

Nr.	Standard reference	Title
1	ETSI GS NFV-IFA 011 V4.1.1 (2020-11)	Network Functions Virtualisation (NFV) Release 4; Management and Orchestration; VNF Descriptor and Packaging Specification
2	ETSI GR NFV-REL 011 V1.1.1 (2020-11)	Network Functions Virtualisation (NFV); Management and Orchestration; Report on NFV-MANO software modification
3	ETSI TS 101 968 V1.4.1 (2020-11)	Digital Radio Mondiale (DRM); Data applications directory
4	ETSI TS 102 232-3 V3.9.1 (2020-11)	Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 3: Service-specific details for internet access services
5	ETSI TR 102 503 V1.14.1 (2020-11)	Lawful Interception (LI); ASN.1 Object Identifiers in Lawful Interception and Retained data handling Specifications
6	ETSI TR 103 767 V1.1.1 (2020-11)	Lawful Interception (LI); Considerations about interfacing with providers of vehicle information
7	ETSI TS 119 403-2 V1.2.4 (2020-11)	Electronic Signatures and Infrastructures (ESI); Trust Service Provider Conformity Assessment; Part 2: Additional requirements for Conformity Assessment Bodies auditing Trust Service Providers that issue Publicly-Trusted Certificates
8	ETSI TS 122 101 V16.3.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Service aspects; Service principles (3GPP TS 22.101 version 16.3.0 Release 16)
9	ETSI TS 122 101 V16.2.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Service aspects; Service principles (3GPP TS 22.101 version 16.2.0 Release 16)
10	ETSI TS 123 246 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description (3GPP TS 23.246 version 16.1.0 Release 16)
11	ETSI TS 124 229 V14.14.1 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 14.14.1 Release 14)
12	ETSI TS 124 484 V13.10.1 (2020-11)	LTE; Mission Critical Services (MCS) configuration management; Protocol specification (3GPP TS 24.484 version 13.10.1 Release 13)
13	ETSI TS 124 535 V16.2.0 (2020-11)	5G; 5G System (5GS); Device-Side Time Sensitive Networking (TSN) Translator (DS-TT) to Network-Side TSN Translator (NW-TT) protocol aspects; Stage 3 (3GPP TS 24.535 version 16.2.0 Release 16)
14	ETSI TS 124 548 V16.1.0 (2020-11)	5G; Network Resource Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.548 version 16.1.0 Release 16)
15	ETSI TS 124 571 V16.2.0 (2020-11)	5G; 5G System (5GS); Control plane Location Services (LCS) procedures; Stage 3 (3GPP TS 24.571 version 16.2.0 Release 16)
16	ETSI TS 126 238 V16.6.2 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Uplink streaming (3GPP TS 26.238 version 16.6.2 Release 16)
17	ETSI TS 126 348 V16.3.0 (2020-11)	LTE; 5G; Northbound Application Programming Interface (API) for Multimedia Broadcast/Multicast Service (MBMS) at the xMB reference point (3GPP TS 26.348 version 16.3.0 Release 16)
18	ETSI TS 128 533 V16.5.1 (2020-11)	5G; Management and orchestration; Architecture framework (3GPP TS 28.533 version 16.5.1 Release 16)
19	ETSI TS 128 535 V16.1.0 (2020-11)	5G; LTE; Management and orchestration; Management services for communication service assurance; Requirements (3GPP TS 28.535 version 16.1.0 Release 16)
20	ETSI TS 128 536 V16.1.0 (2020-11)	LTE; 5G; Management and orchestration; Management services for communication service assurance; Stage 2 and stage 3 (3GPP TS 28.536 version 16.1.0 Release 16)
21	ETSI TS 128 541 V15.7.0 (2020-11)	5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3 (3GPP TS 28.541 version 15.7.0 Release 15)
22	ETSI TS 128 541 V16.6.0 (2020-11)	5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3 (3GPP TS 28.541 version 16.6.0 Release 16)
23	ETSI TS 128 545 V16.1.0 (2020-11)	5G; Management and orchestration; Fault Supervision (FS) (3GPP TS 28.545 version 16.1.0 Release 16)
24	ETSI TS 128 550 V15.6.0 (2020-11)	5G; Management and orchestration; Performance assurance (3GPP TS 28.550 version 15.6.0 Release 15)
25	ETSI TS 128 550 V16.6.0 (2020-11)	5G; Management and orchestration; Performance assurance (3GPP TS 28.550 version 16.6.0 Release 16)
26	ETSI TS 128 552 V16.7.0 (2020-11)	5G; Management and orchestration; 5G performance measurements (3GPP TS 28.552 version 16.7.0 Release 16)
27	ETSI TS 128 554 V16.6.0 (2020-11)	5G; Management and orchestration; 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 16.6.0 Release 16)
28	ETSI TS 128 622 V16.5.0 (2020-11)	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 16.5.0 Release 16)
29	ETSI TS 128 623 V11.5.0 (2020-11)	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 11.5.0 Release 11)

30	ETSI TS 128 623 V14.2.0 (2020-11)	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 14.2.0 Release 14)
31	ETSI TS 128 623 V16.5.0 (2020-11)	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 16.5.0 Release 16)
32	ETSI TS 128 623 V12.3.0 (2020-11)	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 12.3.0 Release 12)
33	ETSI TS 128 623 V13.3.0 (2020-11)	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 13.3.0 Release 13)
34	ETSI TS 128 623 V15.5.0 (2020-11)	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 15.5.0 Release 15)
35	ETSI TS 128 628 V16.1.0 (2020-11)	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 16.1.0 Release 16)
36	ETSI TS 129 061 V16.1.0 (2020-11)	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 16.1.0 Release 16)
37	ETSI TS 129 116 V14.5.0 (2020-11)	LTE; 5G; Representational state transfer over xMB reference point between content provider and BM-SC (3GPP TS 29.116 version 14.5.0 Release 14)
38	ETSI TS 129 116 V16.6.0 (2020-11)	LTE; 5G; Representational state transfer over xMB reference point between content provider and BM-SC (3GPP TS 29.116 version 16.6.0 Release 16)
39	ETSI TS 129 116 V15.3.0 (2020-11)	LTE; 5G; Representational state transfer over xMB reference point between content provider and BM-SC (3GPP TS 29.116 version 15.3.0 Release 15)
40	ETSI TS 129 122 V15.8.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; T8 reference point for Northbound APIs (3GPP TS 29.122 version 15.8.0 Release 15)
41	ETSI TS 129 122 V16.7.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; T8 reference point for Northbound APIs (3GPP TS 29.122 version 16.7.0 Release 16)
42	ETSI TS 129 165 V16.4.0 (2020-11)	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 16.4.0 Release 16)
43	ETSI TS 129 165 V13.15.0 (2020-11)	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 13.15.0 Release 13)
44	ETSI TS 129 165 V14.14.0 (2020-11)	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 14.14.0 Release 14)
45	ETSI TS 129 165 V15.11.0 (2020-11)	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 15.11.0 Release 15)
46	ETSI TS 129 171 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Location Services (LCS); LCS Application Protocol (LCS-AP) between the Mobile Management Entity (MME) and Evolved Serving Mobile Location Centre (E-SMLC); SLs interface (3GPP TS 29.171 version 16.1.0 Release 16)
47	ETSI TS 129 212 V16.3.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Policy and Charging Control (PCC); Reference points (3GPP TS 29.212 version 16.3.0 Release 16)
48	ETSI TS 129 212 V16.4.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Policy and Charging Control (PCC); Reference points (3GPP TS 29.212 version 16.4.0 Release 16)
49	ETSI TS 129 214 V16.4.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Policy and charging control over Rx reference point (3GPP TS 29.214 version 16.4.0 Release 16)
50	ETSI TS 129 214 V15.9.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Policy and charging control over Rx reference point (3GPP TS 29.214 version 15.9.0 Release 15)

51	ETSI TS 129 222 V16.4.0 (2020-11)	5G; LTE; Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 16.4.0 Release 16)
52	ETSI TS 129 222 V15.7.0 (2020-11)	5G; LTE; Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 15.7.0 Release 15)
53	ETSI TS 129 230 V16.4.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Diameter applications; 3GPP specific codes and identifiers (3GPP TS 29.230 version 16.4.0 Release 16)
54	ETSI TS 129 230 V15.10.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Diameter applications; 3GPP specific codes and identifiers (3GPP TS 29.230 version 15.10.0 Release 15)
55	ETSI TS 129 230 V16.3.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Diameter applications; 3GPP specific codes and identifiers (3GPP TS 29.230 version 16.3.0 Release 16)
56	ETSI TS 129 244 V16.4.0 (2020-11)	LTE; 5G; Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 16.4.0 Release 16)
57	ETSI TS 129 244 V15.10.0 (2020-11)	LTE; 5G; Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 15.10.0 Release 15)
58	ETSI TS 129 244 V16.5.0 (2020-11)	LTE; 5G; Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 16.5.0 Release 16)
59	ETSI TS 129 272 V16.3.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evolved Packet System (EPS); Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol (3GPP TS 29.272 version 16.3.0 Release 16)
60	ETSI TS 129 272 V16.4.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evolved Packet System (EPS); Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol (3GPP TS 29.272 version 16.4.0 Release 16)
61	ETSI TS 129 273 V16.2.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evolved Packet System (EPS); 3GPP EPS AAA interfaces (3GPP TS 29.273 version 16.2.0 Release 16)
62	ETSI TS 129 273 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evolved Packet System (EPS); 3GPP EPS AAA interfaces (3GPP TS 29.273 version 16.1.0 Release 16)
63	ETSI TS 129 274 V16.5.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; 3GPP Evolved Packet System (EPS); Evolved General Packet Radio Service (GPRS) Tunnelling Protocol for Control plane (GTPv2-C); Stage 3 (3GPP TS 29.274 version 16.5.0 Release 16)
64	ETSI TS 129 274 V16.4.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; 3GPP Evolved Packet System (EPS); Evolved General Packet Radio Service (GPRS) Tunnelling Protocol for Control plane (GTPv2-C); Stage 3 (3GPP TS 29.274 version 16.4.0 Release 16)
65	ETSI TS 129 281 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; General Packet Radio System (GPRS) Tunnelling Protocol User Plane (GTPv1-U) (3GPP TS 29.281 version 16.1.0 Release 16)
66	ETSI TS 129 281 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; General Packet Radio System (GPRS) Tunnelling Protocol User Plane (GTPv1-U) (3GPP TS 29.281 version 16.0.0 Release 16)
67	ETSI TS 129 338 V15.3.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Diameter based protocols to support Short Message Service (SMS) capable Mobile Management Entities (MMEs) (3GPP TS 29.338 version 15.3.0 Release 15)
68	ETSI TS 129 338 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Diameter based protocols to support Short Message Service (SMS) capable Mobile Management Entities (MMEs) (3GPP TS 29.338 version 16.1.0 Release 16)
69	ETSI TS 129 379 V16.0.0 (2020-11)	LTE; 5G; Mission Critical Push To Talk (MCPTT) call control interworking with Land Mobile Radio (LMR) systems; Stage-3 (3GPP TS 29.379 version 16.0.0 Release 16)
70	ETSI TS 129 379 V16.1.1 (2020-11)	LTE; 5G; Mission Critical Push To Talk (MCPTT) call control interworking with Land Mobile Radio (LMR) systems; Stage-3 (3GPP TS 29.379 version 16.1.1 Release 16)
71	ETSI TS 129 500 V16.4.0 (2020-11)	5G; 5G System; Technical Realization of Service Based Architecture; Stage 3 (3GPP TS 29.500 version 16.4.0 Release 16)
72	ETSI TS 129 500 V16.5.0 (2020-11)	5G; 5G System; Technical Realization of Service Based Architecture; Stage 3 (3GPP TS 29.500 version 16.5.0 Release 16)
73	ETSI TS 129 500 V15.7.0 (2020-11)	5G; 5G System; Technical Realization of Service Based Architecture; Stage 3 (3GPP TS 29.500 version 15.7.0 Release 15)
74	ETSI TS 129 501 V16.4.0 (2020-11)	5G; 5G System; Principles and Guidelines for Services Definition; Stage 3 (3GPP TS 29.501 version 16.4.0 Release 16)
75	ETSI TS 129 501 V15.8.0 (2020-11)	5G; 5G System; Principles and Guidelines for Services Definition; Stage 3 (3GPP TS 29.501 version 15.8.0 Release 15)
76	ETSI TS 129 501 V16.5.0 (2020-11)	5G; 5G System; Principles and Guidelines for Services Definition; Stage 3 (3GPP TS 29.501 version 16.5.0 Release 16)

77	ETSI TS 129 502 V16.5.0 (2020-11)	5G; 5G System; Session Management Services; Stage 3 (3GPP TS 29.502 version 16.5.0 Release 16)
78	ETSI TS 129 502 V15.9.0 (2020-11)	5G; 5G System; Session Management Services; Stage 3 (3GPP TS 29.502 version 15.9.0 Release 15)
79	ETSI TS 129 503 V16.5.0 (2020-11)	5G; 5G System; Unified Data Management Services; Stage 3 (3GPP TS 29.503 version 16.5.0 Release 16)
80	ETSI TS 129 503 V15.8.0 (2020-11)	5G; 5G System; Unified Data Management Services; Stage 3 (3GPP TS 29.503 version 15.8.0 Release 15)
81	ETSI TS 129 504 V16.5.0 (2020-11)	5G; 5G System; Unified Data Repository Services; Stage 3 (3GPP TS 29.504 version 16.5.0 Release 16)
82	ETSI TS 129 505 V16.4.0 (2020-11)	5G; 5G System; Usage of the Unified Data Repository services for Subscription Data; Stage 3 (3GPP TS 29.505 version 16.4.0 Release 16)
83	ETSI TS 129 507 V16.5.0 (2020-11)	5G; 5G System; Access and Mobility Policy Control Service; Stage 3 (3GPP TS 29.507 version 16.5.0 Release 16)
84	ETSI TS 129 508 V16.5.0 (2020-11)	5G; 5G System; Session Management Event Exposure Service; Stage 3 (3GPP TS 29.508 version 16.5.0 Release 16)
85	ETSI TS 129 509 V15.6.0 (2020-11)	5G; 5G System; Authentication Server Services; Stage 3 (3GPP TS 29.509 version 15.6.0 Release 15)
86	ETSI TS 129 509 V16.5.0 (2020-11)	5G; 5G System; Authentication Server Services; Stage 3 (3GPP TS 29.509 version 16.5.0 Release 16)
87	ETSI TS 129 510 V15.8.0 (2020-11)	5G; 5G System; Network function repository services; Stage 3 (3GPP TS 29.510 version 15.8.0 Release 15)
88	ETSI TS 129 521 V16.5.0 (2020-11)	5G; 5G System; Binding Support Management Service; Stage 3 (3GPP TS 29.521 version 16.5.0 Release 16)
89	ETSI TS 129 522 V16.5.0 (2020-11)	5G; 5G System; Network Exposure Function Northbound APIs; Stage 3 (3GPP TS 29.522 version 16.5.0 Release 16)
90	ETSI TS 129 523 V16.3.0 (2020-11)	5G; 5G System; Policy Control Event Exposure Service; Stage 3 (3GPP TS 29.523 version 16.3.0 Release 16)
91	ETSI TS 129 523 V15.4.0 (2020-11)	5G; 5G System; Policy Control Event Exposure Service; Stage 3 (3GPP TS 29.523 version 15.4.0 Release 15)
92	ETSI TS 129 525 V16.5.0 (2020-11)	5G; 5G System; UE Policy Control Service; Stage 3 (3GPP TS 29.525 version 16.5.0 Release 16)
93	ETSI TS 129 526 V16.1.0 (2020-11)	5G; 5G System; Network Slice-Specific Authentication and Authorization (NSSAA) services; Stage 3 (3GPP TS 29.526 version 16.1.0 Release 16)
94	ETSI TS 129 531 V16.4.0 (2020-11)	5G; 5G System; Network Slice Selection Services; Stage 3 (3GPP TS 29.531 version 16.4.0 Release 16)
95	ETSI TS 129 540 V16.5.0 (2020-11)	5G; 5G System; SMS Services; Stage 3 (3GPP TS 29.540 version 16.5.0 Release 16)
96	ETSI TS 129 542 V16.2.0 (2020-11)	LTE; 5G; 5G System; Session management services for Non-IP Data Delivery (NIDD); Stage 3 (3GPP TS 29.542 version 16.2.0 Release 16)
97	ETSI TS 129 544 V16.2.0 (2020-11)	5G; 5G System; Secured Packet Application Function (SP-AF) services; Stage 3 (3GPP TS 29.544 version 16.2.0 Release 16)
98	ETSI TS 129 549 V16.1.0 (2020-11)	5G; LTE; Service Enabler Architecture Layer for Verticals (SEAL); Application Programming Interface (API) specification; Stage 3 (3GPP TS 29.549 version 16.1.0 Release 16)
99	ETSI TS 129 550 V16.2.0 (2020-11)	5G; 5G System; Steering of roaming application function services; Stage 3 (3GPP TS 29.550 version 16.2.0 Release 16)
100	ETSI TS 129 551 V15.6.0 (2020-11)	5G; 5G System; Packet Flow Description Management Service; Stage 3 (3GPP TS 29.551 version 15.6.0 Release 15)
101	ETSI TS 129 551 V16.5.0 (2020-11)	5G; 5G System; Packet Flow Description Management Service; Stage 3 (3GPP TS 29.551 version 16.5.0 Release 16)
102	ETSI TS 129 561 V15.5.0 (2020-11)	5G; 5G System; Interworking between 5G Network and external Data Networks; Stage 3 (3GPP TS 29.561 version 15.5.0 Release 15)
103	ETSI TS 129 561 V16.5.0 (2020-11)	5G; 5G System; Interworking between 5G Network and external Data Networks; Stage 3 (3GPP TS 29.561 version 16.5.0 Release 16)
104	ETSI TS 129 562 V16.2.0 (2020-11)	5G; 5G System; Home Subscriber Server (HSS) services for interworking with the IP Multimedia Subsystem (IMS); Stage 3 (3GPP TS 29.562 version 16.2.0 Release 16)
105	ETSI TS 129 563 V16.2.0 (2020-11)	5G; 5G System; Home Subscriber Server (HSS) services for interworking with Unified Data Management (UDM); Stage 3 (3GPP TS 29.563 version 16.2.0 Release 16)
106	ETSI TS 129 571 V16.5.0 (2020-11)	5G; 5G System; Common Data Types for Service Based Interfaces; Stage 3 (3GPP TS 29.571 version 16.5.0 Release 16)
107	ETSI TS 129 572 V16.4.0 (2020-11)	5G; 5G System; Location Management Services; Stage 3 (3GPP TS 29.572 version 16.4.0 Release 16)
108	ETSI TS 129 573 V16.4.0 (2020-11)	5G; 5G System; Public Land Mobile Network (PLMN) Interconnection; Stage 3 (3GPP TS 29.573 version 16.4.0 Release 16)
109	ETSI TS 129 582 V16.2.0 (2020-11)	LTE; 5G; Mission Critical Data (MCData) interworking with Land Mobile Radio (LMR) systems; Stage 3 (3GPP TS 29.582 version 16.2.0 Release 16)
110	ETSI TS 129 591 V16.2.0 (2020-11)	5G; 5G System (5GS); Network exposure function southbound services; Stage 3 (3GPP TS 29.591 version 16.2.0 Release 16)
111	ETSI TS 129 594 V16.3.0 (2020-11)	5G; 5G System; Spending Limit Control Service; Stage 3 (3GPP TS 29.594 version 16.3.0 Release 16)

112	ETSI TS 129 594 V15.7.0 (2020-11)	5G; 5G System; Spending Limit Control Service; Stage 3 (3GPP TS 29.594 version 15.7.0 Release 15)
113	ETSI TS 129 598 V16.2.0 (2020-11)	5G; Unstructured data storage services (3GPP TS 29.598 version 16.2.0 Release 16)
114	ETSI TS 129 673 V16.2.0 (2020-11)	LTE; 5G; 5G System; UE radio capability management services; Stage 3 (3GPP TS 29.673 version 16.2.0 Release 16)
115	ETSI TS 129 674 V16.2.0 (2020-11)	LTE; 5G; Interface between the UE radio Capability Management Function (UCMF) and the Mobility Management Entity (MME); Stage 3 (3GPP TS 29.674 version 16.2.0 Release 16)
116	ETSI TS 129 675 V16.2.0 (2020-11)	LTE; 5G; User Equipment (UE) radio capability provisioning service; Stage 3 (3GPP TS 29.675 version 16.2.0 Release 16)
117	ETSI TS 131 102 V16.5.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 16.5.0 Release 16)
118	ETSI TS 131 102 V15.11.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 15.11.0 Release 15)
119	ETSI TS 131 103 V15.6.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Characteristics of the IP Multimedia Services Identity Module (ISIM) application (3GPP TS 31.103 version 15.6.0 Release 15)
120	ETSI TS 131 103 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Characteristics of the IP Multimedia Services Identity Module (ISIM) application (3GPP TS 31.103 version 16.0.0 Release 16)
121	ETSI TS 131 103 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Characteristics of the IP Multimedia Services Identity Module (ISIM) application (3GPP TS 31.103 version 16.1.0 Release 16)
122	ETSI TS 131 104 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Characteristics of the Hosting Party Subscription Identity Module (HPSIM) application (3GPP TS 31.104 version 16.1.0 Release 16)
123	ETSI TS 131 104 V15.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Characteristics of the Hosting Party Subscription Identity Module (HPSIM) application (3GPP TS 31.104 version 15.1.0 Release 15)
124	ETSI TS 131 111 V16.2.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 16.2.0 Release 16)
125	ETSI TS 131 111 V15.10.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 15.10.0 Release 15)
126	ETSI TS 131 121 V15.9.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 15.9.0 Release 15)
127	ETSI TS 131 121 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 16.1.0 Release 16)
128	ETSI TS 131 122 V15.3.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 15.3.0 Release 15)
129	ETSI TS 131 122 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 16.1.0 Release 16)
130	ETSI TS 131 213 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Test specification for (U)SIM; Application Programming Interface (API) for Java Card™ (3GPP TS 31.213 version 16.1.0 Release 16)
131	ETSI TS 131 213 V15.2.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Test specification for (U)SIM; Application Programming Interface (API) for Java Card™ (3GPP TS 31.213 version 15.2.0 Release 15)
132	ETSI TS 132 103 V12.2.0 (2020-11)	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 12.2.0 Release 12)
133	ETSI TS 132 103 V16.1.0 (2020-11)	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 16.1.0 Release 16)
134	ETSI TS 132 103 V14.2.0 (2020-11)	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 14.2.0 Release 14)

135	ETSI TS 132 103 V11.6.0 (2020-11)	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 11.6.0 Release 11)
136	ETSI TS 132 103 V13.1.0 (2020-11)	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 13.1.0 Release 13)
137	ETSI TS 132 103 V15.2.0 (2020-11)	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 15.2.0 Release 15)
138	ETSI TS 132 103 V10.1.0 (2020-11)	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 10.1.0 Release 10)
139	ETSI TS 132 107 V15.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 15.1.0 Release 15)
140	ETSI TS 132 107 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 16.1.0 Release 16)
141	ETSI TS 132 107 V13.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 13.1.0 Release 13)
142	ETSI TS 132 107 V14.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 14.1.0 Release 14)
143	ETSI TS 132 107 V12.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) Federated Network Information Model (FNIM) (3GPP TS 32.107 version 12.1.0 Release 12)

144	ETSI TS 132 158 V16.1.0 (2020-11)	LTE; 5G; Management and orchestration; Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 16.1.0 Release 16)
145	ETSI TS 132 255 V16.6.1 (2020-11)	5G; Telecommunication management; Charging management; 5G data connectivity domain charging; Stage 2 (3GPP TS 32.255 version 16.6.1 Release 16)
146	ETSI TS 132 274 V16.1.0 (2020-11)	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 16.1.0 Release 16)
147	ETSI TS 132 290 V16.5.0 (2020-11)	5G; Telecommunication management; Charging management; 5G system; Services, operations and procedures of charging using Service Based Interface (SBI) (3GPP TS 32.290 version 16.5.0 Release 16)
148	ETSI TS 132 291 V15.7.0 (2020-11)	5G; Telecommunication management; Charging management; 5G system, charging service; Stage 3 (3GPP TS 32.291 version 15.7.0 Release 15)
149	ETSI TS 132 291 V16.5.1 (2020-11)	5G; Telecommunication management; Charging management; 5G system, charging service; Stage 3 (3GPP TS 32.291 version 16.5.1 Release 16)
150	ETSI TS 132 297 V16.2.0 (2020-11)	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 16.2.0 Release 16)
151	ETSI TS 132 422 V15.5.0 (2020-11)	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 15.5.0 Release 15)
152	ETSI TS 132 422 V16.3.0 (2020-11)	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 16.3.0 Release 16)
153	ETSI TS 132 423 V16.2.0 (2020-11)	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 16.2.0 Release 16)
154	ETSI TS 133 108 V15.8.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 3G security; Handover interface for Lawful Interception (LI) (3GPP TS 33.108 version 15.8.0 Release 15)
155	ETSI TS 133 108 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 3G security; Handover interface for Lawful Interception (LI) (3GPP TS 33.108 version 16.1.0 Release 16)
156	ETSI TS 133 108 V16.2.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Digital cellular telecommunications system (Phase 2+) (GSM); 3G security; Handover interface for Lawful Interception (LI) (3GPP TS 33.108 version 16.2.0 Release 16)
157	ETSI TS 133 127 V16.5.0 (2020-11)	LTE; 5G; Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Lawful Interception (LI) architecture and functions (3GPP TS 33.127 version 16.5.0 Release 16)
158	ETSI TS 133 127 V16.4.0 (2020-11)	LTE; 5G; Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Lawful Interception (LI) architecture and functions (3GPP TS 33.127 version 16.4.0 Release 16)
159	ETSI TS 133 128 V16.4.0 (2020-11)	LTE; 5G; Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Security; Protocol and procedures for Lawful Interception (LI);
160	ETSI TS 133 128 V15.5.0 (2020-11)	LTE; 5G; Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Security; Protocol and procedures for Lawful Interception (LI);
161	ETSI TS 133 128 V16.3.0 (2020-11)	LTE; 5G; Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Security; Protocol and procedures for Lawful Interception (LI);
162	ETSI TS 133 203 V14.3.0 (2020-11)	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 14.3.0 Release 14)
163	ETSI TS 133 203 V13.4.0 (2020-11)	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 13.4.0 Release 13)
164	ETSI TS 133 203 V15.3.0 (2020-11)	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 15.3.0 Release 15)

165	ETSI TS 133 203 V16.1.0 (2020-11)	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 16.1.0 Release 16)
166	ETSI TS 133 216 V16.5.0 (2020-11)	LTE; Security Assurance Specification (SCAS) for the evolved Node B (eNB) network product class (3GPP TS 33.216 version 16.5.0 Release 16)
167	ETSI TS 133 216 V15.3.0 (2020-11)	LTE; Security Assurance Specification (SCAS) for the evolved Node B (eNB) network product class (3GPP TS 33.216 version 15.3.0 Release 15)
168	ETSI GS NFV-IFA 010 V4.1.1 (2020-11)	Network Functions Virtualisation (NFV) Release 4; Management and Orchestration; Functional requirements specification
169	ETSI GS NFV-IFA 040 V4.1.1 (2020-11)	Network Functions Virtualisation (NFV) Release 4; Management and Orchestration; Requirements for service interfaces and object model for OS container management and orchestration specification
170	ETSI TR 103 437 V1.1.1 (2020-11)	USER; Quality of ICT services; New QoS approach in a digital ecosystem
171	ETSI EG 203 647 V1.1.1 (2020-11)	Methods for Testing and Specification (MTS); Methodology for RESTful APIs specifications and testing
172	ETSI GR PDL 002 V1.1.1 (2020-11)	Permissioned Distributed Ledger (PDL); Applicability and compliance to data processing requirements
173	ETSI TS 102 221 V16.3.0 (2020-11)	Smart Cards; UICC-Terminal interface; Physical and logical characteristics (Release 16)
174	ETSI TS 102 232-1 V3.22.1 (2020-11)	Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 1: Handover specification for IP delivery
175	ETSI TR 103 715 V1.1.1 (2020-11)	SmartM2M; Study for oneM2M; Discovery and Query solutions analysis & selection
176	ETSI TS 103 769 V1.1.1 (2020-11)	Digital Video Broadcasting (DVB); Adaptive media streaming over IP multicast
177	ETSI TS 103 770 V1.1.1 (2020-11)	Digital Video Broadcasting (DVB); Service Discovery and Programme Metadata for DVB-I
178	ETSI TS 103 771 V1.1.1 (2020-11)	Digital Radio Mondiale (DRM); Regional profiles
179	ETSI TS 118 119 V2.3.0 (2020-11)	oneM2M Abstract Test Suite and Implementation eXtra Information for Test (oneM2M TS-0019 version 2.3.0 Release 2)
180	ETSI TS 122 011 V16.5.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service accessibility (3GPP TS 22.011 version 16.5.0 Release 16)
181	ETSI TS 122 115 V16.3.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service aspects; Charging and billing (3GPP TS 22.115 version 16.3.0 Release 16)
182	ETSI TS 122 119 V16.2.0 (2020-11)	LTE; 5G; Maritime communication services over 3GPP system (3GPP TS 22.119 version 16.2.0 Release 16)
183	ETSI TS 122 153 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia priority service (3GPP TS 22.153 version 16.0.0 Release 16)
184	ETSI TS 122 173 V16.3.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Core Network Subsystem (IMS) Multimedia Telephony Service and supplementary services; Stage 1 (3GPP TS 22.173 version 16.3.0 Release 16)
185	ETSI TS 126 512 V16.0.0 (2020-11)	5G; 5G Media Streaming (5GMS); Protocols (3GPP TS 26.512 version 16.0.0 Release 16)
186	ETSI TS 128 532 V16.5.2 (2020-11)	5G; Management and orchestration; Generic management services (3GPP TS 28.532 version 16.5.2 Release 16)
187	ETSI TS 129 512 V16.6.0 (2020-11)	5G; 5G System; Session Management Policy Control Service; Stage 3 (3GPP TS 29.512 version 16.6.0 Release 16)
188	ETSI TS 129 512 V15.8.0 (2020-11)	5G; 5G System; Session Management Policy Control Service; Stage 3 (3GPP TS 29.512 version 15.8.0 Release 15)
189	ETSI TS 129 513 V16.5.0 (2020-11)	5G; 5G System; Policy and Charging Control signalling flows and QoS parameter mapping; Stage 3 (3GPP TS 29.513 version 16.5.0 Release 16)
190	ETSI TS 129 513 V15.8.0 (2020-11)	5G; 5G System; Policy and Charging Control signalling flows and QoS parameter mapping; Stage 3 (3GPP TS 29.513 version 15.8.0 Release 15)
191	ETSI TS 129 514 V16.6.0 (2020-11)	5G; 5G System; Policy Authorization Service; Stage 3 (3GPP TS 29.514 version 16.6.0 Release 16)
192	ETSI TS 129 515 V16.2.0 (2020-11)	5G; 5G System; Gateway Mobile Location Services; Stage 3 (3GPP TS 29.515 version 16.2.0 Release 16)
193	ETSI TS 129 517 V16.2.0 (2020-11)	5G; 5G System; Application Function (AF) event exposure service; Stage 3 (3GPP TS 29.517 version 16.2.0 Release 16)
194	ETSI TS 129 518 V15.8.0 (2020-11)	5G; 5G System; Access and Mobility Management Services; Stage 3 (3GPP TS 29.518 version 15.8.0 Release 15)
195	ETSI TS 129 518 V16.5.0 (2020-11)	5G; 5G System; Access and Mobility Management Services; Stage 3 (3GPP TS 29.518 version 16.5.0 Release 16)
196	ETSI TS 129 519 V16.5.0 (2020-11)	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 16.5.0 Release 16)
197	ETSI TS 129 520 V15.7.0 (2020-11)	5G; 5G System; Network Data Analytics Services; Stage 3 (3GPP TS 29.520 version 15.7.0 Release 15)

198	ETSI TS 129 520 V16.5.1 (2020-11)	5G; 5G System; Network Data Analytics Services; Stage 3 (3GPP TS 29.520 version 16.5.1 Release 16)
199	ETSI TS 132 298 V16.6.1 (2020-11)	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 16.6.1 Release 16)
200	ETSI TS 133 220 V16.2.0 (2020-11)	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 16.2.0 Release 16)
201	ETSI TS 133 310 V16.5.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Domain Security (NDS); Authentication Framework (AF) (3GPP TS 33.310 version 16.5.0 Release 16)
202	ETSI TS 133 434 V16.1.0 (2020-11)	LTE; 5G; Security aspects of Service Enabler Architecture Layer (SEAL) for verticals (3GPP TS 33.434 version 16.1.0 Release 16)
203	ETSI TS 133 501 V16.4.0 (2020-11)	5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 16.4.0 Release 16)
204	ETSI TS 133 501 V15.10.0 (2020-11)	5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 15.10.0 Release 15)
205	ETSI TS 133 511 V16.5.0 (2020-11)	5G; Security Assurance Specification (SCAS) for the next generation Node B (gNodeB) network product class (3GPP TS 33.511 version 16.5.0 Release 16)
206	ETSI TS 133 514 V16.3.0 (2020-11)	5G; 5G Security Assurance Specification (SCAS) for the Unified Data Management (UDM) network product class (3GPP TS 33.514 version 16.3.0 Release 16)
207	ETSI TS 133 536 V16.1.0 (2020-11)	LTE; 5G; Security aspects of 3GPP support for advanced Vehicle-to-Everything (V2X) services (3GPP TS 33.536 version 16.1.0 Release 16)
208	ETSI TS 134 121-2 V15.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); User Equipment (UE) conformance specification; Radio transmission and reception (FDD); Part 2: Implementation Conformance Statement (ICS) (3GPP TS 34.121-2 version 15.1.0 Release 15)
209	ETSI TS 134 229-2 V15.4.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 15.4.0 Release 15)
210	ETSI TS 134 229-3 V15.6.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 15.6.0 Release 15)
211	ETSI TS 136 509 V15.4.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Special conformance testing functions for User Equipment (UE) (3GPP TS 36.509 version 15.4.0 Release 15)
212	ETSI TS 136 579-4 V14.4.1 (2020-11)	LTE; Mission Critical (MC) services over LTE; Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.579-4 version 14.4.1 Release 14)
213	ETSI TS 136 579-5 V14.0.0 (2020-11)	LTE; Mission Critical (MC) services over LTE; Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 14.0.0 Release 14)
214	ETSI TS 136 579-5 V13.7.0 (2020-11)	LTE; Mission Critical (MC) services over LTE; Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 13.7.0 Release 13)
215	ETSI TR 136 903 V15.4.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Derivation of test tolerances for Radio Resource Management (RRM) conformance tests (3GPP TR 36.903 version 15.4.0 Release 15)
216	ETSI TR 136 905 V16.5.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Derivation of test points for radio transmission and reception conformance test cases (3GPP TR 36.905 version 16.5.0 Release 16)
217	ETSI TS 137 571-1 V16.6.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 1: Conformance test specification (3GPP TS 37.571-1 version 16.6.0 Release 16)
218	ETSI TS 137 571-2 V16.4.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance (3GPP TS 37.571-2 version 16.4.0 Release 16)
219	ETSI TS 137 571-2 V16.5.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance (3GPP TS 37.571-2 version 16.5.0 Release 16)
220	ETSI TR 137 901-5 V16.1.0 (2020-11)	5G; Study on 5G NR User Equipment (UE) application layer data throughput performance (3GPP TR 37.901-5 version 16.1.0 Release 16)
221	ETSI TS 138 212 V15.10.0 (2020-11)	5G; NR; Multiplexing and channel coding (3GPP TS 38.212 version 15.10.0 Release 15)

222	ETSI TS 138 212 V16.3.0 (2020-11)	5G; NR; Multiplexing and channel coding (3GPP TS 38.212 version 16.3.0 Release 16)
223	ETSI TS 138 213 V16.3.0 (2020-11)	5G; NR; Physical layer procedures for control (3GPP TS 38.213 version 16.3.0 Release 16)
224	ETSI TS 138 213 V15.11.0 (2020-11)	5G; NR; Physical layer procedures for control (3GPP TS 38.213 version 15.11.0 Release 15)
225	ETSI TS 138 214 V15.11.0 (2020-11)	5G; NR; Physical layer procedures for data (3GPP TS 38.214 version 15.11.0 Release 15)
226	ETSI TS 138 214 V16.3.0 (2020-11)	5G; NR; Physical layer procedures for data (3GPP TS 38.214 version 16.3.0 Release 16)
227	ETSI TS 138 215 V16.3.0 (2020-11)	5G; NR; Physical layer measurements (3GPP TS 38.215 version 16.3.0 Release 16)
228	ETSI TS 138 300 V16.3.0 (2020-11)	5G; NR; NR and NG-RAN Overall description; Stage-2 (3GPP TS 38.300 version 16.3.0 Release 16)
229	ETSI TS 138 300 V15.11.0 (2020-11)	5G; NR; NR and NG-RAN Overall description; Stage-2 (3GPP TS 38.300 version 15.11.0 Release 15)
230	ETSI TS 138 304 V16.2.0 (2020-11)	5G; NR; User Equipment (UE) procedures in idle mode and in RRC Inactive state (3GPP TS 38.304 version 16.2.0 Release 16)
231	ETSI TS 138 305 V16.2.0 (2020-11)	5G; NG Radio Access Network (NG-RAN); Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 16.2.0 Release 16)
232	ETSI TS 138 306 V15.11.0 (2020-11)	5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.11.0 Release 15)
233	ETSI TS 138 306 V16.2.0 (2020-11)	5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.2.0 Release 16)
234	ETSI TS 138 307 V16.4.0 (2020-11)	5G; NR; Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 16.4.0 Release 16)
235	ETSI TS 138 314 V16.1.0 (2020-11)	5G; NR; Layer 2 measurements (3GPP TS 38.314 version 16.1.0 Release 16)
236	ETSI TS 138 321 V15.10.0 (2020-11)	5G; NR; Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 15.10.0 Release 15)
237	ETSI TS 138 321 V16.2.1 (2020-11)	5G; NR; Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 16.2.1 Release 16)
238	ETSI TS 138 323 V15.7.0 (2020-11)	5G; NR; Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 15.7.0 Release 15)
239	ETSI TS 138 323 V16.2.0 (2020-11)	5G; NR; Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 16.2.0 Release 16)
240	ETSI TS 138 331 V16.2.0 (2020-11)	5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 16.2.0 Release 16)
241	ETSI TS 138 331 V15.11.0 (2020-11)	5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 15.11.0 Release 15)
242	ETSI TS 138 340 V16.2.0 (2020-11)	5G; NR; Backhaul Adaptation Protocol (BAP) specification (3GPP TS 38.340 version 16.2.0 Release 16)
243	ETSI TS 138 401 V16.3.0 (2020-11)	5G; NG-RAN; Architecture description (3GPP TS 38.401 version 16.3.0 Release 16)
244	ETSI TS 138 401 V15.9.0 (2020-11)	5G; NG-RAN; Architecture description (3GPP TS 38.401 version 15.9.0 Release 15)
245	ETSI TS 138 410 V16.3.0 (2020-11)	5G; NG-RAN; NG general aspects and principles (3GPP TS 38.410 version 16.3.0 Release 16)
246	ETSI TS 138 412 V16.1.0 (2020-11)	5G; NG-RAN; NG signalling transport (3GPP TS 38.412 version 16.1.0 Release 16)
247	ETSI TS 138 412 V15.5.0 (2020-11)	5G; NG-RAN; NG signalling transport (3GPP TS 38.412 version 15.5.0 Release 15)
248	ETSI TS 138 413 V16.3.0 (2020-11)	5G; NG-RAN; NG Application Protocol (NGAP) (3GPP TS 38.413 version 16.3.0 Release 16)
249	ETSI TS 138 413 V15.9.0 (2020-11)	5G; NG-RAN; NG Application Protocol (NGAP) (3GPP TS 38.413 version 15.9.0 Release 15)
250	ETSI TS 138 415 V16.2.0 (2020-11)	5G; NG-RAN; PDU session user plane protocol (3GPP TS 38.415 version 16.2.0 Release 16)
251	ETSI TS 138 423 V16.3.0 (2020-11)	5G; NG-RAN; Xn Application Protocol (XnAP) (3GPP TS 38.423 version 16.3.0 Release 16)
252	ETSI TS 138 423 V15.9.0 (2020-11)	5G; NG-RAN; Xn Application Protocol (XnAP) (3GPP TS 38.423 version 15.9.0 Release 15)
253	ETSI TS 138 425 V16.2.0 (2020-11)	5G; NG-RAN; NR user plane protocol (3GPP TS 38.425 version 16.2.0 Release 16)
254	ETSI TS 138 425 V15.7.0 (2020-11)	5G; NG-RAN; NR user plane protocol (3GPP TS 38.425 version 15.7.0 Release 15)
255	ETSI TS 138 455 V16.1.0 (2020-11)	5G; NG-RAN; NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 16.1.0 Release 16)
256	ETSI TS 138 462 V16.1.0 (2020-11)	5G; NG-RAN; E1 signalling transport (3GPP TS 38.462 version 16.1.0 Release 16)
257	ETSI TS 138 462 V15.7.0 (2020-11)	5G; NG-RAN; E1 signalling transport (3GPP TS 38.462 version 15.7.0 Release 15)

258	ETSI TS 138 463 V15.8.0 (2020-11)	5G; NG-RAN; E1 Application Protocol (E1AP) (3GPP TS 38.463 version 15.8.0 Release 15)
259	ETSI TS 138 463 V16.3.0 (2020-11)	5G; NG-RAN; E1 Application Protocol (E1AP) (3GPP TS 38.463 version 16.3.0 Release 16)
260	ETSI TS 138 470 V16.3.0 (2020-11)	5G; NG-RAN; F1 general aspects and principles (3GPP TS 38.470 version 16.3.0 Release 16)
261	ETSI TS 138 472 V16.1.0 (2020-11)	5G; NG-RAN; F1 signalling transport (3GPP TS 38.472 version 16.1.0 Release 16)
262	ETSI TS 138 472 V15.7.0 (2020-11)	5G; NG-RAN; F1 signalling transport (3GPP TS 38.472 version 15.7.0 Release 15)
263	ETSI TS 138 473 V15.11.1 (2020-11)	5G; NG-RAN; F1 Application Protocol (F1AP) (3GPP TS 38.473 version 15.11.1 Release 15)
264	ETSI TS 138 473 V16.3.1 (2020-11)	5G; NG-RAN; F1 Application Protocol (F1AP) (3GPP TS 38.473 version 16.3.1 Release 16)
265	ETSI TS 138 508-2 V16.5.0 (2020-11)	5G; 5GS; User Equipment (UE) conformance specification; Part 2: Common Implementation Conformance Statement (ICS) proforma (3GPP TS 38.508-2 version 16.5.0 Release 16)
266	ETSI TS 138 509 V15.9.0 (2020-11)	5G; 5GS; Special conformance testing functions for User Equipment (UE) (3GPP TS 38.509 version 15.9.0 Release 15)
267	ETSI TS 138 523-2 V16.5.0 (2020-11)	5G; 5GS; User Equipment (UE) conformance specification; Part 2: Applicability of protocol test cases (3GPP TS 38.523-2 version 16.5.0 Release 16)
268	ETSI TR 138 901 V16.1.0 (2020-11)	5G; Study on channel model for frequencies from 0.5 to 100 GHz (3GPP TR 38.901 version 16.1.0 Release 16)
269	ETSI TR 138 903 V16.5.0 (2020-11)	5G; NR; Derivation of test tolerances and measurement uncertainty for User Equipment (UE) conformance test cases (3GPP TR 38.903 version 16.5.0 Release 16)
270	ETSI TR 138 905 V16.5.0 (2020-11)	5G; NR; Derivation of test points for radio transmission and reception User Equipment (UE) conformance test cases (3GPP TR 38.905 version 16.5.0 Release 16)
271	ETSI TS 145 002 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Multiplexing and multiple access on the radio path (3GPP TS 45.002 version 16.1.0 Release 16)
272	ETSI TS 145 004 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Modulation (3GPP TS 45.004 version 16.0.0 Release 16)
273	ETSI TS 145 005 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Radio transmission and reception (3GPP TS 45.005 version 16.1.0 Release 16)
274	ETSI TS 145 008 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Radio subsystem link control (3GPP TS 45.008 version 16.0.0 Release 16)
275	ETSI TS 151 010-4 V15.3.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) conformance specification; Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (3GPP TS 51.010-4 version 15.3.0 Release 15)
276	ETSI TS 151 010-4 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) conformance specification; Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (3GPP TS 51.010-4 version 16.1.0 Release 16)
277	ETSI TS 151 013 V16.1.0 (2020-11)	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 16.1.0 Release 16)
278	ETSI TS 151 013 V15.1.0 (2020-11)	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 15.1.0 Release 15)
279	ETSI GR IP6 031 V1.1.1 (2020-11)	IPv6 Security, Cybersecurity, Blockchain
280	ETSI TS 103 300-3 V2.1.1 (2020-11)	Intelligent Transport Systems (ITS); Vulnerable Road Users (VRU) awareness; Part 3: Specification of VRU awareness basic service; Release 2
281	ETSI TS 103 569 V1.1.1 (2020-11)	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Study into extending the upper limit of the range of radiated emissions requirements up to 40 GHz
282	ETSI TR 103 685 V1.1.1 (2020-11)	Lawful Interception (LI); LI network function security
283	ETSI TS 118 119 V1.0.0 (2020-11)	oneM2M Abstract Test Suite and Implementation eXtra Information for Test (oneM2M TS-0019 version 1.0.0)
284	ETSI TR 121 900 V16.3.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Technical Specification Group working methods (3GPP TR 21.900 version 16.3.0 Release 16)
285	ETSI TR 121 905 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Vocabulary for 3GPP Specifications (3GPP TR 21.905 version 16.0.0 Release 16)
286	ETSI TS 122 125 V16.3.0 (2020-11)	5G; Unmanned Aerial System (UAS) support in 3GPP (3GPP TS 22.125 version 16.3.0 Release 16)

287	ETSI TS 122 179 V16.5.0 (2020-11)	LTE; 5G; Mission Critical Push to Talk (MCPTT); Stage 1 (3GPP TS 22.179 version 16.5.0 Release 16)
288	ETSI TS 122 186 V16.2.0 (2020-11)	5G; Service requirements for enhanced V2X scenarios (3GPP TS 22.186 version 16.2.0 Release 16)
289	ETSI TS 122 228 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1 (3GPP TS 22.228 version 16.1.0 Release 16)
290	ETSI TS 122 261 V16.13.0 (2020-11)	5G; Service requirements for the 5G system (3GPP TS 22.261 version 16.13.0 Release 16)
291	ETSI TS 122 262 V16.0.0 (2020-11)	5G; Message service within the 5G System (5GS); Stage 1 (3GPP TS 22.262 version 16.0.0 Release 16)
292	ETSI TS 122 268 V16.4.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Public Warning System (PWS) requirements (3GPP TS 22.268 version 16.4.0 Release 16)
293	ETSI TS 122 278 V16.2.0 (2020-11)	LTE; Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 16.2.0 Release 16)
294	ETSI TS 122 281 V16.0.0 (2020-11)	LTE; 5G; Mission Critical (MC) video (3GPP TS 22.281 version 16.0.0 Release 16)
295	ETSI TS 122 282 V16.4.0 (2020-11)	LTE; 5G; Mission Critical (MC) data (3GPP TS 22.282 version 16.4.0 Release 16)
296	ETSI TS 122 289 V16.1.0 (2020-11)	LTE; 5G; Mobile communication system for railways (3GPP TS 22.289 version 16.1.0 Release 16)
297	ETSI TS 122 468 V16.0.0 (2020-11)	LTE; 5G; Group Communication System Enablers (GCSE) (3GPP TS 22.468 version 16.0.0 Release 16)
298	ETSI TR 122 904 V16.1.0 (2020-11)	5G; Study on user-centric identifiers and authentication (3GPP TR 22.904 version 16.1.0 Release 16)
299	ETSI TR 122 953 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia priority service feasibility study (3GPP TR 22.953 version 16.0.0 Release 16)
300	ETSI TS 123 007 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Restoration procedures (3GPP TS 23.007 version 16.1.0 Release 16)
301	ETSI TS 123 008 V16.3.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Organization of subscriber data (3GPP TS 23.008 version 16.3.0 Release 16)
302	ETSI TS 123 015 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Technical realization of Operator Determined Barring (ODB) (3GPP TS 23.015 version 16.0.0 Release 16)
303	ETSI TS 123 060 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Service description; Stage 2 (3GPP TS 23.060 version 16.0.0 Release 16)
304	ETSI TS 123 203 V16.2.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Policy and charging control architecture (3GPP TS 23.203 version 16.2.0 Release 16)
305	ETSI TS 123 204 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Support of Short Message Service (SMS) over generic 3GPP Internet Protocol (IP) access; Stage 2 (3GPP TS 23.204 version 16.0.0 Release 16)
306	ETSI TS 123 216 V16.4.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Single Radio Voice Call Continuity (SRVCC); Stage 2 (3GPP TS 23.216 version 16.4.0 Release 16)
307	ETSI TS 123 221 V16.2.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Architectural requirements (3GPP TS 23.221 version 16.2.0 Release 16)
308	ETSI TS 123 280 V16.5.0 (2020-11)	LTE; Common functional architecture to support mission critical services; Stage 2 (3GPP TS 23.280 version 16.5.0 Release 16)
309	ETSI TS 123 281 V16.3.0 (2020-11)	LTE; Functional architecture and information flows to support Mission Critical Video (MCVideo); Stage 2 (3GPP TS 23.281 version 16.3.0 Release 16)
310	ETSI TS 123 333 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 16.0.0 Release 16)
311	ETSI TS 123 334 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW) interface: Procedures descriptions (3GPP TS 23.334 version 16.1.0 Release 16)
312	ETSI TS 123 380 V16.2.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IMS Restoration Procedures (3GPP TS 23.380 version 16.2.0 Release 16)

313	ETSI TS 123 402 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Architecture enhancements for non-3GPP accesses (3GPP TS 23.402 version 16.0.0 Release 16)
314	ETSI TS 123 479 V16.0.0 (2020-11)	LTE; UE MBMS APIs for Mission Critical Services (3GPP TS 23.479 version 16.0.0 Release 16)
315	ETSI TR 123 973 V16.1.0 (2020-11)	LTE; 5G; User data interworking, coexistence and migration (3GPP TR 23.973 version 16.1.0 Release 16)
316	ETSI TS 124 002 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; GSM - UMTS Public Land Mobile Network (PLMN) Access Reference Configuration (3GPP TS 24.002 version 16.0.0 Release 16)
317	ETSI TS 124 147 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3 (3GPP TS 24.147 version 16.0.0 Release 16)
318	ETSI TS 124 166 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3GPP IP Multimedia Subsystem (IMS) conferencing Management Object (MO) (3GPP TS 24.166 version 16.0.0 Release 16)
319	ETSI TS 124 167 V16.2.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; 3GPP IMS Management Object (MO); Stage 3 (3GPP TS 24.167 version 16.2.0 Release 16)
320	ETSI TS 124 173 V16.2.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; IMS Multimedia telephony communication service and supplementary services; Stage 3 (3GPP TS 24.173 version 16.2.0 Release 16)
321	ETSI TS 124 175 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Management Object (MO) for multi-device and multi-identity in the IP Multimedia Subsystem (IMS) (3GPP TS 24.175 version 16.0.0 Release 16)
322	ETSI TS 124 196 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Enhanced Calling Name (eCNAM) (3GPP TS 24.196 version 16.0.0 Release 16)
323	ETSI TS 124 239 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Flexible Alerting (FA) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.239 version 16.0.0 Release 16)
324	ETSI TS 124 275 V16.0.0 (2020-11)	LTE; Management Object (MO) for Basic Communication Part (BCP) of IMS Multimedia Telephony (MMTEL) communication service (3GPP TS 24.275 version 16.0.0 Release 16)
325	ETSI TS 124 305 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Selective Disabling of 3GPP User Equipment Capabilities (SDoUE) Management Object (MO) (3GPP TS 24.305 version 16.0.0 Release 16)
326	ETSI TS 124 333 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Proximity-services (ProSe) Management Objects (MO) (3GPP TS 24.333 version 16.0.0 Release 16)
327	ETSI TS 124 341 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Support of SMS over IP networks; Stage 3 (3GPP TS 24.341 version 16.0.0 Release 16)
328	ETSI TS 124 391 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Unstructured Supplementary Service Data (USSD) using IP Multimedia (IM) Core Network (CN) subsystem (IMS) Management Object (MO) (3GPP TS 24.391 version 16.0.0 Release 16)
329	ETSI TS 124 417 V16.0.0 (2020-11)	LTE; Management Object (MO) for Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem (3GPP TS 24.417 version 16.0.0 Release 16)
330	ETSI TS 124 424 V16.1.0 (2020-11)	LTE; 5G; Management Object (MO) for Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services (SS) (3GPP TS 24.424 version 16.1.0 Release 16)
331	ETSI TS 124 604 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Communication Diversion (CDIV) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.604 version 16.0.0 Release 16)
332	ETSI TS 124 605 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Conference (CONF) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.605 version 16.0.0 Release 16)
333	ETSI TS 124 606 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Message Waiting Indication (MWI) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.606 version 16.0.0 Release 16)

334	ETSI TS 124 607 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.607 version 16.0.0 Release 16)
335	ETSI TS 124 608 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.608 version 16.0.0 Release 16)
336	ETSI TS 124 610 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Communication HOLD (HOLD) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.610 version 16.0.0 Release 16)
337	ETSI TS 124 611 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.611 version 16.0.0 Release 16)
338	ETSI TS 124 615 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Communication Waiting (CW) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol Specification (3GPP TS 24.615 version 16.0.0 Release 16)
339	ETSI TS 124 616 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Malicious Communication Identification (MCID) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.616 version 16.0.0 Release 16)
340	ETSI TS 124 623 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services (3GPP TS 24.623 version 16.1.0 Release 16)
341	ETSI TS 124 629 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Explicit Communication Transfer (ECT) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.629 version 16.0.0 Release 16)
342	ETSI TS 124 642 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Completion of Communications to Busy Subscriber (CCBS) and Completion of Communications by No Reply (CCNR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.642 version 16.0.0 Release 16)
343	ETSI TS 124 647 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Advice Of Charge (AOC) using IP Multimedia (IM) Core Network (CN) subsystem (3GPP TS 24.647 version 16.0.0 Release 16)
344	ETSI TS 124 654 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem, Protocol Specification (3GPP TS 24.654 version 16.0.0 Release 16)
345	ETSI TS 125 101 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (FDD) (3GPP TS 25.101 version 16.1.0 Release 16)
346	ETSI TS 125 104 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); Base Station (BS) radio transmission and reception (FDD) (3GPP TS 25.104 version 16.0.0 Release 16)
347	ETSI TS 125 123 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (TDD) (3GPP TS 25.123 version 16.0.0 Release 16)
348	ETSI TS 125 133 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (FDD) (3GPP TS 25.133 version 16.0.0 Release 16)
349	ETSI TS 125 141 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); Base Station (BS) conformance testing (FDD) (3GPP TS 25.141 version 16.0.0 Release 16)
350	ETSI TS 125 331 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); Radio Resource Control (RRC); Protocol specification (3GPP TS 25.331 version 16.1.0 Release 16)
351	ETSI TS 125 331 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); Radio Resource Control (RRC); Protocol specification (3GPP TS 25.331 version 16.0.0 Release 16)
352	ETSI TS 125 413 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling (3GPP TS 25.413 version 16.0.0 Release 16)

353	ETSI TS 126 103 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Speech codec list for GSM and UMTS (3GPP TS 26.103 version 16.0.0 Release 16)
354	ETSI TS 126 104 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec (3GPP TS 26.104 version 16.0.0 Release 16)
355	ETSI TS 126 117 V16.0.0 (2020-11)	5G; 5G Media Streaming (5GMS); Speech and audio profiles (3GPP TS 26.117 version 16.0.0 Release 16)
356	ETSI TS 126 131 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Terminal acoustic characteristics for telephony; Requirements (3GPP TS 26.131 version 16.0.0 Release 16)
357	ETSI TS 126 132 V16.2.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech and video telephony terminal acoustic test specification (3GPP TS 26.132 version 16.2.0 Release 16)
358	ETSI TS 126 139 V16.0.0 (2020-11)	LTE; 5G; Real-time Transport Protocol (RTP) / RTP Control Protocol (RTCP) verification procedures (3GPP TS 26.139 version 16.0.0 Release 16)
359	ETSI TS 126 179 V16.0.0 (2020-11)	LTE; Mission Critical Push To Talk (MCPTT); Codecs and media handling (3GPP TS 26.179 version 16.0.0 Release 16)
360	ETSI TS 126 204 V16.0.0 (2020-11)	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; ANSI-C code (3GPP TS 26.204 version 16.0.0 Release 16)
361	ETSI TS 126 446 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Adaptive Multi-Rate - Wideband (AMR-WB) backward compatible functions (3GPP TS 26.446 version 16.0.0 Release 16)
362	ETSI TS 126 448 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Jitter Buffer Management (3GPP TS 26.448 version 16.0.0 Release 16)
363	ETSI TS 126 449 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Comfort Noise Generation (CNG) aspects (3GPP TS 26.449 version 16.0.0 Release 16)
364	ETSI TS 126 450 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Discontinuous Transmission (DTX) (3GPP TS 26.450 version 16.0.0 Release 16)
365	ETSI TS 126 452 V16.2.1 (2020-11)	5G; Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); ANSI C code; Alternative fixed-point using updated basic operators (3GPP TS 26.452 version 16.2.1 Release 16)
366	ETSI TS 126 453 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Speech codec frame structure (3GPP TS 26.453 version 16.0.0 Release 16)
367	ETSI TS 126 454 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Interface to lu, Uu, Nb and Mb (3GPP TS 26.454 version 16.0.0 Release 16)
368	ETSI TR 126 910 V16.0.0 (2020-11)	LTE; 5G; Study on media handling aspects of Radio Access Network (RAN) delay budget reporting in Multimedia Telephony Service for Internet Protocol (IP) Multimedia Subsystem (IMS) (MTSI) (3GPP TR 26.910 version 16.0.0 Release 16)
369	ETSI TR 126 918 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Virtual Reality (VR) media services over 3GPP (3GPP TR 26.918 version 16.0.0 Release 16)
370	ETSI TR 126 919 V16.2.0 (2020-11)	5G; Study on media handling aspects of conversational services in 5G systems (3GPP TR 26.919 version 16.2.0 Release 16)
371	ETSI TR 126 921 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Investigations on ambient noise reproduction systems for acoustic testing of terminals (3GPP TR 26.921 version 16.0.0 Release 16)
372	ETSI TR 126 925 V16.0.0 (2020-11)	5G; Typical traffic characteristics of media services on 3GPP networks (3GPP TR 26.925 version 16.0.0 Release 16)
373	ETSI TR 126 928 V16.0.0 (2020-11)	5G; Extended Reality (XR) in 5G (3GPP TR 26.928 version 16.0.0 Release 16)
374	ETSI TR 126 929 V16.1.0 (2020-11)	5G; QoE parameters and metrics relevant to the Virtual Reality (VR) user experience (3GPP TR 26.929 version 16.1.0 Release 16)
375	ETSI TR 126 939 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Guidelines on the Framework for Live Uplink Streaming (FLUS) (3GPP TR 26.939 version 16.1.0 Release 16)
376	ETSI TR 126 952 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Performance characterization (3GPP TR 26.952 version 16.1.0 Release 16)
377	ETSI TR 126 959 V16.0.0 (2020-11)	5G; Study on enhanced Voice over LTE (VoLTE) performance (3GPP TR 26.959 version 16.0.0 Release 16)
378	ETSI TR 126 985 V16.0.0 (2020-11)	5G; Vehicle-to-everything (V2X); Media handling and interaction (3GPP TR 26.985 version 16.0.0 Release 16)

379	ETSI TS 128 311 V16.0.0 (2020-11)	5G; LTE; Management and orchestration; Network policy management for mobile networks based on Network Function Virtualization (NFV) scenarios (3GPP TS 28.311 version 16.0.0 Release 16)
380	ETSI TS 128 404 V16.2.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Quality of Experience (QoE) measurement collection; Concepts, use cases and requirements (3GPP TS 28.404 version 16.2.0 Release 16)
381	ETSI TS 128 537 V16.0.0 (2020-11)	5G; Management and orchestration; Management capabilities (3GPP TS 28.537 version 16.0.0 Release 16)
382	ETSI TS 128 540 V16.2.0 (2020-11)	5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 1 (3GPP TS 28.540 version 16.2.0 Release 16)
383	ETSI TS 128 659 V16.2.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.659 version 16.2.0 Release 16)
384	ETSI TS 129 002 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile Application Part (MAP) specification (3GPP TS 29.002 version 16.0.0 Release 16)
385	ETSI TS 129 060 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface (3GPP TS 29.060 version 16.0.0 Release 16)
386	ETSI TS 129 128 V16.1.0 (2020-11)	LTE; Universal Mobile Telecommunications System (UMTS); Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) interfaces for interworking with packet data networks and applications (3GPP TS 29.128 version 16.1.0 Release 16)
387	ETSI TS 129 162 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Interworking between the IM CN subsystem and IP networks (3GPP TS 29.162 version 16.0.0 Release 16)
388	ETSI TS 129 163 V16.4.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (3GPP TS 29.163 version 16.4.0 Release 16)
389	ETSI TS 129 168 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Cell Broadcast Centre interfaces with the Evolved Packet Core; Stage 3 (3GPP TS 29.168 version 16.0.0 Release 16)
390	ETSI TS 129 228 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents (3GPP TS 29.228 version 16.1.0 Release 16)
391	ETSI TS 129 229 V16.2.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Cx and Dx interfaces based on the Diameter protocol; Protocol details (3GPP TS 29.229 version 16.2.0 Release 16)
392	ETSI TS 129 238 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Interconnection Border Control Functions (IBCF) - Transition Gateway (TrGW) interface, Ix interface; Stage 3 (3GPP TS 29.238 version 16.0.0 Release 16)
393	ETSI TS 129 250 V16.2.0 (2020-11)	LTE; Nu reference point between SCEF and PPDF for sponsored data connectivity (3GPP TS 29.250 version 16.2.0 Release 16)
394	ETSI TS 129 251 V16.2.0 (2020-11)	LTE; Gw and Gwn reference point for sponsored data connectivity (3GPP TS 29.251 version 16.2.0 Release 16)
395	ETSI TS 129 303 V16.3.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Domain Name System Procedures; Stage 3 (3GPP TS 29.303 version 16.3.0 Release 16)
396	ETSI TS 129 328 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia (IM) Subsystem Sh interface; Signalling flows and message contents (3GPP TS 29.328 version 16.1.0 Release 16)
397	ETSI TS 129 333 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3 (3GPP TS 29.333 version 16.0.0 Release 16)
398	ETSI TS 129 334 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IMS Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW); Iq Interface; Stage 3 (3GPP TS 29.334 version 16.1.0 Release 16)
399	ETSI TS 129 336 V16.2.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Home Subscriber Server (HSS) diameter interfaces for interworking with packet data networks and applications (3GPP TS 29.336 version 16.2.0 Release 16)

400	ETSI TS 129 380 V16.0.0 (2020-11)	LTE; 5G; Mission Critical Push To Talk (MCPTT) media plane control interworking with Land Mobile Radio (LMR) systems; Stage 3 (3GPP TS 29.380 version 16.0.0 Release 16)
401	ETSI TS 129 388 V16.0.0 (2020-11)	LTE; V2X Control Function to Home Subscriber Server (HSS) aspects (V4); Stage 3 (3GPP TS 29.388 version 16.0.0 Release 16)
402	ETSI TS 129 389 V16.0.0 (2020-11)	LTE; Inter-V2X Control Function Signalling aspects (V6); Stage 3 (3GPP TS 29.389 version 16.0.0 Release 16)
403	ETSI TS 129 413 V15.5.0 (2020-11)	5G; Application of the NG Application Protocol (NGAP) to non-3GPP access (3GPP TS 29.413 version 15.5.0 Release 15)
404	ETSI TS 129 413 V16.1.0 (2020-11)	5G; Application of the NG Application Protocol (NGAP) to non-3GPP access (3GPP TS 29.413 version 16.1.0 Release 16)
405	ETSI TS 131 115 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications (3GPP TS 31.115 version 16.0.0 Release 16)
406	ETSI TS 132 156 V16.4.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Fixed Mobile Convergence (FMC) model repertoire (3GPP TS 32.156 version 16.4.0 Release 16)
407	ETSI TS 132 240 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Charging architecture and principles (3GPP TS 32.240 version 16.1.0 Release 16)
408	ETSI TS 132 251 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Packet Switched (PS) domain charging (3GPP TS 32.251 version 16.0.0 Release 16)
409	ETSI TS 132 260 V16.2.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging (3GPP TS 32.260 version 16.2.0 Release 16)
410	ETSI TS 132 275 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; MultiMedia Telephony (MMTel) charging (3GPP TS 32.275 version 16.1.0 Release 16)
411	ETSI TS 132 281 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Announcement service (3GPP TS 32.281 version 16.1.0 Release 16)
412	ETSI TS 132 299 V16.2.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Diameter charging applications (3GPP TS 32.299 version 16.2.0 Release 16)
413	ETSI TS 132 421 V16.1.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements (3GPP TS 32.421 version 16.1.0 Release 16)
414	ETSI TS 132 425 V16.5.0 (2020-11)	LTE; Telecommunication management; Performance Management (PM); Performance measurements Evolved Universal Terrestrial Radio Access Network (E-UTRAN) (3GPP TS 32.425 version 16.5.0 Release 16)
415	ETSI TS 132 451 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Key Performance Indicators (KPI) for Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Requirements (3GPP TS 32.451 version 16.0.0 Release 16)
416	ETSI TS 132 511 V16.0.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Automatic Neighbour Relation (ANR) management; Concepts and requirements (3GPP TS 32.511 version 16.0.0 Release 16)
417	ETSI TR 132 972 V16.1.0 (2020-11)	5G; Telecommunication management; Study on system and functional aspects of energy efficiency in 5G networks (3GPP TR 32.972 version 16.1.0 Release 16)
418	ETSI TS 133 126 V16.2.0 (2020-11)	LTE; 5G; Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Lawful Interception requirements (3GPP TS 33.126 version 16.2.0 Release 16)
419	ETSI TS 133 163 V16.2.0 (2020-11)	LTE; 5G; Battery Efficient Security for very low throughput Machine Type Communication (MTC) devices (BEST) (3GPP TS 33.163 version 16.2.0 Release 16)
420	ETSI TS 134 229-5 V15.1.0 (2020-11)	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 15.1.0 Release 15)
421	ETSI TS 136 104 V16.7.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 16.7.0 Release 16)
422	ETSI TS 136 141 V16.7.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 16.7.0 Release 16)

423	ETSI TS 136 141 V15.10.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 15.10.0 Release 15)
424	ETSI TS 136 212 V16.3.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding (3GPP TS 36.212 version 16.3.0 Release 16)
425	ETSI TS 136 212 V15.11.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding (3GPP TS 36.212 version 15.11.0 Release 15)
426	ETSI TS 136 212 V14.14.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding (3GPP TS 36.212 version 14.14.0 Release 14)
427	ETSI TS 136 300 V16.3.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Overall description; Stage 2 (3GPP TS 36.300 version 16.3.0 Release 16)
428	ETSI TS 136 300 V15.11.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Overall description; Stage 2 (3GPP TS 36.300 version 15.11.0 Release 15)
429	ETSI TS 136 304 V15.7.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 15.7.0 Release 15)
430	ETSI TS 136 304 V16.2.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 16.2.0 Release 16)
431	ETSI TS 136 305 V16.2.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Stage 2 functional specification of User Equipment (UE) positioning in E-UTRAN (3GPP TS 36.305 version 16.2.0 Release 16)
432	ETSI TS 136 306 V16.2.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 16.2.0 Release 16)
433	ETSI TS 136 321 V15.10.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 15.10.0 Release 15)
434	ETSI TS 136 321 V16.2.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 16.2.0 Release 16)
435	ETSI TS 136 321 V14.13.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 14.13.0 Release 14)
436	ETSI TS 136 331 V14.15.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 14.15.0 Release 14)
437	ETSI TS 136 331 V13.16.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 13.16.0 Release 13)
438	ETSI TS 136 331 V12.19.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 12.19.0 Release 12)
439	ETSI TS 136 331 V15.11.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 15.11.0 Release 15)
440	ETSI TS 136 331 V16.2.1 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 16.2.1 Release 16)
441	ETSI TS 136 413 V16.3.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 16.3.0 Release 16)
442	ETSI TS 136 413 V15.10.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 15.10.0 Release 15)
443	ETSI TS 136 422 V16.1.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 signalling transport (3GPP TS 36.422 version 16.1.0 Release 16)
444	ETSI TS 136 423 V16.3.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 Application Protocol (X2AP) (3GPP TS 36.423 version 16.3.0 Release 16)
445	ETSI TS 136 423 V15.11.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 Application Protocol (X2AP) (3GPP TS 36.423 version 15.11.0 Release 15)
446	ETSI TS 136 455 V16.1.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol A (LPPa) (3GPP TS 36.455 version 16.1.0 Release 16)
447	ETSI TS 136 508 V16.6.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Common test environments for User Equipment (UE) conformance testing (3GPP TS 36.508 version 16.6.0 Release 16)
448	ETSI TS 136 521-2 V16.6.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Implementation Conformance Statement (ICS) (3GPP TS 36.521-2 version 16.6.0 Release 16)
449	ETSI TS 136 523-2 V16.6.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.523-2 version 16.6.0 Release 16)

450	ETSI TR 136 762 V16.0.0 (2020-11)	LTE; 410 – 430 MHz Evolved Universal Terrestrial Radio Access (E-UTRA) Frequency Division Duplex (FDD) Band(s) for LTE Public Protection and Disaster Relief (PPDR) and Professional Mobile Radio (PMR) / Public Access Mobile Radio (PAMR) in Europe (3GPP TR 36.762 version 16.0.0 Release 16)
451	ETSI TR 136 776 V16.0.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Study on LTE-based 5G terrestrial broadcast (3GPP TR 36.776 version 16.0.0 Release 16)
452	ETSI TR 136 976 V16.0.0 (2020-11)	LTE; Overall description of LTE-based 5G broadcast (3GPP TR 36.976 version 16.0.0 Release 16)
453	ETSI TS 137 104 V16.7.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 16.7.0 Release 16)
454	ETSI TS 137 105 V14.7.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 14.7.0 Release 14)
455	ETSI TS 137 105 V15.10.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 15.10.0 Release 15)
456	ETSI TS 137 105 V16.5.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 16.5.0 Release 16)
457	ETSI TS 137 105 V13.11.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 13.11.0 Release 13)
458	ETSI TS 137 106 V15.1.0 (2020-11)	LTE; User Equipment (UE) requirements for shared spectrum channel access (3GPP TS 37.106 version 15.1.0 Release 15)
459	ETSI TS 137 106 V16.1.0 (2020-11)	LTE; User Equipment (UE) requirements for shared spectrum channel access (3GPP TS 37.106 version 16.1.0 Release 16)
460	ETSI TS 137 107 V15.3.0 (2020-11)	LTE; Base Station (BS) requirements and conformance tests for shared spectrum channel access (3GPP TS 37.107 version 15.3.0 Release 15)
461	ETSI TS 137 107 V16.1.0 (2020-11)	LTE; Base Station (BS) requirements and conformance tests for shared spectrum channel access (3GPP TS 37.107 version 16.1.0 Release 16)
462	ETSI TS 137 141 V13.14.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 13.14.0 Release 13)
463	ETSI TS 137 141 V16.7.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 16.7.0 Release 16)
464	ETSI TS 137 141 V15.12.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 15.12.0 Release 15)
465	ETSI TS 137 141 V14.12.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 14.12.0 Release 14)
466	ETSI TS 137 171 V13.2.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA); User Equipment (UE) performance requirements for Radio Access Technology (RAT) Independent Positioning Enhancements (3GPP TS 37.171 version 13.2.0 Release 13)
467	ETSI TS 137 171 V15.4.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA); User Equipment (UE) performance requirements for Radio Access Technology (RAT) Independent Positioning Enhancements (3GPP TS 37.171 version 15.4.0 Release 15)
468	ETSI TS 137 171 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA); User Equipment (UE) performance requirements for Radio Access Technology (RAT) Independent Positioning Enhancements (3GPP TS 37.171 version 16.1.0 Release 16)
469	ETSI TS 137 171 V14.7.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA); User Equipment (UE) performance requirements for Radio Access Technology (RAT) Independent Positioning Enhancements (3GPP TS 37.171 version 14.7.0 Release 14)
470	ETSI TS 137 213 V16.3.0 (2020-11)	LTE; 5G; Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 16.3.0 Release 16)

471	ETSI TS 137 320 V16.2.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Universal Terrestrial Radio Access (UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRA); Radio measurement collection for Minimization of Drive Tests (MDT); Overall description; Stage 2 (3GPP TS 37.320 version 16.2.0 Release 16)
472	ETSI TS 137 324 V16.2.0 (2020-11)	LTE; 5G; Evolved Universal Terrestrial Radio Access (E-UTRA) and NR; Service Data Adaptation Protocol (SDAP) specification (3GPP TS 37.324 version 16.2.0 Release 16)
473	ETSI TS 137 340 V16.3.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR; Multi-connectivity; Overall description;
474	ETSI TS 137 340 V15.10.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR; Multi-connectivity; Overall description;
475	ETSI TS 137 355 V16.2.0 (2020-11)	LTE; 5G; LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 16.2.0 Release 16)
476	ETSI TS 137 472 V16.2.0 (2020-11)	LTE; 5G; W1 interface; Signalling transport (3GPP TS 37.472 version 16.2.0 Release 16)
477	ETSI TS 137 473 V16.3.0 (2020-11)	LTE; 5G; W1 interface; Application Protocol (W1AP) (3GPP TS 37.473 version 16.3.0 Release 16)
478	ETSI TS 137 571-5 V16.3.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; User Equipment (UE) conformance specification for UE positioning; Part 5: Test scenarios and assistance data (3GPP TS 37.571-5 version 16.3.0 Release 16)
479	ETSI TR 137 910 V16.1.0 (2020-11)	5G; Study on self evaluation towards IMT-2020 submission (3GPP TR 37.910 version 16.1.0 Release 16)
480	ETSI TS 138 113 V15.11.0 (2020-11)	5G; NR; Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 15.11.0 Release 15)
481	ETSI TS 138 113 V16.1.0 (2020-11)	5G; NR; Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 16.1.0 Release 16)
482	ETSI TS 138 124 V15.4.0 (2020-11)	5G; NR; Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 15.4.0 Release 15)
483	ETSI TS 138 124 V16.1.0 (2020-11)	5G; NR; Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 16.1.0 Release 16)
484	ETSI TS 138 202 V16.2.0 (2020-11)	5G; NR; Services provided by the physical layer (3GPP TS 38.202 version 16.2.0 Release 16)
485	ETSI TS 138 211 V16.3.0 (2020-11)	5G; NR; Physical channels and modulation (3GPP TS 38.211 version 16.3.0 Release 16)
486	ETSI TS 138 521-3 V16.5.0 (2020-11)	5G; NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.521-3 version 16.5.0 Release 16)
487	ETSI SR 000 314 V2.28.1 (2020-11)	Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards
488	ETSI EN 303 135 V2.2.1 (2020-11)	Coastal Surveillance, Vessel Traffic Services and Harbour Radars (CS/VTS/HR); Harmonised Standard for access to radio spectrum
489	ETSI GR NFV-REL 011 V4.1.1 (2020-11)	Network Functions Virtualisation (NFV) Release 4; Management and Orchestration; Report on NFV-MANO software modification
490	ETSI TR 103 702 V1.1.1 (2020-11)	Speech and multimedia Transmission Quality (STQ); QoS parameters and test scenarios for assessing network capabilities in 5G performance measurements
491	ETSI TS 103 723 V1.2.1 (2020-11)	Intelligent Transport Systems (ITS); Profile for LTE-V2X Direct Communication
492	ETSI TS 103 801 V1.1.1 (2020-11)	Speech and multimedia Transmission Quality (STQ); Subjective test methodologies for the evaluation of echo control systems
493	ETSI TS 110 174-2-2 V1.2.1 (2020-11)	Access, Terminals, Transmission and Multiplexing (ATTM); Sustainable Digital Multiservice Communities; Broadband Deployment and Energy Management; Part 2: Multiservice Networking Infrastructure and Associated Street Furniture; Sub-part 2: The use of lamp-posts for hosting sensing devices and 5G networking
494	ETSI TR 118 551 V2.0.0 (2020-11)	oneM2M API guide (oneM2M TR-0051 version 2.0.0)
495	ETSI TS 125 306 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); UE Radio Access capabilities (3GPP TS 25.306 version 16.1.0 Release 16)
496	ETSI TS 126 430 V16.0.2 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Timed graphics (3GPP TS 26.430 version 16.0.2 Release 16)
497	ETSI TS 128 541 V16.6.2 (2020-11)	5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3 (3GPP TS 28.541 version 16.6.2 Release 16)
498	ETSI TS 129 510 V16.5.0 (2020-11)	5G; 5G System; Network function repository services; Stage 3 (3GPP TS 29.510 version 16.5.0 Release 16)
499	ETSI TS 129 562 V16.2.1 (2020-11)	5G; 5G System; Home Subscriber Server (HSS) services for interworking with the IP Multimedia Subsystem (IMS); Stage 3 (3GPP TS 29.562 version 16.2.1 Release 16)
500	ETSI TS 133 535 V16.1.0 (2020-11)	5G; Authentication and Key Management for Applications (AKMA) based on 3GPP credentials in the 5G System (5GS) (3GPP TS 33.535 version 16.1.0 Release 16)

501	ETSI TS 134 121-1 V16.2.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); User Equipment (UE) conformance specification; Radio transmission and reception (FDD); Part 1: Conformance specification (3GPP TS 34.121-1 version 16.2.0 Release 16)
502	ETSI TS 136 211 V15.11.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical channels and modulation (3GPP TS 36.211 version 15.11.0 Release 15)
503	ETSI TS 136 211 V16.3.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical channels and modulation (3GPP TS 36.211 version 16.3.0 Release 16)
504	ETSI TS 136 213 V14.16.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer procedures (3GPP TS 36.213 version 14.16.0 Release 14)
505	ETSI TS 136 213 V15.11.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer procedures (3GPP TS 36.213 version 15.11.0 Release 15)
506	ETSI TS 136 213 V16.3.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer procedures (3GPP TS 36.213 version 16.3.0 Release 16)
507	ETSI TS 136 521-3 V16.6.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Radio Resource Management (RRM) conformance testing (3GPP TS 36.521-3 version 16.6.0 Release 16)
508	ETSI TS 136 523-1 V16.6.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification (3GPP TS 36.523-1 version 16.6.0 Release 16)
509	ETSI TS 136 523-3 V16.6.0 (2020-11)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 3: Test suites (3GPP TS 36.523-3 version 16.6.0 Release 16)
510	ETSI TS 136 579-1 V14.8.0 (2020-11)	LTE; Mission Critical (MC) services over LTE; Part 1: Common test environment (3GPP TS 36.579-1 version 14.8.0 Release 14)
511	ETSI TS 136 579-2 V14.8.0 (2020-11)	LTE; Mission Critical (MC) services over LTE; Part 2: Mission Critical Push To Talk (MCPTT) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-2 version 14.8.0 Release 14)
512	ETSI TS 136 579-6 V14.0.0 (2020-11)	LTE; Mission Critical (MC) services over LTE; Part 6: Mission Critical Video (MCVideo) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-6 version 14.0.0 Release 14)
513	ETSI TS 136 579-7 V14.0.0 (2020-11)	LTE; Mission Critical (MC) services over LTE; Part 7: Mission Critical Data (MCData) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-7 version 14.0.0 Release 14)
514	ETSI TS 137 145-2 V15.8.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 15.8.0 Release 15)
515	ETSI TS 137 145-2 V16.5.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 16.5.0 Release 16)
516	ETSI TR 137 941 V15.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 15.1.0 Release 15)
517	ETSI TR 137 941 V16.1.0 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 16.1.0 Release 16)
518	ETSI TS 138 101-1 V15.11.0 (2020-11)	5G; NR; User Equipment (UE) radio transmission and reception; Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 15.11.0 Release 15)
519	ETSI TS 138 101-1 V16.5.0 (2020-11)	5G; NR; User Equipment (UE) radio transmission and reception; Part 1: Range 1 Standalone (3GPP TS 38.101-1 version 16.5.0 Release 16)
520	ETSI TS 138 101-2 V15.11.0 (2020-11)	5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 15.11.0 Release 15)
521	ETSI TS 138 101-2 V16.5.0 (2020-11)	5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 16.5.0 Release 16)
522	ETSI TS 138 101-3 V16.5.0 (2020-11)	5G; NR; User Equipment (UE) radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 16.5.0 Release 16)
523	ETSI TS 138 101-3 V15.11.0 (2020-11)	5G; NR; User Equipment (UE) radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 15.11.0 Release 15)
524	ETSI TS 138 101-4 V16.2.0 (2020-11)	5G; NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements (3GPP TS 38.101-4 version 16.2.0 Release 16)
525	ETSI TS 138 101-4 V15.7.0 (2020-11)	5G; NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements (3GPP TS 38.101-4 version 15.7.0 Release 15)
526	ETSI TS 138 104 V16.5.0 (2020-11)	5G; NR; Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 16.5.0 Release 16)
527	ETSI TS 138 104 V15.11.0 (2020-11)	5G; NR; Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 15.11.0 Release 15)
528	ETSI TS 138 141-1 V15.7.0 (2020-11)	5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 15.7.0 Release 15)

529	ETSI TS 138 141-1 V16.5.0 (2020-11)	5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 16.5.0 Release 16)
530	ETSI TS 138 141-2 V16.5.0 (2020-11)	5G; NR; Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 16.5.0 Release 16)
531	ETSI TS 138 141-2 V15.7.0 (2020-11)	5G; NR; Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 15.7.0 Release 15)
532	ETSI TS 138 174 V16.0.0 (2020-11)	5G; NR; Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 16.0.0 Release 16)
533	ETSI TS 138 175 V16.0.0 (2020-11)	5G; NR; Integrated Access and Backhaul (IAB) Electromagnetic Compatibility (EMC) (3GPP TS 38.175 version 16.0.0 Release 16)
534	ETSI TS 138 521-4 V16.5.0 (2020-11)	5G; NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 4: Performance (3GPP TS 38.521-4 version 16.5.0 Release 16)
535	ETSI TS 138 522 V16.5.0 (2020-11)	5G; NR; User Equipment (UE) conformance specification; Applicability of radio transmission, radio reception and radio resource management test cases (3GPP TS 38.522 version 16.5.0 Release 16)
536	ETSI TS 146 007 V16.0.1 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Test sequences for the GSM half rate speech codec (3GPP TS 46.007 version 16.0.1 Release 16)
537	ETSI TS 146 021 V16.0.0 (2020-11)	Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels (3GPP TS 46.021 version 16.0.0 Release 16)
538	ETSI TS 103 465 V16.3.0 (2020-11)	Smart Cards; Smart Secure Platform (SSP); Requirements Specification (Release 16)
539	ETSI TR 103 630 V1.1.1 (2020-11)	Intelligent Transport Systems (ITS); Security; Pre-standardization Study on ITS Facility Layer Security for C-ITS Communication Using Cellular Uu Interface
540	ETSI TS 134 229-3 V15.6.1 (2020-11)	Universal Mobile Telecommunications System (UMTS); LTE; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 15.6.1 Release 15)
541	ETSI TS 138 521-2 V16.5.0 (2020-11)	5G; NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Range 2 standalone (3GPP TS 38.521-2 version 16.5.0 Release 16)
542	ETSI TS 138 523-1 V16.5.0 (2020-11)	5G; 5GS; User Equipment (UE) conformance specification; Part 1: Protocol (3GPP TS 38.523-1 version 16.5.0 Release 16)