

Nr.	Standard reference	Title
1	ETSI GS NFV-SOL 003 V4.4.1 (2023-04)	Network Functions Virtualisation (NFV) Release 4; Protocols and Data Models; RESTful protocols specification for the Or-Vnfm Reference Point
2	ETSI GS ZSM 007 V2.1.1 (2023-04)	Zero-touch network and Service Management (ZSM); Terminology for concepts in ZSM
3	ETSI GR mWT 028 V1.1.1 (2023-04)	New KPI's for planning microwave and millimeter wave backhaul network
4	ETSI TR 103 904 V1.1.1 (2023-04)	SmartM2M; SAREF extension investigation Requirements for the Smart Grid domain
5	ETSI TS 121 101 V14.2.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 14.2.0 Release 14)
6	ETSI TS 121 101 V15.1.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 15.1.0 Release 15)
7	ETSI TS 121 101 V16.1.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 16.1.0 Release 16)
8	ETSI TS 121 101 V17.1.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 17.1.0 Release 17)
9	ETSI TS 121 201 V14.2.0 (2023-04)	LTE; Technical Specifications and Technical Reports for an Evolved Packet System (EPS) based 3GPP system (3GPP TS 21.201 version 14.2.0 Release 14)
10	ETSI TS 121 201 V15.1.0 (2023-04)	LTE; Technical Specifications and Technical Reports for an Evolved Packet System (EPS) based 3GPP system (3GPP TS 21.201 version 15.1.0 Release 15)
11	ETSI TS 121 201 V16.1.0 (2023-04)	LTE; Technical Specifications and Technical Reports for an Evolved Packet System (EPS) based 3GPP system (3GPP TS 21.201 version 16.1.0 Release 16)
12	ETSI TS 121 201 V17.1.1 (2023-04)	LTE; Technical Specifications and Technical Reports for an Evolved Packet System (EPS) based 3GPP system (3GPP TS 21.201 version 17.1.1 Release 17)
13	ETSI TS 121 205 V15.1.0 (2023-04)	5G; Technical Specifications and Technical Reports for a 5G based 3GPP system (3GPP TS 21.205 version 15.1.0 Release 15)
14	ETSI TS 121 205 V16.1.0 (2023-04)	5G; Technical Specifications and Technical Reports for a 5G based 3GPP system (3GPP TS 21.205 version 16.1.0 Release 16)
15	ETSI TS 121 205 V17.1.0 (2023-04)	5G; Technical Specifications and Technical Reports for a 5G based 3GPP system (3GPP TS 21.205 version 17.1.0 Release 17)

16	ETSI TS 123 003 V16.11.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Numbering, addressing and identification (3GPP TS 23.003 version 16.11.0 Release 16)
17	ETSI TS 123 003 V17.9.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Numbering, addressing and identification (3GPP TS 23.003 version 17.9.0 Release 17)
18	ETSI TS 129 122 V16.15.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; T8 reference point for Northbound APIs (3GPP TS 29.122 version 16.15.0 Release 16)
19	ETSI TS 129 122 V17.9.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; T8 reference point for Northbound APIs (3GPP TS 29.122 version 17.9.0 Release 17)
20	ETSI TS 129 222 V15.13.0 (2023-04)	LTE; 5G; Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 15.13.0 Release 15)
21	ETSI TS 129 222 V16.11.0 (2023-04)	LTE; 5G; Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 16.11.0 Release 16)
22	ETSI TS 129 222 V17.8.0 (2023-04)	LTE; 5G; Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 17.8.0 Release 17)
23	ETSI TS 129 244 V16.11.0 (2023-04)	LTE; 5G; Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 16.11.0 Release 16)
24	ETSI TS 129 244 V17.8.0 (2023-04)	LTE; 5G; Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 17.8.0 Release 17)
25	ETSI TS 129 256 V17.4.0 (2023-04)	5G; Uncrewed Aerial Systems Network Function (UAS-NF); Aerial Management Services; Stage 3 (3GPP TS 29.256 version 17.4.0 Release 17)
26	ETSI TS 129 273 V17.6.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evolved Packet System (EPS); 3GPP EPS AAA interfaces (3GPP TS 29.273 version 17.6.0 Release 17)
27	ETSI TS 129 274 V17.8.0 (2023-04)	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 17.8.0 Release 17)
28	ETSI TS 129 500 V16.13.0 (2023-04)	5G; 5G System; Technical Realization of Service Based Architecture; Stage 3 (3GPP TS 29.500 version 16.13.0 Release 16)
29	ETSI TS 129 500 V17.10.0 (2023-04)	5G; 5G System; Technical Realization of Service Based Architecture; Stage 3 (3GPP TS 29.500 version 17.10.0 Release 17)
30	ETSI TS 129 502 V17.8.0 (2023-04)	5G; 5G System; Session Management Services; Stage 3 (3GPP TS 29.502 version 17.8.0 Release 17)
31	ETSI TS 129 503 V16.15.0 (2023-04)	5G; 5G System; Unified Data Management Services; Stage 3 (3GPP TS 29.503 version 16.15.0 Release 16)
32	ETSI TS 129 503 V17.10.0 (2023-04)	5G; 5G System; Unified Data Management Services; Stage 3 (3GPP TS 29.503 version 17.10.0 Release 17)
33	ETSI TS 129 504 V17.10.0 (2023-04)	5G; 5G System; Unified Data Repository Services; Stage 3 (3GPP TS 29.504 version 17.10.0 Release 17)

34	ETSI ES 201 873-6 V4.14.1 (2023-04)	Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 6: TTCN-3 Control Interface (TCI)
35	ETSI GS mWT 024 V1.2.1 (2023-04)	millimetre Wave Transmission (mWT); Definition of a Wireless Transport Profile for Standard SDN Northbound Interfaces
36	ETSI TS 129 507 V17.9.0 (2023-04)	5G; 5G System; Access and Mobility Policy Control Service; Stage 3 (3GPP TS 29.507 version 17.9.0 Release 17)
37	ETSI TS 129 508 V17.10.0 (2023-04)	5G; 5G System; Session Management Event Exposure Service; Stage 3 (3GPP TS 29.508 version 17.10.0 Release 17)
38	ETSI TS 129 510 V16.14.0 (2023-04)	5G; 5G System; Network function repository services; Stage 3 (3GPP TS 29.510 version 16.14.0 Release 16)
39	ETSI TS 129 510 V17.9.0 (2023-04)	5G; 5G System; Network function repository services; Stage 3 (3GPP TS 29.510 version 17.9.0 Release 17)
40	ETSI TS 129 512 V15.15.0 (2023-04)	5G; 5G System; Session Management Policy Control Service; Stage 3 (3GPP TS 29.512 version 15.15.0 Release 15)
41	ETSI TS 129 512 V16.16.0 (2023-04)	5G; 5G System; Session Management Policy Control Service; Stage 3 (3GPP TS 29.512 version 16.16.0 Release 16)
42	ETSI TS 129 512 V17.10.0 (2023-04)	5G; 5G System; Session Management Policy Control Service; Stage 3 (3GPP TS 29.512 version 17.10.0 Release 17)
43	ETSI TS 129 513 V17.10.0 (2023-04)	5G; 5G System; Policy and Charging Control signalling flows and QoS parameter mapping; Stage 3 (3GPP TS 29.513 version 17.10.0 Release 17)
44	ETSI TS 129 514 V16.16.0 (2023-04)	5G; 5G System; Policy Authorization Service; Stage 3 (3GPP TS 29.514 version 16.16.0 Release 16)
45	ETSI TS 129 514 V17.8.0 (2023-04)	5G; 5G System; Policy Authorization Service; Stage 3 (3GPP TS 29.514 version 17.8.0 Release 17)
46	ETSI TS 129 517 V17.9.0 (2023-04)	5G; 5G System; Application Function Event Exposure Service; Stage 3 (3GPP TS 29.517 version 17.9.0 Release 17)
47	ETSI TS 129 518 V16.15.0 (2023-04)	5G; 5G System; Access and Mobility Management Services; Stage 3 (3GPP TS 29.518 version 16.15.0 Release 16)
48	ETSI TS 129 518 V17.9.0 (2023-04)	5G; 5G System; Access and Mobility Management Services; Stage 3 (3GPP TS 29.518 version 17.9.0 Release 17)
49	ETSI TS 129 519 V15.11.0 (2023-04)	5G; 5G System; Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure; Stage 3 (3GPP TS 29.519 version 15.11.0 Release 15)
50	ETSI TS 129 519 V16.12.0 (2023-04)	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 16.12.0 Release 16)
51	ETSI TS 129 519 V17.10.0 (2023-04)	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 17.10.0 Release 17)
52	ETSI TS 129 520 V15.11.0 (2023-04)	5G; 5G System; Network Data Analytics Services; Stage 3 (3GPP TS 29.520 version 15.11.0 Release 15)
53	ETSI TS 129 520 V16.13.0 (2023-04)	5G; 5G System; Network Data Analytics Services; Stage 3 (3GPP TS 29.520 version 16.13.0 Release 16)

54	ETSI TS 129 520 V17.10.0 (2023-04)	5G; 5G System; Network Data Analytics Services; Stage 3 (3GPP TS 29.520 version 17.10.0 Release 17)
55	ETSI TS 129 521 V17.8.0 (2023-04)	5G; 5G System; Binding Support Management Service; Stage 3 (3GPP TS 29.521 version 17.8.0 Release 17)
56	ETSI TS 129 522 V17.9.0 (2023-04)	5G; 5G System; Network Exposure Function Northbound APIs; Stage 3 (3GPP TS 29.522 version 17.9.0 Release 17)
57	ETSI TS 129 531 V17.7.0 (2023-04)	5G; 5G System; Network Slice Selection Services; Stage 3 (3GPP TS 29.531 version 17.7.0 Release 17)
58	ETSI TS 129 537 V17.2.0 (2023-04)	5G; 5G System; Multicast/Broadcast Policy Control services; Stage 3 (3GPP TS 29.537 version 17.2.0 Release 17)
59	ETSI TS 129 552 V17.4.0 (2023-04)	5G; 5G System; Network Data Analytics signalling flows; Stage 3 (3GPP TS 29.552 version 17.4.0 Release 17)
60	ETSI TS 129 556 V17.3.0 (2023-04)	5G; Edge Application Server Discovery Services; Stage 3 (3GPP TS 29.556 version 17.3.0 Release 17)
61	ETSI TS 129 558 V17.3.0 (2023-04)	5G; Enabling Edge Applications; Application Programming Interface (API) specification; Stage 3 (3GPP TS 29.558 version 17.3.0 Release 17)
62	ETSI TS 129 565 V17.3.0 (2023-04)	5G; 5G System; Time Sensitive Communication and Time Synchronization Function Services; Stage 3 (3GPP TS 29.565 version 17.3.0 Release 17)
63	ETSI TS 129 571 V17.9.0 (2023-04)	5G; 5G System; Common Data Types for Service Based Interfaces; Stage 3 (3GPP TS 29.571 version 17.9.0 Release 17)
64	ETSI TS 129 573 V17.7.0 (2023-04)	5G; 5G System; Public Land Mobile Network (PLMN) Interconnection; Stage 3 (3GPP TS 29.573 version 17.7.0 Release 17)
65	ETSI TS 129 579 V17.2.0 (2023-04)	5G; 5G System; Interworking MSC For Short Message Services; Stage 3 (3GPP TS 29.579 version 17.2.0 Release 17)
66	ETSI TS 129 580 V17.2.0 (2023-04)	5G; 5G System; Multicast/Broadcast Service Function services; Stage 3 (3GPP TS 29.580 version 17.2.0 Release 17)
67	ETSI TS 129 581 V17.3.0 (2023-04)	5G; 5G System; Multicast/Broadcast Service Transport Services; Stage 3 (3GPP TS 29.581 version 17.3.0 Release 17)
68	ETSI TS 129 591 V17.9.0 (2023-04)	5G; 5G System; Network Exposure Function Southbound Services; Stage 3 (3GPP TS 29.591 version 17.9.0 Release 17)
69	ETSI TS 129 675 V16.5.0 (2023-04)	LTE; 5G; User Equipment (UE) radio capability provisioning service; Stage 3 (3GPP TS 29.675 version 16.5.0 Release 16)
70	ETSI TS 129 675 V17.7.0 (2023-04)	LTE; 5G; User Equipment (UE) radio capability provisioning service; Stage 3 (3GPP TS 29.675 version 17.7.0 Release 17)
71	ETSI TS 131 102 V17.9.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 17.9.0 Release 17)
72	ETSI TS 131 111 V15.13.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 15.13.0 Release 15)

73	ETSI TS 131 111 V16.8.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 16.8.0 Release 16)
74	ETSI TS 131 121 V16.11.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 16.11.0 Release 16)
75	ETSI TS 131 124 V16.11.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification (3GPP TS 31.124 version 16.11.0 Release 16)
76	ETSI TS 131 130 V17.2.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; (U)SIM Application Programming Interface (API); (U)SIM API for Java™ Card (3GPP TS 31.130 version 17.2.0 Release 17)
77	ETSI TS 136 300 V17.4.0 (2023-04)	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 17.4.0 Release 17)
78	ETSI TS 136 304 V16.8.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 16.8.0 Release 16)
79	ETSI TS 136 304 V17.4.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 17.4.0 Release 17)
80	ETSI TS 136 306 V16.11.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 16.11.0 Release 16)
81	ETSI TS 136 306 V17.4.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 17.4.0 Release 17)
82	ETSI TS 136 321 V17.4.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 17.4.0 Release 17)
83	ETSI TS 137 213 V16.12.0 (2023-04)	LTE; 5G; Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 16.12.0 Release 16)
84	ETSI TS 137 213 V17.5.0 (2023-04)	LTE; 5G; Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 17.5.0 Release 17)
85	ETSI TS 138 212 V16.11.0 (2023-04)	5G; NR; Multiplexing and channel coding (3GPP TS 38.212 version 16.11.0 Release 16)
86	ETSI TS 138 212 V17.5.0 (2023-04)	5G; NR; Multiplexing and channel coding (3GPP TS 38.212 version 17.5.0 Release 17)
87	ETSI TS 138 213 V16.13.0 (2023-04)	5G; NR; Physical layer procedures for control (3GPP TS 38.213 version 16.13.0 Release 16)
88	ETSI TS 138 213 V17.5.0 (2023-04)	5G; NR; Physical layer procedures for control (3GPP TS 38.213 version 17.5.0 Release 17)

89	ETSI TS 138 214 V16.13.0 (2023-04)	5G; NR; Physical layer procedures for data (3GPP TS 38.214 version 16.13.0 Release 16)
90	ETSI TS 138 214 V17.5.0 (2023-04)	5G; NR; Physical layer procedures for data (3GPP TS 38.214 version 17.5.0 Release 17)
91	ETSI TS 138 215 V16.6.0 (2023-04)	5G; NR; Physical layer measurements (3GPP TS 38.215 version 16.6.0 Release 16)
92	ETSI TS 138 215 V17.3.0 (2023-04)	5G; NR; Physical layer measurements (3GPP TS 38.215 version 17.3.0 Release 17)
93	ETSI TS 138 300 V15.14.0 (2023-04)	5G; NR; NR and NG-RAN Overall description; Stage-2 (3GPP TS 38.300 version 15.14.0 Release 15)
94	ETSI TS 138 300 V16.12.0 (2023-04)	5G; NR; NR and NG-RAN Overall description; Stage-2 (3GPP TS 38.300 version 16.12.0 Release 16)
95	ETSI TS 138 300 V17.4.0 (2023-04)	5G; NR; NR and NG-RAN Overall description; Stage-2 (3GPP TS 38.300 version 17.4.0 Release 17)
96	ETSI TS 138 305 V17.4.0 (2023-04)	5G; NG Radio Access Network (NG-RAN); Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 17.4.0 Release 17)
97	ETSI TS 138 306 V15.20.0 (2023-04)	5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.20.0 Release 15)
98	ETSI TS 138 306 V16.12.0 (2023-04)	5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.12.0 Release 16)
99	ETSI TS 138 321 V17.4.0 (2023-04)	5G; NR; Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 17.4.0 Release 17)
100	ETSI TS 138 323 V17.4.0 (2023-04)	5G; NR; Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 17.4.0 Release 17)
101	ETSI TS 138 331 V15.21.0 (2023-04)	5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 15.21.0 Release 15)
102	ETSI TS 138 331 V16.12.0 (2023-04)	5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 16.12.0 Release 16)
103	ETSI TS 138 340 V17.4.0 (2023-04)	5G; NR; Backhaul Adaptation Protocol (BAP) specification (3GPP TS 38.340 version 17.4.0 Release 17)
104	ETSI TS 138 351 V17.4.0 (2023-04)	5G; NR; Sidelink Relay Adaptation Protocol (SRAP) Specification (3GPP TS 38.351 version 17.4.0 Release 17)
105	ETSI GR RIS 001 V1.1.1 (2023-04)	Reconfigurable Intelligent Surfaces (RIS); Use Cases, Deployment Scenarios and Requirements
106	ETSI GS MEC 002 V3.1.1 (2023-04)	Multi-access Edge Computing (MEC); Use Cases and Requirements
107	ETSI GS F5G 013 V1.1.1 (2023-04)	Fifth Generation Fixed Network (F5G); F5G Technology Landscape Release 2
108	ETSI GS QKD 016 V1.1.1 (2023-04)	Quantum Key Distribution (QKD); Common Criteria Protection Profile - Pair of Prepare and Measure Quantum Key Distribution Modules
109	ETSI GR PDL 018 V1.1.1 (2023-04)	Permissioned Distributed Ledger (PDL); Redactable Distributed Ledgers
110	ETSI TS 102 230-2 V15.0.0 (2023-04)	Smart Cards; UICC-Terminal interface; Physical, electrical and logical test specification; Part 2: UICC features (Release 15)
111	ETSI TS 102 230-2 V14.0.0 (2023-04)	Smart Cards; UICC-Terminal interface; Physical, electrical and logical test specification; Part 2: UICC features (Release 14)

112	ETSI TS 102 230-2 V17.0.0 (2023-04)	Smart Cards; UICC-Terminal interface; Physical, electrical and logical test specification; Part 2: UICC features (Release 17)
113	ETSI TS 102 230-2 V16.0.0 (2023-04)	Smart Cards; UICC-Terminal interface; Physical, electrical and logical test specification; Part 2: UICC features (Release 16)
114	ETSI TS 102 240 V17.1.0 (2023-04)	Smart Cards; UICC Application Programming Interface and Loader Requirements; Service description (Release 17)
115	ETSI TS 102 241 V17.4.0 (2023-04)	Smart Cards; UICC Application Programming Interface (UICC API) for Java Card (TM) (Release 17)
116	ETSI TS 103 481 V16.2.0 (2023-04)	Smart Cards; Test specification for the Remote APDU structure for UICC based applications; UICC features (Release 16)
117	ETSI TR 103 750 V1.1.1 (2023-04)	System Reference document (SRdoc); Short Range Devices (SRD) using Ultra Wide Band (UWB); Technical characteristics for UWB operation in the frequency band between 8,5 GHz to 10,6 GHz
118	ETSI TS 123 003 V16.11.1 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Numbering, addressing and identification (3GPP TS 23.003 version 16.11.1 Release 16)
119	ETSI TS 123 247 V17.6.0 (2023-04)	5G; Architectural enhancements for 5G multicast-broadcast services (3GPP TS 23.247 version 17.6.0 Release 17)
120	ETSI TS 123 255 V17.5.0 (2023-04)	LTE; Application layer support for Uncrewed Aerial System (UAS); Functional architecture and information flows; (3GPP TS 23.255 version 17.5.0 Release 17)
121	ETSI TS 123 256 V17.6.0 (2023-04)	5G; Support of Uncrewed Aerial Systems (UAS) connectivity, identification and tracking; Stage 2 (3GPP TS 23.256 version 17.6.0 Release 17)
122	ETSI TS 123 273 V16.11.0 (2023-04)	5G; 5G System (5GS) Location Services (LCS); Stage 2 (3GPP TS 23.273 version 16.11.0 Release 16)
123	ETSI TS 123 273 V17.8.0 (2023-04)	5G; 5G System (5GS) Location Services (LCS); Stage 2 (3GPP TS 23.273 version 17.8.0 Release 17)
124	ETSI TS 123 287 V17.6.0 (2023-04)	5G; Architecture enhancements for 5G System (5GS) to support Vehicle-to-Everything (V2X) services (3GPP TS 23.287 version 17.6.0 Release 17)
125	ETSI TS 123 288 V17.8.0 (2023-04)	5G; Architecture enhancements for 5G System (5GS) to support network data analytics services (3GPP TS 23.288 version 17.8.0 Release 17)
126	ETSI TS 123 304 V17.6.0 (2023-04)	5G; Proximity based Services (ProSe) in the 5G System (5GS) (3GPP TS 23.304 version 17.6.0 Release 17)
127	ETSI TS 123 501 V16.16.0 (2023-04)	5G; System architecture for the 5G System (5GS) (3GPP TS 23.501 version 16.16.0 Release 16)
128	ETSI TS 123 501 V17.8.0 (2023-04)	5G; System architecture for the 5G System (5GS) (3GPP TS 23.501 version 17.8.0 Release 17)
129	ETSI TS 123 502 V17.8.0 (2023-04)	5G; Procedures for the 5G System (5GS) (3GPP TS 23.502 version 17.8.0 Release 17)
130	ETSI TS 123 503 V16.14.0 (2023-04)	5G; Policy and charging control framework for the 5G System (5GS); Stage 2 (3GPP TS 23.503 version 16.14.0 Release 16)

131	ETSI TS 123 503 V17.8.0 (2023-04)	5G; Policy and charging control framework for the 5G System (5GS); Stage 2 (3GPP TS 23.503 version 17.8.0 Release 17)
132	ETSI TS 123 558 V17.7.0 (2023-04)	5G; Architecture for enabling Edge Applications (3GPP TS 23.558 version 17.7.0 Release 17)
133	ETSI TS 124 193 V17.8.0 (2023-04)	5G; 5G System; Access Traffic Steering, Switching and Splitting (ATSSS); Stage 3 (3GPP TS 24.193 version 17.8.0 Release 17)
134	ETSI TS 124 229 V17.10.0 (2023-04)	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 17.10.0 Release 17)
135	ETSI TS 124 229 V11.30.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 11.30.0 Release 11)
136	ETSI TS 124 229 V12.26.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 12.26.0 Release 12)
137	ETSI TS 124 229 V16.12.0 (2023-04)	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 16.12.0 Release 16)
138	ETSI TS 124 229 V13.21.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 13.21.0 Release 13)
139	ETSI TS 124 229 V14.18.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 version 14.18.0 Release 14)
140	ETSI TS 124 229 V15.15.0 (2023-04)	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 15.15.0 Release 15)

141	ETSI TS 124 301 V17.10.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS); Stage 3 (3GPP TS 24.301 version 17.10.0 Release 17)
142	ETSI TS 124 302 V17.8.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Access to the 3GPP Evolved Packet Core (EPC) via non-3GPP access networks; Stage 3 (3GPP TS 24.302 version 17.8.0 Release 17)
143	ETSI TS 124 379 V17.10.1 (2023-04)	LTE; Mission Critical Push To Talk (MCPTT) call control; Protocol specification (3GPP TS 24.379 version 17.10.1 Release 17)
144	ETSI TS 124 385 V17.2.0 (2023-04)	LTE; V2X services Management Object (MO) (3GPP TS 24.385 version 17.2.0 Release 17)
145	ETSI TS 124 386 V17.2.0 (2023-04)	LTE; User Equipment (UE) to V2X control function; protocol aspects; Stage 3 (3GPP TS 24.386 version 17.2.0 Release 17)
146	ETSI TS 124 481 V17.6.0 (2023-04)	LTE; Mission Critical Services (MCS) group management; Protocol specification (3GPP TS 24.481 version 17.6.0 Release 17)
147	ETSI TS 124 484 V17.9.0 (2023-04)	LTE; Mission Critical Services (MCS) configuration management; Protocol specification (3GPP TS 24.484 version 17.9.0 Release 17)
148	ETSI TS 124 486 V16.5.0 (2023-04)	LTE; 5G; Vehicle-to-Everything (V2X) Application Enabler (VAE) layer; Protocol aspects; Stage 3 (3GPP TS 24.486 version 16.5.0 Release 16)
149	ETSI TS 124 486 V17.6.0 (2023-04)	LTE; 5G; Vehicle-to-Everything (V2X) Application Enabler (VAE) layer; Protocol aspects; Stage 3 (3GPP TS 24.486 version 17.6.0 Release 17)
150	ETSI TS 124 501 V17.10.1 (2023-04)	5G; Non-Access-Stratum (NAS) protocol for 5G System (5GS); Stage 3 (3GPP TS 24.501 version 17.10.1 Release 17)
151	ETSI TS 124 502 V17.8.0 (2023-04)	5G; Access to the 3GPP 5G Core Network (5GCN) via non-3GPP access networks (3GPP TS 24.502 version 17.8.0 Release 17)
152	ETSI TS 124 538 V17.3.0 (2023-04)	5G; Enabling MSGin5G Service; Protocol specification (3GPP TS 24.538 version 17.3.0 Release 17)
153	ETSI TS 124 544 V16.5.0 (2023-04)	5G; Group Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.544 version 16.5.0 Release 16)
154	ETSI TS 124 544 V17.5.0 (2023-04)	5G; Group Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.544 version 17.5.0 Release 17)
155	ETSI TS 124 545 V16.6.1 (2023-04)	5G; Location Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.545 version 16.6.1 Release 16)
156	ETSI TS 124 545 V17.6.1 (2023-04)	5G; Location Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.545 version 17.6.1 Release 17)
157	ETSI TS 124 546 V16.3.0 (2023-04)	5G; Configuration management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.546 version 16.3.0 Release 16)

158	ETSI TS 124 546 V17.6.0 (2023-04)	5G; Configuration management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.546 version 17.6.0 Release 17)
159	ETSI TS 124 547 V17.3.0 (2023-04)	5G; Identity management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.547 version 17.3.0 Release 17)
160	ETSI TS 124 548 V16.4.0 (2023-04)	5G; Network Resource Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.548 version 16.4.0 Release 16)
161	ETSI TS 124 548 V17.4.1 (2023-04)	5G; Network Resource Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.548 version 17.4.1 Release 17)
162	ETSI TS 124 549 V17.3.0 (2023-04)	5G; Network slice capability enablement- Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification; Stage 3 (3GPP TS 24.549 version 17.3.0 Release 17)
163	ETSI TS 124 554 V17.4.0 (2023-04)	5G; Proximity-services (ProSe) in 5G System (5GS) protocol aspects; Stage 3 (3GPP TS 24.554 version 17.4.0 Release 17)
164	ETSI TS 124 555 V17.4.0 (2023-04)	5G; Proximity-services (ProSe) in 5G System (5GS); User Equipment (UE) policies; Stage 3 (3GPP TS 24.555 version 17.4.0 Release 17)
165	ETSI TS 124 558 V17.3.0 (2023-04)	5G; Enabling Edge Applications; Protocol specification (3GPP TS 24.558 version 17.3.0 Release 17)
166	ETSI TS 126 114 V16.13.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction (3GPP TS 26.114 version 16.13.0 Release 16)
167	ETSI TS 126 114 V17.7.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction (3GPP TS 26.114 version 17.7.0 Release 17)
168	ETSI TS 126 132 V17.2.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech and video telephony terminal acoustic test specification (3GPP TS 26.132 version 17.2.0 Release 17)
169	ETSI TS 126 173 V17.1.1 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-WB) speech codec (3GPP TS 26.173 version 17.1.1 Release 17)
170	ETSI TS 126 174 V17.1.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec test sequences (3GPP TS 26.174 version 17.1.0 Release 17)
171	ETSI TS 126 204 V17.1.0 (2023-04)	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 17.1.0 Release 17)

172	ETSI TS 126 247 V16.7.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; Transparent end-to-end Packet-switched Streaming Service (PSS); Progressive Download and Dynamic Adaptive Streaming over HTTP (3GP-DASH) (3GPP TS 26.247 version 16.7.0 Release 16)
173	ETSI TS 126 247 V17.3.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; Transparent end-to-end Packet-switched Streaming Service (PSS); Progressive Download and Dynamic Adaptive Streaming over HTTP (3GP-DASH) (3GPP TS 26.247 version 17.3.0 Release 17)
174	ETSI TS 126 346 V17.3.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs (3GPP TS 26.346 version 17.3.0 Release 17)
175	ETSI TS 126 501 V17.5.0 (2023-04)	5G; 5G Media Streaming (5GMS); General description and architecture (3GPP TS 26.501 version 17.5.0 Release 17)
176	ETSI TS 126 502 V17.4.0 (2023-04)	5G; 5G multicast-broadcast services; User service architecture (3GPP TS 26.502 version 17.4.0 Release 17)
177	ETSI TS 126 512 V16.9.0 (2023-04)	5G; 5G Media Streaming (5GMS); Protocols (3GPP TS 26.512 version 16.9.0 Release 16)
178	ETSI TS 126 512 V17.4.0 (2023-04)	5G; 5G Media Streaming (5GMS); Protocols (3GPP TS 26.512 version 17.4.0 Release 17)
179	ETSI TS 126 517 V17.2.0 (2023-04)	LTE; 5G; 5G Multicast-Broadcast User Services; Protocols and Formats (3GPP TS 26.517 version 17.2.0 Release 17)
180	ETSI TS 128 104 V17.3.0 (2023-04)	5G; Management and orchestration; Management Data Analytics (MDA) (3GPP TS 28.104 version 17.3.0 Release 17)
181	ETSI TS 128 105 V17.3.0 (2023-04)	5G; Management and orchestration; Artificial Intelligence/ Machine Learning (AI/ML) management (3GPP TS 28.105 version 17.3.0 Release 17)
182	ETSI TS 128 310 V17.5.0 (2023-04)	LTE; 5G; Management and orchestration; Energy efficiency of 5G (3GPP TS 28.310 version 17.5.0 Release 17)
183	ETSI TS 128 312 V17.3.1 (2023-04)	LTE; 5G; Management and orchestration; Intent driven management services for mobile networks (3GPP TS 28.312 version 17.3.1 Release 17)
184	ETSI TS 128 313 V16.4.0 (2023-04)	5G; Management and orchestration; Self-Organizing Networks (SON) for 5G networks (3GPP TS 28.313 version 16.4.0 Release 16)
185	ETSI TS 128 313 V17.8.0 (2023-04)	5G; Management and orchestration; Self-Organizing Networks (SON) for 5G networks (3GPP TS 28.313 version 17.8.0 Release 17)
186	ETSI TS 128 530 V16.6.0 (2023-04)	5G; Management and orchestration; Concepts, use cases and requirements (3GPP TS 28.530 version 16.6.0 Release 16)
187	ETSI TS 128 530 V17.4.0 (2023-04)	5G; Management and orchestration; Concepts, use cases and requirements (3GPP TS 28.530 version 17.4.0 Release 17)
188	ETSI TS 128 531 V17.7.0 (2023-04)	5G; Management and orchestration; Provisioning (3GPP TS 28.531 version 17.7.0 Release 17)
189	ETSI TS 128 532 V15.8.0 (2023-04)	5G; Management and orchestration; Generic management services (3GPP TS 28.532 version 15.8.0 Release 15)

190	ETSI TS 128 532 V16.14.0 (2023-04)	5G; Management and orchestration; Generic management services (3GPP TS 28.532 version 16.14.0 Release 16)
191	ETSI TS 128 532 V17.4.0 (2023-04)	5G; Management and orchestration; Generic management services (3GPP TS 28.532 version 17.4.0 Release 17)
192	ETSI TS 128 533 V15.7.0 (2023-04)	5G; Management and orchestration; Architecture framework (3GPP TS 28.533 version 15.7.0 Release 15)
193	ETSI TS 128 533 V16.9.0 (2023-04)	5G; Management and orchestration; Architecture framework (3GPP TS 28.533 version 16.9.0 Release 16)
194	ETSI TS 128 533 V17.3.0 (2023-04)	5G; Management and orchestration; Architecture framework (3GPP TS 28.533 version 17.3.0 Release 17)
195	ETSI TS 128 535 V17.6.0 (2023-04)	LTE; 5G; Management and orchestration; Management services for communication service assurance; Requirements (3GPP TS 28.535 version 17.6.0 Release 17)
196	ETSI TS 128 536 V17.5.0 (2023-04)	LTE; 5G; Management and orchestration; Management services for communication service assurance; Stage 2 and stage 3 (3GPP TS 28.536 version 17.5.0 Release 17)
197	ETSI TS 128 538 V17.2.0 (2023-04)	5G; Management and orchestration; Edge Computing Management (3GPP TS 28.538 version 17.2.0 Release 17)
198	ETSI TS 128 541 V15.10.0 (2023-04)	5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3 (3GPP TS 28.541 version 15.10.0 Release 15)
199	ETSI TS 128 552 V17.10.0 (2023-04)	5G; Management and orchestration; 5G performance measurements (3GPP TS 28.552 version 17.10.0 Release 17)
200	ETSI TS 128 554 V15.6.0 (2023-04)	5G; Management and orchestration; 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 15.6.0 Release 15)
201	ETSI TS 128 554 V16.12.0 (2023-04)	5G; Management and orchestration; 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 16.12.0 Release 16)
202	ETSI TS 128 554 V17.9.0 (2023-04)	5G; Management and orchestration; 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 17.9.0 Release 17)
203	ETSI TS 128 557 V17.1.0 (2023-04)	5G; Management and orchestration; Management of Non-Public Networks (NPN); Stage 1 and stage 2 (3GPP TS 28.557 version 17.1.0 Release 17)
204	ETSI TS 128 622 V15.7.0 (2023-04)	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 15.7.0 Release 15)
205	ETSI TS 128 622 V16.15.0 (2023-04)	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 16.15.0 Release 16)
206	ETSI TS 128 622 V17.5.0 (2023-04)	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 17.5.0 Release 17)

207	ETSI TS 128 622 V11.5.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 11.5.0 Release 11)
208	ETSI TS 128 622 V12.4.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 12.4.0 Release 12)
209	ETSI TS 128 622 V13.3.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 13.3.0 Release 13)
210	ETSI TS 128 622 V14.3.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 14.3.0 Release 14)
211	ETSI TS 136 211 V17.3.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical channels and modulation (3GPP TS 36.211 version 17.3.0 Release 17)
212	ETSI TS 136 213 V17.5.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer procedures (3GPP TS 36.213 version 17.5.0 Release 17)
213	ETSI ES 201 873-1 V4.15.1 (2023-04)	Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 1: TTCN-3 Core Language
214	ETSI GS ENI 002 V3.2.1 (2023-04)	Experiential Networked Intelligence (ENI); ENI requirements
215	ETSI GS F5G 015 V1.1.1 (2023-04)	Fifth Generation Fixed Network (F5G); F5G Residential Services Quality Evaluation and Classification Release 2
216	ETSI TS 102 226 V18.1.0 (2023-04)	Smart Cards; Remote APDU structure for UICC based applications (Release 18)
217	ETSI TR 102 445 V1.2.1 (2023-04)	Emergency Communications (EMTEL); Overview of Emergency Communications Network Resilience and Preparedness
218	ETSI TR 103 852 V1.1.1 (2023-04)	Human Factors (HF); An Examination of Video Game Usability and Accessibility
219	ETSI TS 103 975 V1.1.1 (2023-04)	Core Network and Interoperability Testing (INT); Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem at the AGCF connecting legacy access; Conformance Test Specification (3GPP™ Release 17); Test Suite Structure and Test Purposes (TSS&TP)
220	ETSI TS 128 623 V15.7.0 (2023-04)	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 15.7.0 Release 15)

221	ETSI TS 128 623 V16.14.1 (2023-04)	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 16.14.1 Release 16)
222	ETSI TS 128 623 V17.5.1 (2023-04)	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 17.5.1 Release 17)
223	ETSI TS 129 413 V17.3.0 (2023-04)	5G; Application of the NG Application Protocol (NGAP) to non-3GPP access (3GPP TS 29.413 version 17.3.0 Release 17)
224	ETSI TS 129 582 V17.4.0 (2023-04)	LTE; 5G; Mission Critical Data (MCDData) interworking with Land Mobile Radio (LMR) systems; Stage 3 (3GPP TS 29.582 version 17.4.0 Release 17)
225	ETSI TS 132 130 V17.6.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Network sharing; Concepts and requirements (3GPP TS 32.130 version 17.6.0 Release 17)
226	ETSI TS 132 158 V16.9.0 (2023-04)	LTE; 5G; Management and orchestration; Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 16.9.0 Release 16)
227	ETSI TS 132 158 V17.4.0 (2023-04)	LTE; 5G; Management and orchestration; Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 17.4.0 Release 17)
228	ETSI TS 132 160 V17.7.0 (2023-04)	LTE; 5G; Management and orchestration; Management service template (3GPP TS 32.160 version 17.7.0 Release 17)
229	ETSI TS 132 240 V17.9.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management;
230	ETSI TS 132 255 V17.9.0 (2023-04)	5G; Telecommunication management; Charging management; 5G data connectivity domain charging; Stage 2 (3GPP TS 32.255 version 17.9.0 Release 17)
231	ETSI TS 132 291 V17.6.0 (2023-04)	5G; Telecommunication management; Charging management; 5G system, charging service; Stage 3 (3GPP TS 32.291 version 17.6.0 Release 17)
232	ETSI TS 132 298 V17.6.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management;
233	ETSI TS 132 422 V16.12.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace control and configuration management (3GPP TS 32.422 version 16.12.0 Release 16)

234	ETSI TS 132 422 V17.10.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Subscriber and equipment trace; Trace control and configuration management (3GPP TS 32.422 version 17.10.0 Release 17)
235	ETSI TS 133 117 V16.10.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Catalogue of general security assurance requirements (3GPP TS 33.117 version 16.10.0 Release 16)
236	ETSI TS 133 117 V17.3.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Catalogue of general security assurance requirements (3GPP TS 33.117 version 17.3.0 Release 17)
237	ETSI TS 133 127 V17.8.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Lawful Interception (LI) architecture and functions (3GPP TS 33.127 version 17.8.0 Release 17)
238	ETSI TS 133 128 V15.10.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Security; Protocol and procedures for Lawful Interception (LI);
239	ETSI TS 133 128 V16.14.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Security; Protocol and procedures for Lawful Interception (LI);
240	ETSI TS 133 128 V17.8.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Security; Protocol and procedures for Lawful Interception (LI);
241	ETSI TS 133 180 V16.12.0 (2023-04)	LTE; Security of the Mission Critical (MC) service (3GPP TS 33.180 version 16.12.0 Release 16)
242	ETSI TS 133 180 V17.9.0 (2023-04)	LTE; Security of the Mission Critical (MC) service (3GPP TS 33.180 version 17.9.0 Release 17)
243	ETSI TS 133 310 V16.13.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Domain Security (NDS); Authentication Framework (AF) (3GPP TS 33.310 version 16.13.0 Release 16)
244	ETSI TS 133 310 V17.6.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Domain Security (NDS); Authentication Framework (AF) (3GPP TS 33.310 version 17.6.0 Release 17)
245	ETSI TS 133 501 V16.14.0 (2023-04)	5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 16.14.0 Release 16)
246	ETSI TS 133 501 V17.9.0 (2023-04)	5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 17.9.0 Release 17)
247	ETSI TS 133 503 V17.3.0 (2023-04)	5G; Security Aspects of Proximity based Services (ProSe) in the 5G System (5GS) (3GPP TS 33.503 version 17.3.0 Release 17)
248	ETSI TS 133 535 V17.8.0 (2023-04)	5G; Authentication and Key Management for Applications (AKMA) based on 3GPP credentials in the 5G System (5GS) (3GPP TS 33.535 version 17.8.0 Release 17)

249	ETSI TS 134 123-2 V15.4.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) proforma specification (3GPP TS 34.123-2 version 15.4.0 Release 15)
250	ETSI TS 134 229-1 V16.5.0 (2023-04)	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 1: Protocol conformance specification (3GPP TS 34.229-1 version 16.5.0 Release 16)
251	ETSI TS 134 229-2 V16.6.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 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 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 16.6.0 Release 16)
252	ETSI TS 134 229-3 V17.1.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 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 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 17.1.0 Release 17)
253	ETSI TS 134 229-5 V16.6.0 (2023-04)	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 16.6.0 Release 16)
254	ETSI TS 136 104 V17.9.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 17.9.0 Release 17)
255	ETSI TS 136 113 V15.5.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 15.5.0 Release 15)
256	ETSI TS 136 113 V16.3.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 16.3.0 Release 16)
257	ETSI TS 136 113 V17.1.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 17.1.0 Release 17)
258	ETSI TS 136 141 V15.18.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 15.18.0 Release 15)
259	ETSI TS 136 141 V16.16.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 16.16.0 Release 16)

260	ETSI TS 136 141 V17.9.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 17.9.0 Release 17)
261	ETSI TS 136 307 V13.16.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 13.16.0 Release 13)
262	ETSI TS 136 307 V14.13.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 14.13.0 Release 14)
263	ETSI TS 136 307 V15.10.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 15.10.0 Release 15)
264	ETSI TS 136 307 V16.6.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 16.6.0 Release 16)
265	ETSI TS 136 307 V17.4.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 36.307 version 17.4.0 Release 17)
266	ETSI TS 136 331 V16.12.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 16.12.0 Release 16)
267	ETSI TS 136 331 V17.4.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 17.4.0 Release 17)
268	ETSI TS 136 413 V16.12.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 16.12.0 Release 16)
269	ETSI TS 136 413 V17.4.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 17.4.0 Release 17)
270	ETSI TS 136 423 V17.4.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 Application Protocol (X2AP) (3GPP TS 36.423 version 17.4.0 Release 17)
271	ETSI TS 136 455 V17.1.0 (2023-04)	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol A (LPPa) (3GPP TS 36.455 version 17.1.0 Release 17)
272	ETSI TS 136 509 V17.3.0 (2023-04)	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 17.3.0 Release 17)
273	ETSI TS 136 509 V15.6.0 (2023-04)	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 15.6.0 Release 15)

274	ETSI TS 136 509 V16.5.0 (2023-04)	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 16.5.0 Release 16)
275	ETSI TS 136 521-2 V17.2.0 (2023-04)	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 17.2.0 Release 17)
276	ETSI TS 136 523-2 V17.5.0 (2023-04)	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 17.5.0 Release 17)
277	ETSI TS 136 579-1 V15.9.0 (2023-04)	LTE; Mission Critical (MC) services over LTE; Part 1: Common test environment (3GPP TS 36.579-1 version 15.9.0 Release 15)
278	ETSI TS 136 579-1 V16.0.0 (2023-04)	LTE; Mission Critical (MC) services over LTE; Part 1: Common test environment (3GPP TS 36.579-1 version 16.0.0 Release 16)
279	ETSI TS 136 579-2 V15.7.0 (2023-04)	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 15.7.0 Release 15)
280	ETSI TS 136 579-2 V16.0.0 (2023-04)	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 16.0.0 Release 16)
281	ETSI TS 136 579-4 V15.5.0 (2023-04)	LTE; Mission Critical (MC) services over LTE; Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.579-4 version 15.5.0 Release 15)
282	ETSI TS 136 579-4 V16.0.0 (2023-04)	LTE; Mission Critical (MC) services over LTE; Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.579-4 version 16.0.0 Release 16)
283	ETSI TS 136 579-5 V17.1.0 (2023-04)	LTE; Mission Critical (MC) services over LTE; Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 17.1.0 Release 17)
284	ETSI TS 136 579-6 V15.6.0 (2023-04)	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 15.6.0 Release 15)
285	ETSI TS 136 579-6 V16.0.0 (2023-04)	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 16.0.0 Release 16)

286	ETSI TS 136 579-7 V15.5.1 (2023-04)	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 15.5.1 Release 15)
287	ETSI TS 137 104 V16.16.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 16.16.0 Release 16)
288	ETSI TS 137 104 V17.8.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 17.8.0 Release 17)
289	ETSI TS 137 105 V15.18.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 15.18.0 Release 15)
290	ETSI TS 137 105 V16.13.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 16.13.0 Release 16)
291	ETSI TS 137 105 V17.7.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 17.7.0 Release 17)
292	ETSI TS 137 113 V15.12.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 15.12.0 Release 15)
293	ETSI TS 137 113 V16.3.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 16.3.0 Release 16)
294	ETSI TS 137 113 V17.1.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 17.1.0 Release 17)
295	ETSI TS 137 114 V15.10.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; Active Antenna System (AAS) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.114 version 15.10.0 Release 15)

296	ETSI TS 137 114 V16.1.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; Active Antenna System (AAS) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.114 version 16.1.0 Release 16)
297	ETSI TS 137 114 V17.1.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; Active Antenna System (AAS) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.114 version 17.1.0 Release 17)
298	ETSI TS 137 141 V16.17.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 16.17.0 Release 16)
299	ETSI TS 137 141 V17.9.0 (2023-04)	Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR, E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 17.9.0 Release 17)
300	ETSI TS 137 145-1 V16.12.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 16.12.0 Release 16)
301	ETSI TS 137 145-1 V17.7.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 1: conducted conformance testing (3GPP TS 37.145-1 version 17.7.0 Release 17)
302	ETSI TS 137 145-2 V16.13.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 16.13.0 Release 16)
303	ETSI TS 137 145-2 V17.7.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Active Antenna System (AAS) Base Station (BS) conformance testing; Part 2: radiated conformance testing (3GPP TS 37.145-2 version 17.7.0 Release 17)
304	ETSI TS 137 320 V17.3.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; Radio measurement collection for Minimization of Drive Tests (MDT); Overall description; Stage 2 (3GPP TS 37.320 version 17.3.0 Release 17)
305	ETSI TS 137 340 V17.4.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR; Multi-connectivity; Overall description;
306	ETSI TS 137 355 V16.10.0 (2023-04)	LTE; 5G; LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 16.10.0 Release 16)
307	ETSI TS 137 355 V17.4.0 (2023-04)	LTE; 5G; LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 17.4.0 Release 17)
308	ETSI TS 137 473 V17.2.0 (2023-04)	LTE; 5G; W1 interface; Application Protocol (W1AP) (3GPP TS 37.473 version 17.2.0 Release 17)
309	ETSI TS 137 483 V17.4.0 (2023-04)	5G; E1 Application Protocol (E1AP) (3GPP TS 37.483 version 17.4.0 Release 17)

310	ETSI TS 137 571-2 V16.15.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance (3GPP TS 37.571-2 version 16.15.0 Release 16)
311	ETSI TS 137 571-2 V17.0.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance (3GPP TS 37.571-2 version 17.0.0 Release 17)
312	ETSI TS 137 571-3 V17.0.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 17.0.0 Release 17)
313	ETSI TS 137 571-4 V17.1.0 (2023-04)	Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 4: Test suites (3GPP TS 37.571-4 version 17.1.0 Release 17)
314	ETSI TS 138 101-2 V15.21.0 (2023-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 15.21.0 Release 15)
315	ETSI TS 138 101-2 V16.15.0 (2023-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 16.15.0 Release 16)
316	ETSI TS 138 101-2 V17.9.0 (2023-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 17.9.0 Release 17)
317	ETSI TS 138 101-4 V15.17.0 (2023-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements (3GPP TS 38.101-4 version 15.17.0 Release 15)
318	ETSI TS 138 101-4 V16.12.0 (2023-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 4: Performance requirements (3GPP TS 38.101-4 version 16.12.0 Release 16)
319	ETSI TS 138 101-5 V17.3.0 (2023-04)	5G; NR; User Equipment (UE) radio transmission and reception; Part 5: Satellite access Radio Frequency (RF) and performance requirements (3GPP TS 38.101-5 version 17.3.0 Release 17)