 906 V16.0.0 (2020-08)	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 16.0.0 Release 16)
629	ETSI TR 125 914 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Measurements of radio performances for UMTS terminals in speech mode (3GPP TR 25.914 version 16.0.0 Release 16)
630	ETSI TR 125 931 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); UTRAN functions, examples on signalling procedures (3GPP TR 25.931 version 16.0.0 Release 16)
631	ETSI TR 125 942 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Radio Frequency (RF) system scenarios (3GPP TR 25.942 version 16.0.0 Release 16)
632	ETSI TR 125 943 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Deployment aspects (3GPP TR 25.943 version 16.0.0 Release 16)
633	ETSI TR 125 951 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); FDD Base Station (BS) classification (3GPP TR 25.951 version 16.0.0 Release 16)
634	ETSI TR 125 956 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Universal Terrestrial Radio Access (UTRA) repeater planning guidelines and system analysis (3GPP TR 25.956 version 16.0.0 Release 16)
635	ETSI TR 125 963 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Feasibility study on interference cancellation for UTRA FDD User Equipment (UE) (3GPP TR 25.963 version 16.0.0 Release 16)
636	ETSI TR 125 967 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Home Node B (HNB) Radio Frequency (RF) requirements (FDD) (3GPP TR 25.967 version 16.0.0 Release 16)
637	ETSI TR 125 968 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); 1.28 Mcps TDD Home NodeB Radio Frequency (RF) (3GPP TR 25.968 version 16.0.0 Release 16)

638	ETSI TS 126 071 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mandatory speech CODEC speech processing functions; AMR speech Codec; General description (3GPP TS 26.071 version 16.0.0 Release 16)
639	ETSI TS 126 073 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; ANSI-C code for the Adaptive Multi Rate (AMR) speech codec (3GPP TS 26.073 version 16.0.0 Release 16)
640	ETSI TS 126 074 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec test sequences (3GPP TS 26.074 version 16.0.0 Release 16)
641	ETSI TS 126 077 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Minimum performance requirements for Noise Suppressor; Application to the Adaptive Multi-Rate (AMR) speech encoder (3GPP TS 26.077 version 16.0.0 Release 16)
642	ETSI TS 126 090 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mandatory Speech Codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Transcoding functions (3GPP TS 26.090 version 16.0.0 Release 16)
643	ETSI TS 126 091 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mandatory Speech Codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Error concealment of lost frames (3GPP TS 26.091 version 16.0.0 Release 16)
644	ETSI TS 126 092 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Comfort noise aspects (3GPP TS 26.092 version 16.0.0 Release 16)
645	ETSI TS 126 094 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Voice Activity Detector (VAD) (3GPP TS 26.094 version 16.0.0 Release 16)
646	ETSI TS 126 101 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure (3GPP TS 26.101 version 16.0.0 Release 16)
647	ETSI TS 126 102 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Mandatory speech codec; Adaptive Multi-Rate (AMR) speech codec; Interface to lu, Uu and Nb (3GPP TS 26.102 version 16.0.0 Release 16)
648	ETSI TS 126 110 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Codec for circuit switched multimedia telephony service; General description (3GPP TS 26.110 version 16.0.0 Release 16)
649	ETSI TS 126 111 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Codec for circuit switched multimedia telephony service; Modifications to H.324 (3GPP TS 26.111 version 16.0.0 Release 16)
650	ETSI TS 126 140 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Messaging Service (MMS); Media formats and codecs (3GPP TS 26.140 version 16.0.0 Release 16)
651	ETSI TS 126 141 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs (3GPP TS 26.141 version 16.0.0 Release 16)
652	ETSI TS 126 142 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Dynamic and Interactive Multimedia Scenes (DIMS) (3GPP TS 26.142 version 16.0.0 Release 16)
653	ETSI TS 126 150 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Syndicated Feed Reception (SFR) within 3GPP environments; Protocols and codecs (3GPP TS 26.150 version 16.0.0 Release 16)
654	ETSI TS 126 171 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; General description (3GPP TS 26.171 version 16.0.0 Release 16)
655	ETSI TS 126 173 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-WB) speech codec (3GPP TS 26.173 version 16.0.0 Release 16)

656	ETSI TS 126 174 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec test sequences (3GPP TS 26.174 version 16.0.0 Release 16)
657	ETSI TS 126 177 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); Speech Enabled Services (SES); Distributed Speech Recognition (DSR) extended advanced front-end test sequences (3GPP TS 26.177 version 16.0.0 Release 16)
658	ETSI TS 126 190 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Transcoding functions (3GPP TS 26.190 version 16.0.0 Release 16)
659	ETSI TS 126 191 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Error concealment of erroneous or lost frames (3GPP TS 26.191 version 16.0.0 Release 16)
660	ETSI TS 126 192 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Comfort noise aspects (3GPP TS 26.192 version 16.0.0 Release 16)
661	ETSI TS 126 193 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Source controlled rate operation (3GPP TS 26.193 version 16.0.0 Release 16)
662	ETSI TS 126 194 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Voice Activity Detector (VAD) (3GPP TS 26.194 version 16.0.0 Release 16)
663	ETSI TS 126 201 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Frame structure (3GPP TS 26.201 version 16.0.0 Release 16)
664	ETSI TS 126 202 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Interface to lu, Uu and Nb (3GPP TS 26.202 version 16.0.0 Release 16)
665	ETSI TS 126 226 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Cellular text telephone modem; General description (3GPP TS 26.226 version 16.0.0 Release 16)
666	ETSI TS 126 230 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Cellular text telephone modem; Transmitter bit exact C-code (3GPP TS 26.230 version 16.0.0 Release 16)
667	ETSI TS 126 231 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Cellular text telephone modem; Minimum performance requirements (3GPP TS 26.231 version 16.0.0 Release 16)
668	ETSI TS 126 237 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) based Packet Switch Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) User Service; Protocols (3GPP TS 26.237 version 16.0.0 Release 16)
669	ETSI TS 126 243 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; ANSI-C code for the fixed-point distributed speech recognition extended advanced front-end (3GPP TS 26.243 version 16.0.0 Release 16)
670	ETSI TS 126 244 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP) (3GPP TS 26.244 version 16.0.0 Release 16)
671	ETSI TS 126 246 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile (3GPP TS 26.246 version 16.0.0 Release 16)
672	ETSI TS 126 259 V16.0.0 (2020-08)	5G; Subjective test methodologies for the evaluation of immersive audio systems (3GPP TS 26.259 version 16.0.0 Release 16)
673	ETSI TS 126 260 V16.0.0 (2020-08)	5G; Objective test methodologies for the evaluation of immersive audio systems (3GPP TS 26.260 version 16.0.0 Release 16)
674	ETSI TS 126 267 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution; General description (3GPP TS 26.267 version 16.0.0 Release 16)

675	ETSI TS 126 268 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution; ANSI-C reference code (3GPP TS 26.268 version 16.0.0 Release 16)
676	ETSI TS 126 269 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution; Conformance testing (3GPP TS 26.269 version 16.0.0 Release 16)
677	ETSI TS 126 273 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; ANSI-C code for the fixed-point Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec (3GPP TS 26.273 version 16.0.0 Release 16)
678	ETSI TS 126 274 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec; Conformance testing (3GPP TS 26.274 version 16.0.0 Release 16)
679	ETSI TS 126 281 V16.0.0 (2020-08)	LTE; Mission Critical Video (MCVideo); Codecs and media handling (3GPP TS 26.281 version 16.0.0 Release 16)
680	ETSI TS 126 290 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions (3GPP TS 26.290 version 16.0.0 Release 16)
681	ETSI TS 126 304 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Floating-point ANSI-C code (3GPP TS 26.304 version 16.0.0 Release 16)
682	ETSI TS 126 307 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Presentation layer for 3GPP services (3GPP TS 26.307 version 16.0.0 Release 16)
683	ETSI TS 126 401 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description (3GPP TS 26.401 version 16.0.0 Release 16)
684	ETSI TS 126 402 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools (3GPP TS 26.402 version 16.0.0 Release 16)
685	ETSI TS 126 403 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification;
686	ETSI TS 126 404 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; General audio codec audio processing functions; Enhanced aacPlus general audio codec; Enhanced aacPlus encoder Spectral Band Replication (SBR) part (3GPP TS 26.404 version 16.0.0 Release 16)
687	ETSI TS 126 406 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; General audio codec audio processing functions; Enhanced aacPlus general audio codec; Conformance testing (3GPP TS 26.406 version 16.0.0 Release 16)
688	ETSI TS 126 410 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; General audio codec audio processing functions; Enhanced aacPlus general audio codec; Floating-point ANSI-C code (3GPP TS 26.410 version 16.0.0 Release 16)
689	ETSI TS 126 411 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; General audio codec audio processing functions; Enhanced aacPlus general audio codec; Fixed-point ANSI-C code (3GPP TS 26.411 version 16.0.0 Release 16)
690	ETSI TS 126 412 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Source code for 3GP file format (3GPP TS 26.412 version 16.0.0 Release 16)
691	ETSI TS 126 441 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); General overview (3GPP TS 26.441 version 16.0.0 Release 16)
692	ETSI TS 126 442 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); ANSI C code (fixed-point) (3GPP TS 26.442 version 16.0.0 Release 16)
693	ETSI TS 126 451 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Voice Activity Detection (VAD) (3GPP TS 26.451 version 16.0.0 Release 16)
694	ETSI TS 129 108 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Application of the Radio Access Network Application Part (RANAP) on the E-interface (3GPP TS 29.108 version 16.0.0 Release 16)
695	ETSI TS 129 413 V16.0.0 (2020-08)	5G; Application of the NG Application Protocol (NGAP) to non-3GPP access (3GPP TS 29.413 version 16.0.0 Release 16)

696	ETSI TS 129 413 V15.4.0 (2020-08)	5G; Application of the NG Application Protocol (NGAP) to non-3GPP access (3GPP TS 29.413 version 15.4.0 Release 15)
697	ETSI TS 132 666 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP);
698	ETSI TS 132 690 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Inventory Management (IM); Requirements (3GPP TS 32.690 version 16.0.0 Release 16)
699	ETSI TR 132 901 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Study on User Data Convergence (UDC) information model handling and provisioning: Example use cases (3GPP TR 32.901 version 16.0.0 Release 16)
700	ETSI TS 133 185 V16.0.0 (2020-08)	LTE; 5G; Security aspect for LTE support of Vehicle-to-Everything (V2X) services (3GPP TS 33.185 version 16.0.0 Release 16)
701	ETSI TS 133 203 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3G security; Access security for IP-based services (3GPP TS 33.203 version 16.0.0 Release 16)
702	ETSI TS 133 223 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) Push function (3GPP TS 33.223 version 16.0.0 Release 16)
703	ETSI TS 133 224 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) push layer (3GPP TS 33.224 version 16.0.0 Release 16)
704	ETSI TS 134 124 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 34.124 version 16.0.0 Release 16)
705	ETSI TR 134 926 V16.0.0 (2020-08)	Universal Mobile Telecommunications System (UMTS); LTE; Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment (3GPP TR 34.926 version 16.0.0 Release 16)
706	ETSI TS 135 205 V16.0.0 (2020-08)	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 16.0.0 Release 16)
707	ETSI TS 135 206 V16.0.0 (2020-08)	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 16.0.0 Release 16)
708	ETSI TS 135 207 V16.0.0 (2020-08)	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 16.0.0 Release 16)
709	ETSI TS 135 208 V16.0.0 (2020-08)	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 16.0.0 Release 16)
710	ETSI TR 135 919 V16.0.0 (2020-08)	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 16.0.0 Release 16)
711	ETSI TR 135 936 V16.0.0 (2020-08)	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 16.0.0 Release 16)
712	ETSI TR 141 031 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Fraud Information Gathering System (FIGS); Service requirements; Stage 0 (3GPP TR 41.031 version 16.0.0 Release 16)
713	ETSI TS 143 010 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); GSM Public Land Mobile Network (PLMN) connection types (3GPP TS 43.010 version 16.0.0 Release 16)
714	ETSI TS 143 020 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Security related network functions (3GPP TS 43.020 version 16.0.0 Release 16)
715	ETSI TS 143 045 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Technical realization of facsimile group 3 transparent (3GPP TS 43.045 version 16.0.0 Release 16)

716	ETSI TS 144 021 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Rate adaption on the Mobile Station - Base Station System (MS - BSS) interface (3GPP TS 44.021 version 16.0.0 Release 16)
717	ETSI TS 148 020 V16.0.0 (2020-08)	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 16.0.0 Release 16)
718	ETSI TS 152 008 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Telecommunication management; GSM subscriber and equipment trace (3GPP TS 52.008 version 16.0.0 Release 16)
719	ETSI TS 152 402 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Telecommunication management; Performance Management (PM); Performance measurements - GSM (3GPP TS 52.402 version 16.0.0 Release 16)
720	ETSI TS 155 205 V16.0.0 (2020-08)	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 16.0.0 Release 16)
721	ETSI TS 155 216 V16.0.0 (2020-08)	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 16.0.0 Release 16)
722	ETSI TS 155 217 V16.0.0 (2020-08)	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: Implementers' test data (3GPP TS 55.217 version 16.0.0 Release 16)
723	ETSI TS 155 218 V16.0.0 (2020-08)	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 16.0.0 Release 16)
724	ETSI TS 155 226 V16.0.0 (2020-08)	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 16.0.0 Release 16)
725	ETSI TS 155 236 V16.0.0 (2020-08)	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 16.0.0 Release 16)
726	ETSI TS 155 241 V16.0.0 (2020-08)	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 16.0.0 Release 16)
727	ETSI TS 155 242 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GIA4 integrity algorithm for General Packet Radio Service (GPRS); Implementers' test data (3GPP TS 55.242 version 16.0.0 Release 16)
728	ETSI TS 155 243 V16.0.0 (2020-08)	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 16.0.0 Release 16)
729	ETSI TS 155 251 V16.0.0 (2020-08)	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 16.0.0 Release 16)
730	ETSI TS 155 252 V16.0.0 (2020-08)	Digital cellular telecommunications system (Phase 2+) (GSM); Specification of the GEA5 encryption and GIA5 integrity algorithms for General Packet Radio Service (GPRS); Implementers' test data (3GPP TS 55.252 version 16.0.0 Release 16)
731	ETSI TS 155 253 V16.0.0 (2020-08)	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 16.0.0 Release 16)
732	ETSI TR 155 919 V16.0.0 (2020-08)	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 16.0.0 Release 16)
733	ETSI GS QKD 004 V2.1.1 (2020-08)	Quantum Key Distribution (QKD); Application Interface
734	ETSI TS 102 818 V3.3.1 (2020-08)	Hybrid Digital Radio (DAB, DRM, RadioDNS); XML Specification for Service and Programme Information (SPI)
735	ETSI ES 203 119-1 V1.5.1 (2020-08)	Methods for Testing and Specification (MTS); The Test Description Language (TDL); Part 1: Abstract Syntax and Associated Semantics
736	ETSI ES 203 119-2 V1.4.1 (2020-08)	Methods for Testing and Specification (MTS); The Test Description Language (TDL); Part 2: Graphical Syntax
737	ETSI ES 203 119-3 V1.4.1 (2020-08)	Methods for Testing and Specification (MTS); The Test Description Language (TDL); Part 3: Exchange Format
738	ETSI ES 203 119-4 V1.4.1 (2020-08)	Methods for Testing and Specification (MTS); The Test Description Language (TDL); Part 4: Structured Test Objective Specification (Extension)

739	ETSI ES 203 119-6 V1.2.1 (2020-08)	Methods for Testing and Specification (MTS); The Test Description Language (TDL); Part 6: Mapping to TTCN-3
740	ETSI ES 203 119-7 V1.2.1 (2020-08)	Methods for Testing and Specification (MTS); The Test Description Language (TDL); Part 7: Extended Test Configurations
741	ETSI TS 102 232-2 V3.12.1 (2020-08)	Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 2: Service-specific details for messaging services
742	ETSI TS 102 232-3 V3.8.1 (2020-08)	Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 3: Service-specific details for internet access services
743	ETSI TS 102 232-5 V3.12.1 (2020-08)	Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 5: Service-specific details for IP Multimedia services
744	ETSI TS 103 176 V2.4.1 (2020-08)	Digital Audio Broadcasting (DAB); Rules of implementation; Service information features