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LTE;
Technical Specifications and Technical Reports
for an Evolved Packet System (EPS) based 3GPP system
(3GPP TS 21.201 version 12.0.0 Release 12)



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Foreword

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The present document may refer to technical specifications or reports using their 3GPP identities, UMTS identities or GSM identities. These should be interpreted as being references to the corresponding ETSI deliverables.

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Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

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Version x.y.z

where:

- x the first digit:
 - 1 presented to TSG for information;
 - 2 presented to TSG for approval;
 - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

1 Scope

The present document identifies the 3GPP system specifications for Release 8. The specifications and reports of 3GPP Release 11 have a major version number 11 (i.e. 11.x.y). The listed Specifications are required to build a system based on the Evolved Packet System.

The high-level architecture of such a system is defined in 3GPP TS 23.002 [2] (figure 1b).

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 23.002: "Network architecture".

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in TR 21.905 [1] apply.

3.2 Symbols

(Void)

3.3 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [1] apply.

4 General

The numbering scheme for specifications is described in 3GPP TR 21.900 [2].

5 Specifications and Reports

NOTE 1: The "for publication?" column of the table below indicates whether or not the documents are intended for adoption by the partner Standards Development Organizations as their own publications. Those marked "no" are internal working documents of the 3GPP TSGs.

NOTE 2: "Type" indicates Technical Specification (TS) or Technical Report (TR).

| Type | Number | Title | Group | For publication? |
|------|--------|-------------------------------------------------------------------------------------------------------------|-------|------------------|
| TS | 21.111 | USIM and IC card requirements | C6 | Yes |
| TS | 21.201 | Technical Specifications and Technical Reports for an Evolved Packet System (EPS) based 3GPP system | SP | Yes |
| TS | 21.202 | Technical Specifications and Technical Reports relating to the Common IP Multimedia Subsystem (IMS) | SP | Yes |
| TR | 21.801 | Specification drafting rules | SP | No |
| TR | 21.900 | Technical Specification Group working methods | SP | Yes |
| TR | 21.905 | Vocabulary for 3GPP Specifications | SP | Yes |
| TS | 22.011 | Service accessibility | S1 | Yes |
| TS | 22.016 | International Mobile station Equipment Identities (IMEI) | S1 | Yes |
| TS | 22.022 | Personalisation of Mobile Equipment (ME); Mobile functionality specification | S1 | Yes |
| TS | 22.024 | Description of Charge Advice Information (CAI) | S1 | Yes |
| TS | 22.030 | Man-Machine Interface (MMI) of the User Equipment (UE) | S1 | Yes |
| TS | 22.031 | 3G Security; Fraud Information Gathering System (FIGS); Service description; Stage 1 | S3 | Yes |
| TS | 22.032 | Immediate Service Termination (IST); Service description; Stage 1 | S3 | Yes |
| TS | 22.038 | (U)SIM Application Toolkit (USAT); Service description; Stage 1 | S1 | Yes |
| TS | 22.041 | Operator Determined Barring (ODB) | S1 | Yes |
| TS | 22.042 | Network Identity and TimeZone (NITZ); Service description; Stage 1 | S1 | Yes |
| TS | 22.053 | Tandem Free Operation (TFO); Service description; Stage 1 | S4 | Yes |
| TS | 22.057 | Mobile Execution Environment (MExE); Service description; Stage 1 | S1 | Yes |
| TS | 22.060 | General Packet Radio Service (GPRS); Service description; Stage 1 | S1 | Yes |
| TS | 22.066 | Support of Mobile Number Portability (MNP); Service description; Stage 1 | S1 | Yes |
| TS | 22.071 | Location Services (LCS); Service description; Stage 1 | S1 | Yes |
| TS | 22.076 | Noise suppression for the AMR codec; Service description; Stage 1 | S4 | Yes |
| TS | 22.097 | Multiple Subscriber Profile (MSP) Phase 2; Service description; Stage 1 | S1 | Yes |
| TS | 22.101 | Service aspects; Service principles | S1 | Yes |
| TS | 22.105 | Services and service capabilities | S1 | Yes |
| TS | 22.115 | Service aspects; Charging and billing | S1 | Yes |
| TS | 22.129 | Service aspects; Handover requirements between UTRAN and GERAN or other radio systems | S1 | Yes |
| TS | 22.135 | Multicast; Service description; Stage 1 | S1 | Yes |
| TS | 22.140 | Multimedia Messaging Service (MMS); Stage 1 | S1 | Yes |
| TS | 22.141 | Presence service; Stage 1 | S1 | Yes |
| TS | 22.146 | Multimedia Broadcast/Multicast Service (MBMS); Stage 1 | S1 | Yes |
| TS | 22.153 | Multimedia priority service | S1 | Yes |
| TS | 22.173 | IP Multimedia Core Network Subsystem (IMS) Multimedia Telephony Service and supplementary services; Stage 1 | S1 | Yes |
| TS | 22.174 | Push Service; Service aspects; Stage 1 | S1 | Yes |
| TS | 22.182 | Customized Alerting Tones (CAT) requirements; Stage 1 | S1 | Yes |
| TS | 22.226 | Global Text Telephony (GTT); Stage 1 | S1 | Yes |
| TS | 22.228 | Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1 | S1 | Yes |

| Type | Number | Title | Group | For publication? |
|------|--------|------------------------------------------------------------------------------------------------------|-------|------------------|
| TS | 22.233 | Transparent end-to-end packet-switched streaming service; Stage 1 | S1 | Yes |
| TS | 22.234 | Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking | S1 | Yes |
| TS | 22.240 | Service requirements for 3GPP Generic User Profile (GUP); Stage 1 | S1 | Yes |
| TS | 22.242 | Digital Rights Management (DRM); Stage 1 | S1 | Yes |
| TS | 22.243 | Speech recognition framework for automated voice services; Stage 1 | S1 | Yes |
| TS | 22.246 | Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1 | S1 | Yes |
| TS | 22.250 | IP Multimedia Subsystem (IMS) Group Management; Stage 1 | S1 | Yes |
| TS | 22.259 | Service requirements for Personal Network Management (PNM); Stage 1 | S1 | Yes |
| TS | 22.278 | Service requirements for the Evolved Packet System (EPS) | S1 | Yes |
| TS | 22.279 | Combined Circuit Switched (CS) and IP Multimedia Subsystem (IMS) sessions; Stage 1 | S1 | Yes |
| TS | 22.340 | IP Multimedia Subsystem (IMS) messaging; Stage 1 | S1 | Yes |
| TS | 22.368 | Service requirements for Machine-Type Communications (MTC); Stage 1 | S1 | Yes |
| TS | 22.468 | Group Communication System Enablers for LTE (GCSE_LTE) | S1 | Yes |
| TR | 22.888 | Study on enhancements for Machine-Type Communications (MTC) | S1 | No |
| TR | 22.903 | Study on Videotelephony teleservice | S1 | Yes |
| TR | 22.908 | Study on Paging Permission with Access Control (PPAC) | S1 | Yes |
| TR | 22.934 | Feasibility study on 3GPP system to Wireless Local Area Network (WLAN) interworking | S1 | Yes |
| TR | 22.935 | Feasibility study on Location Services (LCS) for Wireless Local Area Network (WLAN) interworking | S1 | Yes |
| TR | 22.936 | Multi-system terminals | S1 | Yes |
| TR | 22.937 | Requirements for service continuity between mobile and Wireless Local Area Network (WLAN) networks | S1 | Yes |
| TR | 22.940 | IP Multimedia Subsystem (IMS) messaging | S1 | Yes |
| TR | 22.942 | Study on Value Added Services (VAS) for Short Message Service (SMS) | S1 | Yes |
| TR | 22.944 | Report on service requirements for UE functionality split | S1 | Yes |
| TR | 22.947 | Study on Personal Broadcast Service (PBS) | S1 | Yes |
| TR | 22.948 | Study of requirements of IP-Multimedia Subsystem (IMS) convergent multimedia conferencing | S1 | Yes |
| TR | 22.949 | Study on a generalized privacy capability | S1 | Yes |
| TR | 22.950 | Priority service feasibility study | S1 | Yes |
| TR | 22.951 | Service aspects and requirements for network sharing | S1 | Yes |
| TR | 22.952 | Priority service guide | S1 | Yes |
| TR | 22.953 | Multimedia priority service feasibility study | S1 | Yes |
| TR | 22.967 | Transferring of emergency call data | S1 | Yes |
| TR | 22.968 | Study for requirements for a Public Warning System (PWS) service | S1 | Yes |
| TR | 22.973 | IMS Multimedia Telephony service; and supplementary services | S1 | Yes |
| TR | 22.977 | Feasibility study for speech-enabled services | S1 | Yes |
| TR | 22.978 | All-IP network (AIPN) feasibility study | S1 | Yes |
| TR | 22.979 | Feasibility study on combined Circuit Switched (CS) calls and IP Multimedia Subsystem (IMS) sessions | S1 | Yes |
| TR | 22.980 | Network composition feasibility study | S1 | Yes |
| TR | 22.982 | Study of Customised Alerting Tone (CAT) requirements | S1 | Yes |
| TR | 22.983 | Services alignment and migration | S1 | Yes |
| TR | 22.987 | Study of haptic services requirements | S1 | Yes |
| TR | 22.988 | Study on alternatives to E.164 for Machine-Type Communications (MTC) | S1 | Yes |
| TS | 23.002 | Network architecture | S2 | Yes |
| TS | 23.007 | Restoration procedures | C4 | Yes |
| TS | 23.008 | Organization of subscriber data | C4 | Yes |
| TS | 23.012 | Location management procedures | C4 | Yes |
| TS | 23.018 | Basic call handling; Technical realization | C4 | Yes |

| Type | Number | Title | Group | For publication? |
|------|--------|--------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|
| TS | 23.038 | Alphabets and language-specific information | C1 | Yes |
| TS | 23.042 | Compression algorithm for text messaging services | C1 | Yes |
| TS | 23.107 | Quality of Service (QoS) concept and architecture | S2 | Yes |
| TS | 23.110 | Universal Mobile Telecommunications System (UMTS) access stratum; Services and functions | S2 | Yes |
| TS | 23.119 | Gateway Location Register (GLR); Stage 2 | C4 | Yes |
| TS | 23.135 | Multicall supplementary service; Stage 2 | C4 | Yes |
| TS | 23.141 | Presence service; Architecture and functional description | S2 | Yes |
| TS | 23.142 | Value-added Services for SMS (VAS4SMS); Interface and signalling flow | C4 | Yes |
| TS | 23.153 | Out of band transcoder control; Stage 2 | C4 | Yes |
| TS | 23.167 | IP Multimedia Subsystem (IMS) emergency sessions | S2 | Yes |
| TS | 23.203 | Policy and charging control architecture | S2 | Yes |
| TS | 23.204 | Support of Short Message Service (SMS) over generic 3GPP Internet Protocol (IP) access; Stage 2 | S2 | Yes |
| TS | 23.205 | Bearer-independent circuit-switched core network; Stage 2 | C4 | Yes |
| TS | 23.207 | End-to-end Quality of Service (QoS) concept and architecture | S2 | Yes |
| TS | 23.216 | Single Radio Voice Call Continuity (SRVCC); Stage 2 | S2 | Yes |
| TS | 23.218 | IP Multimedia (IM) session handling; IM call model; Stage 2 | C1 | Yes |
| TS | 23.221 | Architectural requirements | S2 | Yes |
| TS | 23.226 | Global text telephony (GTT); Stage 2 | S2 | Yes |
| TS | 23.228 | IP Multimedia Subsystem (IMS); Stage 2 | S2 | Yes |
| TS | 23.234 | 3GPP system to Wireless Local Area Network (WLAN) interworking; System description | S2 | Yes |
| TS | 23.236 | Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes | S2 | Yes |
| TS | 23.237 | IP Multimedia Subsystem (IMS) Service Continuity; Stage 2 | S2 | Yes |
| TS | 23.240 | 3GPP Generic User Profile (GUP); Architecture (Stage 2) | S2 | Yes |
| TS | 23.246 | Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description | S2 | Yes |
| TS | 23.251 | Network sharing; Architecture and functional description | S2 | Yes |
| TS | 23.259 | Personal Network Management (PNM); Procedures and information flows; Stage 2 | C1 | Yes |
| TS | 23.261 | IP flow mobility and seamless Wireless Local Area Network (WLAN) offload; Stage 2 | S2 | Yes |
| TS | 23.271 | Functional stage 2 description of Location Services (LCS) | S2 | Yes |
| TS | 23.272 | Circuit Switched (CS) fallback in Evolved Packet System (EPS); Stage 2 | S2 | Yes |
| TS | 23.279 | Combining Circuit Switched (CS) and IP Multimedia Subsystem (IMS) services; Stage 2 | S2 | Yes |
| TS | 23.292 | IP Multimedia Subsystem (IMS) centralized services; Stage 2 | S2 | Yes |
| TS | 23.327 | Mobility between 3GPP-Wireless Local Area Network (WLAN) interworking and 3GPP systems | S2 | Yes |
| TS | 23.333 | Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions | C4 | Yes |
| TS | 23.334 | IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW) interface: Procedures descriptions | C4 | Yes |
| TS | 23.335 | User Data Convergence (UDC); Technical realization and information flows; Stage 2 | C4 | Yes |
| TS | 23.380 | IMS Restoration Procedures | C4 | Yes |
| TS | 23.401 | General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access | S2 | Yes |
| TS | 23.402 | Architecture enhancements for non-3GPP accesses | S2 | Yes |
| TR | 23.768 | Study on architecture enhancements to support Group Communication System Enablers for LTE (GCSE_LTE) | S2 | No |
| TR | 23.903 | Redial solution for voice-video switching | S2 | Yes |

| Type | Number | Title | Group | For publication? |
|------|--------|--------------------------------------------------------------------------------------------------------------------------------|-------|------------------|
| TR | 23.919 | Direct tunnel deployment guideline | S2 | Yes |
| TR | 23.975 | IPv6 migration guidelines | S2 | Yes |
| TR | 23.976 | Push architecture | S2 | Yes |
| TR | 23.979 | 3GPP enablers for Open Mobile Alliance (OMA); Push-to-talk over Cellular (PoC) services; Stage 2 | S2 | Yes |
| TR | 23.981 | Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations | S2 | Yes |
| TS | 24.007 | Mobile radio interface signalling layer 3; General Aspects | C1 | Yes |
| TS | 24.008 | Mobile radio interface Layer 3 specification; Core network protocols; Stage 3 | C1 | Yes |
| TS | 24.010 | Mobile radio interface layer 3; Supplementary services specification; General aspects | C4 | Yes |
| TS | 24.011 | Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface | C1 | Yes |
| TS | 24.030 | Location Services (LCS); Supplementary service operations; Stage 3 | C4 | Yes |
| TS | 24.080 | Mobile radio interface layer 3 supplementary services specification; Formats and coding | C4 | Yes |
| TS | 24.081 | Line Identification supplementary services; Stage 3 | C4 | Yes |
| TS | 24.109 | Bootstrapping interface (Ub) and network application function interface (Ua); Protocol details | C1 | Yes |
| TS | 24.135 | Multicall supplementary service; Stage 3 | C4 | Yes |
| TS | 24.139 | 3GPP system - fixed broadband access network interworking; Stage 3 | C1 | Yes |
| TS | 24.141 | Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3 | C1 | Yes |
| TS | 24.147 | Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3 | C1 | Yes |
| TS | 24.166 | 3GPP IP Multimedia Subsystem (IMS) conferencing Management Object (MO) | C1 | Yes |
| TS | 24.167 | 3GPP IMS Management Object (MO); Stage 3 | C1 | Yes |
| TS | 24.171 | Control Plane Location Services (LCS) procedures in the Evolved Packet System (EPS) | C4 | Yes |
| TS | 24.173 | IMS Multimedia telephony communication service and supplementary services; Stage 3 | C1 | Yes |
| TS | 24.182 | IP Multimedia Subsystem (IMS) Customized Alerting Tones (CAT); Protocol specification | C1 | Yes |
| TS | 24.216 | Communication Continuity Management Object (MO) | C1 | Yes |
| TS | 24.229 | IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 | C1 | Yes |
| TS | 24.234 | 3GPP system to Wireless Local Area Network (WLAN) interworking; WLAN User Equipment (WLAN UE) to network protocols; Stage 3 | C1 | Yes |
| TS | 24.237 | IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) service continuity; Stage 3 | C1 | Yes |
| TS | 24.238 | Session Initiation Protocol (SIP) based user configuration; Stage 3 | C1 | Yes |
| TS | 24.239 | Flexible Alerting (FA) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification | C1 | Yes |
| TS | 24.247 | Messaging service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3 | C1 | Yes |
| TS | 24.259 | Personal Network Management (PNM); Stage 3 | C1 | Yes |
| TS | 24.279 | Combining Circuit Switched (CS) and IP Multimedia Subsystem (IMS) services; Stage 3 | C1 | Yes |
| TS | 24.285 | Allowed Closed Subscriber Group (CSG) list; Management Object (MO) | C1 | Yes |
| TS | 24.286 | IP Multimedia (IM) Core Network (CN) subsystem Centralized Services (ICS); Management Object (MO) | C1 | Yes |
| TS | 24.292 | IP Multimedia (IM) Core Network (CN) subsystem Centralized Services (ICS); Stage 3 | C1 | Yes |
| TS | 24.294 | IP Multimedia Subsystem (IMS) Centralized Services (ICS) protocol via I1 interface | C1 | Yes |
| TS | 24.301 | Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS); Stage 3 | C1 | Yes |

| Type | Number | Title | Group | For publication? |
|------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|
| TS | 24.302 | Access to the 3GPP Evolved Packet Core (EPC) via non-3GPP access networks; Stage 3 | C1 | Yes |
| TS | 24.303 | Mobility management based on Dual-Stack Mobile IPv6; Stage 3 | C1 | Yes |
| TS | 24.304 | Mobility management based on Mobile IPv4; User Equipment (UE) - foreign agent interface; Stage 3 | C1 | Yes |
| TS | 24.305 | Selective Disabling of 3GPP User Equipment Capabilities (SDoUE) Management Object (MO) | C1 | Yes |
| TS | 24.312 | Access Network Discovery and Selection Function (ANDSF) Management Object (MO) | C1 | Yes |
| TS | 24.323 | 3GPP IP Multimedia Subsystem (IMS) service level tracing Management Object (MO) | C1 | Yes |
| TS | 24.337 | IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer; Stage 3 | C1 | Yes |
| TS | 24.341 | Support of SMS over IP networks; Stage 3 | C1 | Yes |
| TS | 24.368 | Non-Access Stratum (NAS) configuration Management Object (MO) | C1 | Yes |
| TS | 24.604 | Communication Diversion (CDIV) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification | C1 | Yes |
| TS | 24.605 | Conference (CONF) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification | C1 | Yes |
| TS | 24.606 | Message Waiting Indication (MWI) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification | C1 | Yes |
| TS | 24.607 | Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification | C1 | Yes |
| TS | 24.608 | Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification | C1 | Yes |
| TS | 24.610 | Communication HOLD (HOLD) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification | C1 | Yes |
| TS | 24.611 | Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification | C1 | Yes |
| TS | 24.615 | Communication Waiting (CW) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol Specification | C1 | Yes |
| TS | 24.616 | Malicious Communication Identification (MCID) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification | C1 | Yes |
| TS | 24.623 | Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services | C1 | Yes |
| TS | 24.628 | Common Basic Communication procedures using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification | C1 | Yes |
| TS | 24.629 | Explicit Communication Transfer (ECT) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification | C1 | Yes |
| TS | 24.642 | 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 | C1 | Yes |
| TS | 24.647 | Advice Of Charge (AOC) using IP Multimedia (IM) Core Network (CN) subsystem | C1 | Yes |
| TS | 24.654 | Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem, Protocol Specification | C1 | Yes |
| TR | 24.930 | Signalling flows for the session setup in the IP Multimedia core network Subsystem (IMS) based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 | C1 | Yes |
| TS | 26.071 | Mandatory speech CODEC speech processing functions; AMR speech Codec; General description | S4 | Yes |
| TS | 26.073 | ANSI-C code for the Adaptive Multi Rate (AMR) speech codec | S4 | Yes |
| TS | 26.074 | Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec test sequences | S4 | Yes |
| TS | 26.077 | Minimum performance requirements for noise suppresser; Application to the Adaptive Multi-Rate (AMR) speech encoder | S4 | Yes |

| Type | Number | Title | Group | For publication? |
|------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|
| TS | 26.090 | Mandatory Speech Codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Transcoding functions | S4 | Yes |
| TS | 26.091 | Mandatory Speech Codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Error concealment of lost frames | S4 | Yes |
| TS | 26.092 | Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Comfort noise aspects | S4 | Yes |
| TS | 26.093 | Mandatory speech codec speech processing functions Adaptive Multi-Rate (AMR) speech codec; Source controlled rate operation | S4 | Yes |
| TS | 26.094 | Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Voice Activity Detector (VAD) | S4 | Yes |
| TS | 26.101 | Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure | S4 | Yes |
| TS | 26.102 | Mandatory speech codec; Adaptive Multi-Rate (AMR) speech codec; Interface to Iu, Uu and Nb | S4 | Yes |
| TS | 26.104 | ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec | S4 | Yes |
| TS | 26.114 | IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction | S4 | Yes |
| TS | 26.115 | Echo control for speech and multimedia services | S4 | Yes |
| TS | 26.131 | Terminal acoustic characteristics for telephony; Requirements | S4 | Yes |
| TS | 26.132 | Speech and video telephony terminal acoustic test specification | S4 | Yes |
| TS | 26.140 | Multimedia Messaging Service (MMS); Media formats and codecs | S4 | Yes |
| TS | 26.141 | IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs | S4 | Yes |
| TS | 26.142 | Dynamic and Interactive Multimedia Scenes (DIMS) | S4 | Yes |
| TS | 26.150 | Syndicated Feed Reception (SFR) within 3GPP environments; Protocols and codecs | S4 | Yes |
| TS | 26.171 | Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; General description | S4 | Yes |
| TS | 26.173 | ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-WB) speech codec | S4 | Yes |
| TS | 26.174 | Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec test sequences | S4 | Yes |
| TS | 26.177 | Speech Enabled Services (SES); Distributed Speech Recognition (DSR) extended advanced front-end test sequences | S4 | Yes |
| TS | 26.190 | Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Transcoding functions | S4 | Yes |
| TS | 26.191 | Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Error concealment of erroneous or lost frames | S4 | Yes |
| TS | 26.192 | Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Comfort noise aspects | S4 | Yes |
| TS | 26.193 | Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Source controlled rate operation | S4 | Yes |
| TS | 26.194 | Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Voice Activity Detector (VAD) | S4 | Yes |
| TS | 26.201 | Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Frame structure | S4 | Yes |
| TS | 26.202 | Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Interface to Iu, Uu and Nb | S4 | Yes |
| TS | 26.204 | Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; ANSI-C code | S4 | Yes |
| TS | 26.233 | Transparent end-to-end Packet-switched Streaming service (PSS); General description | S4 | Yes |
| TS | 26.234 | Transparent end-to-end Packet-switched Streaming Service (PSS); Protocols and codecs | S4 | Yes |
| TS | 26.235 | Packet switched conversational multimedia applications; Default codecs | S4 | Yes |
| TS | 26.236 | Packet switched conversational multimedia applications; Transport protocols | S4 | Yes |
| TS | 26.237 | IP Multimedia Subsystem (IMS) based Packet Switch Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) User Service; Protocols | S4 | Yes |

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| TS | 26.243 | ANSI-C code for the fixed-point distributed speech recognition extended advanced front-end | S4 | Yes |
| TS | 26.244 | Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP) | S4 | Yes |
| TS | 26.245 | Transparent end-to-end Packet switched Streaming Service (PSS); Timed text format | S4 | Yes |
| TS | 26.246 | Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile | S4 | Yes |
| TS | 26.247 | Transparent end-to-end Packet-switched Streaming Service (PSS); Progressive Download and Dynamic Adaptive Streaming over HTTP (3GP-DASH) | S4 | Yes |
| TS | 26.273 | ANSI-C code for the fixed-point Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec | S4 | Yes |
| TS | 26.274 | Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec; Conformance testing | S4 | Yes |
| TS | 26.290 | Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions | S4 | Yes |
| TS | 26.304 | Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Floating-point ANSI-C code | S4 | Yes |
| TS | 26.346 | Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs | S4 | Yes |
| TS | 26.401 | General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description | S4 | Yes |
| TS | 26.402 | General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools | S4 | Yes |
| TS | 26.403 | General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Advanced Audio Coding (AAC) part | S4 | Yes |
| TS | 26.404 | General audio codec audio processing functions; Enhanced aacPlus general audio codec; Enhanced aacPlus encoder Spectral Band Replication (SBR) part | S4 | Yes |
| TS | 26.405 | General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification parametric stereo part | S4 | Yes |
| TS | 26.406 | General audio codec audio processing functions; Enhanced aacPlus general audio codec; Conformance testing | S4 | Yes |
| TS | 26.410 | General audio codec audio processing functions; Enhanced aacPlus general audio codec; Floating-point ANSI-C code | S4 | Yes |
| TS | 26.411 | General audio codec audio processing functions; Enhanced aacPlus general audio codec; Fixed-point ANSI-C code | S4 | Yes |
| TS | 26.412 | Source code for 3GP file format | S4 | Yes |
| TS | 26.430 | Timed graphics | S4 | Yes |
| TR | 26.902 | Video codec performance | S4 | Yes |
| TR | 26.903 | Improved video support for Packet Switched Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) Services | S4 | Yes |
| TR | 26.904 | Improved video coding support | S4 | Yes |
| TR | 26.906 | Evaluation of High Efficiency Video Coding (HEVC) for 3GPP services | S4 | Yes |
| TR | 26.914 | Multimedia telephony over IP Multimedia Subsystem (IMS); Optimization opportunities | S4 | Yes |
| TR | 26.935 | Packet Switched (PS) conversational multimedia applications; Performance characterisation of default codecs | S4 | Yes |
| TR | 26.936 | Performance characterization of 3GPP audio codecs | S4 | Yes |
| TR | 26.937 | Transparent end-to-end Packet-switched Streaming Service (PSS); Real-time Transport Protocol (RTP) usage model | S4 | Yes |
| TR | 26.943 | Recognition performance evaluations of codecs for Speech Enabled Services (SES) | S4 | Yes |
| TR | 26.946 | Multimedia Broadcast/Multicast Service (MBMS) user service guidelines | S4 | Yes |
| TR | 26.950 | Study on Surround Sound codec extension for Packet Switched Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) | S4 | Yes |
| TR | 26.975 | Performance characterization of the Adaptive Multi-Rate (AMR) speech codec | S4 | Yes |
| TR | 26.976 | Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec | S4 | Yes |

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| TR | 26.978 | Results of the Adaptive Multi-Rate (AMR) noise suppression selection phase | S4 | Yes |
| TS | 27.001 | General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) | C3 | Yes |
| TS | 27.002 | Terminal Adaptation Functions (TAF) for services using asynchronous bearer capabilities | C3 | Yes |
| TS | 27.003 | Terminal Adaptation Functions (TAF) for services using synchronous bearer capabilities | C3 | Yes |
| TS | 27.005 | Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE - DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS) | C1 | Yes |
| TS | 27.007 | AT command set for User Equipment (UE) | C1 | Yes |
| TS | 27.010 | Terminal Equipment to User Equipment (TE-UE) multiplexer protocol | C3 | Yes |
| TS | 27.060 | Packet domain; Mobile Station (MS) supporting Packet Switched services | C3 | Yes |
| TS | 28.402 | Telecommunication management; Performance Management (PM); Performance measurements for Evolved Packet Core (EPC) and non-3GPP access interworking system | S5 | Yes |
| TS | 29.010 | Information element mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MSC); Signalling Procedures and the Mobile Application Part (MAP) | C4 | Yes |
| TS | 29.061 | Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN) | C3 | Yes |
| TS | 29.108 | Application of the Radio Access Network Application Part (RANAP) on the E-interface | R3 | Yes |
| TS | 29.109 | Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Stage 3 | C4 | Yes |
| TS | 29.118 | Mobility Management Entity (MME) - Visitor Location Register (VLR) SGs interface specification | C1 | Yes |
| TS | 29.139 | 3GPP system - fixed broadband access network interworking; Home (e)Node B - security gateway interface | C4 | Yes |
| TS | 29.162 | Interworking between the IM CN subsystem and IP networks | C3 | Yes |
| TS | 29.163 | Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks | C3 | Yes |
| TS | 29.165 | Inter-IMS Network to Network Interface (NNI) | C3 | Yes |
| TS | 29.168 | Cell Broadcast Centre interfaces with the Evolved Packet Core; Stage 3 | C4 | Yes |
| TS | 29.171 | Location Services (LCS); LCS Application Protocol (LCS-AP) between the Mobile Management Entity (MME) and Evolved Serving Mobile Location Centre (E-SMLC); SLs interface | C4 | Yes |
| TS | 29.172 | Location Services (LCS); Evolved Packet Core (EPC) LCS Protocol (ELP) between the Gateway Mobile Location Centre (GMLC) and the Mobile Management Entity (MME); SLg interface | C4 | Yes |
| TS | 29.173 | Location Services (LCS); Diameter-based SLh interface for Control Plane LCS | C4 | Yes |
| TS | 29.202 | Signalling System No. 7 (SS7) signalling transport in core network; Stage 3 | C4 | Yes |
| TS | 29.204 | Signalling System No. 7 (SS7) security gateway; Architecture, functional description and protocol details | C4 | Yes |
| TS | 29.212 | Policy and Charging Control (PCC); Reference points | C3 | Yes |
| TS | 29.213 | Policy and charging control signalling flows and Quality of Service (QoS) parameter mapping | C3 | Yes |
| TS | 29.214 | Policy and charging control over Rx reference point | C3 | Yes |
| TS | 29.215 | Policy and Charging Control (PCC) over S9 reference point; Stage 3 | C3 | Yes |
| TS | 29.228 | IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents | C4 | Yes |
| TS | 29.229 | Cx and Dx interfaces based on the Diameter protocol; Protocol details | C4 | Yes |
| TS | 29.230 | Diameter applications; 3GPP specific codes and identifiers | C4 | Yes |
| TS | 29.231 | Application of SIP-I Protocols to Circuit Switched (CS) core network architecture; Stage 3 | C4 | Yes |
| TS | 29.232 | Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3 | C4 | Yes |
| TS | 29.235 | Interworking between SIP-I based circuit-switched core network and other | C3 | Yes |

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| | | networks | | |
| TS | 29.238 | Interconnection Border Control Functions (IBCF) - Transition Gateway (TrGW) interface, Ix interface; Stage 3 | C4 | Yes |
| TS | 29.240 | 3GPP Generic User Profile (GUP); Stage 3; Network | C4 | Yes |
| TS | 29.272 | Evolved Packet System (EPS); Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol | C4 | Yes |
| TS | 29.273 | Evolved Packet System (EPS); 3GPP EPS AAA interfaces | C4 | Yes |
| TS | 29.274 | 3GPP Evolved Packet System (EPS); Evolved General Packet Radio Service (GPRS) Tunnelling Protocol for Control plane (GTPv2-C); Stage 3 | C4 | Yes |
| TS | 29.275 | Proxy Mobile IPv6 (PMIPv6) based Mobility and Tunnelling protocols; Stage 3 | C4 | Yes |
| TS | 29.276 | 3GPP Evolved Packet System (EPS); Optimized handover procedures and protocols between E-UTRAN access and cdma2000 HRPD Access; Stage 3 | C4 | Yes |
| TS | 29.277 | Optimised handover procedures and protocol between EUTRAN access and non-3GPP accesses (S102); Stage 3 | C4 | Yes |
| TS | 29.279 | Mobile IPv4 (MIPv4) based mobility protocols; Stage 3 | C4 | Yes |
| TS | 29.280 | Evolved Packet System (EPS); 3GPP Sv interface (MME to MSC, and SGSN to MSC) for SRVCC | C4 | Yes |
| TS | 29.281 | General Packet Radio System (GPRS) Tunnelling Protocol User Plane (GTPv1-U) | C4 | Yes |
| TS | 29.282 | Mobile IPv6 vendor specific option format and usage within 3GPP | C4 | Yes |
| TS | 29.292 | Interworking between the IP Multimedia (IM) Core Network (CN) subsystem (IMS) and MSC Server for IMS Centralized Services (ICS) | C3 | Yes |
| TS | 29.303 | Domain Name System Procedures; Stage 3 | C4 | Yes |
| TS | 29.305 | InterWorking Function (IWF) between MAP based and Diameter based interfaces | C4 | Yes |
| TS | 29.311 | Service Level Interworking (SLI) for messaging services | C3 | Yes |
| TS | 29.328 | IP Multimedia (IM) Subsystem Sh interface; Signalling flows and message contents | C4 | Yes |
| TS | 29.329 | Sh interface based on the Diameter protocol; Protocol details | C4 | Yes |
| TS | 29.332 | Media Gateway Control Function (MGCF) - IM Media Gateway; Mn interface | C4 | Yes |
| TS | 29.333 | Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3 | C4 | Yes |
| TS | 29.334 | IMS Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW); Iq Interface; Stage 3 | C4 | Yes |
| TS | 29.335 | User Data Convergence (UDC); User data repository access protocol over the Ud interface; Stage 3 | C4 | Yes |
| TS | 29.364 | IP Multimedia Subsystem (IMS) Application Server (AS) service data descriptions for AS interoperability | C4 | Yes |
| TS | 29.368 | Tsp interface protocol between the MTC Interworking Function (MTC-IWF) and Service Capability Server (SCS) | C3 | Yes |
| TS | 29.414 | Core network Nb data transport and transport signalling | C3 | Yes |
| TS | 29.415 | Core network Nb interface user plane protocols | C3 | Yes |
| TS | 29.658 | SIP Transfer of IP Multimedia Service Tariff Information; Protocol specification | C3 | Yes |
| TR | 29.909 | Diameter-based protocols usage and recommendations in 3GPP | C3 | Yes |
| TR | 29.994 | Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults | C1 | Yes |
| TS | 31.101 | UICC-terminal interface; Physical and logical characteristics | C6 | Yes |
| TS | 31.102 | Characteristics of the Universal Subscriber Identity Module (USIM) application | C6 | Yes |
| TS | 31.103 | Characteristics of the IP Multimedia Services Identity Module (ISIM) application | C6 | Yes |
| TS | 31.111 | Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) | C6 | Yes |
| TS | 31.115 | Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications | C6 | Yes |
| TS | 31.116 | Remote APDU Structure for (U)SIM Toolkit applications | C6 | Yes |
| TS | 31.120 | UICC-terminal interface; Physical, electrical and logical test specification | C6 | Yes |
| TS | 31.121 | UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification | C6 | Yes |

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| TS | 31.122 | Universal Subscriber Identity Module (USIM) conformance test specification | C6 | Yes |
| TS | 31.124 | Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification | C6 | Yes |
| TS | 31.130 | (U)SIM Application Programming Interface (API); (U)SIM API for Java™ Card | C6 | Yes |
| TS | 31.131 | C-language binding to (U)SIM API | C6 | Yes |
| TS | 31.133 | IP Multimedia Services Identity Module (ISIM) Application Programming Interface (API); ISIM API for Java Card™ | C6 | Yes |
| TS | 31.134 | Mobile Equipment (ME) conformance test specification; IP Multimedia Services Identity Module (ISIM) interworking with IP Multimedia Subsystem (IMS) test specification | C6 | Yes |
| TS | 31.213 | Test specification for (U)SIM; Application Programming Interface (API) for Java Card™ | C6 | Yes |
| TS | 31.220 | Characteristics of the Contact Manager for 3GPP UICC applications | C6 | Yes |
| TS | 31.221 | Contact Manager Application Programming Interface (API); Contact Manager API for Java Card | C6 | Yes |
| TR | 31.900 | SIM/USIM internal and external interworking aspects | C6 | Yes |
| TS | 32.101 | Telecommunication management; Principles and high level requirements | S5 | Yes |
| TS | 32.102 | Telecommunication management; Architecture | S5 | Yes |
| TS | 32.103 | Telecommunication management; Integration Reference Point (IRP) overview and usage guide | S5 | Yes |
| TS | 32.111-1 | Telecommunication management; Fault Management; Part 1: 3G fault management requirements | S5 | Yes |
| TS | 32.111-2 | Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS) | S5 | Yes |
| TS | 32.111-6 | Telecommunication management; Fault Management; Part 6: Alarm Integration Reference Point (IRP): Solution Set (SS) definitions | S5 | Yes |
| TS | 32.121 | Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP): Requirements | S5 | Yes |
| TS | 32.122 | Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP): Information Service (IS) | S5 | Yes |
| TS | 32.126 | Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP); Solution Set (SS) definitions | S5 | Yes |
| TS | 32.140 | Telecommunication management; Subscription Management (SuM) requirements | S5 | Yes |
| TS | 32.141 | Telecommunication management; Subscription Management (SuM) architecture | S5 | Yes |
| TS | 32.150 | Telecommunication management; Integration Reference Point (IRP) Concept and definitions | S5 | Yes |
| TS | 32.151 | Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template | S5 | Yes |
| TS | 32.152 | Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire | S5 | Yes |
| TS | 32.153 | Telecommunication management; Integration Reference Point (IRP) technology specific templates, rules and guidelines | S5 | Yes |
| TS | 32.154 | Telecommunication management; Backward and Forward Compatibility (BFC); Concept and definitions | S5 | Yes |
| TS | 32.155 | Telecommunication management; Requirements template | S5 | Yes |
| TS | 32.240 | Telecommunication management; Charging management; Charging architecture and principles | S5 | Yes |
| TS | 32.251 | Telecommunication management; Charging management; Packet Switched (PS) domain charging | S5 | Yes |
| TS | 32.260 | Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging | S5 | Yes |
| TS | 32.270 | Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging | S5 | Yes |
| TS | 32.271 | Telecommunication management; Charging management; Location Services (LCS) charging | S5 | Yes |
| TS | 32.272 | Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging | S5 | Yes |

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| TS | 32.273 | Telecommunication management; Charging management; Multimedia Broadcast and Multicast Service (MBMS) charging | S5 | Yes |
| TS | 32.274 | Telecommunication management; Charging management; Short Message Service (SMS) charging | S5 | Yes |
| TS | 32.275 | Telecommunication management; Charging management; MultiMedia Telephony (MMTel) charging | S5 | Yes |
| TS | 32.280 | Telecommunication management; Charging management; Advice of Charge (AoC) service | S5 | Yes |
| TS | 32.295 | Telecommunication management; Charging management; Charging Data Record (CDR) transfer | S5 | Yes |
| TS | 32.296 | Telecommunication management; Charging management; Online Charging System (OCS): Applications and interfaces | S5 | Yes |
| TS | 32.297 | Telecommunication management; Charging management; Charging Data Record (CDR) file format and transfer | S5 | Yes |
| TS | 32.299 | Telecommunication management; Charging management; Diameter charging applications | S5 | Yes |
| TS | 32.300 | Telecommunication management; Configuration Management (CM); Name convention for Managed Objects | S5 | Yes |
| TS | 32.301 | Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); Requirements | S5 | Yes |
| TS | 32.302 | Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |
| TS | 32.311 | Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements | S5 | Yes |
| TS | 32.312 | Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS) | S5 | Yes |
| TS | 32.316 | Telecommunication management; Generic Integration Reference Point (IRP) management; Solution Set (SS) definitions | S5 | Yes |
| TS | 32.321 | Telecommunication management; Test management Integration Reference Point (IRP); Requirements | S5 | Yes |
| TS | 32.322 | Telecommunication management; Test management Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |
| TS | 32.326 | Telecommunication management; Test management Integration Reference Point (IRP): Solution Set (SS) definitions | S5 | Yes |
| TS | 32.331 | Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Requirements | S5 | Yes |
| TS | 32.332 | Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |
| TS | 32.336 | Telecommunication management; Notification Log (NL) Integration Reference Point (IRP): Solution Set (SS) definitions | S5 | Yes |
| TS | 32.341 | Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Requirements | S5 | Yes |
| TS | 32.342 | Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |
| TS | 32.346 | Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Solution Set (SS) definitions | S5 | Yes |
| TS | 32.351 | Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Requirements | S5 | Yes |
| TS | 32.352 | Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |
| TS | 32.356 | Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Solution Set (SS) definitions | S5 | Yes |
| TS | 32.361 | Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Requirements | S5 | Yes |
| TS | 32.362 | Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |
| TS | 32.366 | Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Solution Set (SS) definitions | S5 | Yes |

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| TS | 32.371 | Telecommunication management; Security Management concept and requirements | S5 | Yes |
| TS | 32.372 | Telecommunication management; Security services for Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |
| TS | 32.376 | Telecommunication management; Security services for Integration Reference Point (IRP); Solution Set (SS) definitions | S5 | Yes |
| TS | 32.381 | Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Requirements | S5 | Yes |
| TS | 32.382 | Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |
| TS | 32.386 | Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Solution Set (SS) definitions | S5 | Yes |
| TS | 32.391 | Telecommunication management; Delta synchronization Integration Reference Point (IRP); Requirements | S5 | Yes |
| TS | 32.392 | Telecommunication management; Delta synchronization Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |
| TS | 32.396 | Telecommunication management; Delta synchronization Integration Reference Point (IRP); Solution Set (SS) definitions | S5 | Yes |
| TS | 32.401 | Telecommunication management; Performance Management (PM); Concept and requirements | S5 | Yes |
| TS | 32.404 | Telecommunication management; Performance Management (PM); Performance measurements; Definitions and template | S5 | Yes |
| TS | 32.405 | Telecommunication management; Performance Management (PM); Performance measurements; Universal Terrestrial Radio Access Network (UTRAN) | S5 | Yes |
| TS | 32.406 | Telecommunication management; Performance Management (PM); Performance measurements; Core Network (CN) Packet Switched (PS) domain | S5 | Yes |
| TS | 32.408 | Telecommunication management; Performance Management (PM); Performance measurements; Teleservice | S5 | Yes |
| TS | 32.409 | Telecommunication management; Performance Management (PM); Performance measurements; IP Multimedia Subsystem (IMS) | S5 | Yes |
| TS | 32.410 | Telecommunication management; Key Performance Indicators (KPI) for UMTS and GSM | S5 | Yes |
| TS | 32.411 | Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements | S5 | Yes |
| TS | 32.412 | Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS) | S5 | Yes |
| TS | 32.416 | Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); Solution Set (SS) definitions | S5 | Yes |
| TS | 32.421 | Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements | S5 | Yes |
| TS | 32.422 | Telecommunication management; Subscriber and equipment trace; Trace control and configuration management | S5 | Yes |
| TS | 32.423 | Telecommunication management; Subscriber and equipment trace; Trace data definition and management | S5 | Yes |
| TS | 32.425 | Telecommunication management; Performance Management (PM); Performance measurements Evolved Universal Terrestrial Radio Access Network (E-UTRAN) | S5 | Yes |
| TS | 32.426 | Telecommunication management; Performance Management (PM); Performance measurements Evolved Packet Core (EPC) network | S5 | Yes |
| TS | 32.432 | Telecommunication management; Performance measurement: File format definition | S5 | Yes |
| TS | 32.435 | Telecommunication management; Performance measurement; eXtensible Markup Language (XML) file format definition | S5 | Yes |
| TS | 32.436 | Telecommunication management; Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition | S5 | Yes |
| TS | 32.441 | Telecommunication management; Trace Management Integration Reference Point (IRP); Requirements | S5 | Yes |
| TS | 32.442 | Telecommunication management; Trace Management Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |

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| TS | 32.446 | Telecommunication management; Trace Management Integration Reference Point (IRP); Solution Set (SS) definitions | S5 | Yes |
| TS | 32.450 | Telecommunication management; Key Performance Indicators (KPI) for Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Definitions | S5 | Yes |
| TS | 32.451 | Telecommunication management; Key Performance Indicators (KPI) for Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Requirements | S5 | Yes |
| TS | 32.452 | Telecommunication management; Performance Management (PM); Performance measurements Home Node B (HNB) Subsystem (HNS) | S5 | Yes |
| TS | 32.453 | Telecommunication management; Performance Management (PM); Performance measurements Home enhanced Node B (HeNB) Subsystem (HeNS) | S5 | Yes |
| TS | 32.454 | Telecommunication management; Key Performance Indicators (KPI) for the IP Multimedia Subsystem (IMS); Definitions | S5 | Yes |
| TS | 32.455 | Telecommunication management; Key Performance Indicators (KPI) for the Evolved Packet Core (EPC); Definitions | S5 | Yes |
| TS | 32.500 | Telecommunication management; Self-Organizing Networks (SON); Concepts and requirements | S5 | Yes |
| TS | 32.501 | Telecommunication management; Self-configuration of network elements; Concepts and requirements | S5 | Yes |
| TS | 32.502 | Telecommunication management; Self-configuration of network elements Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |
| TS | 32.506 | Telecommunication management; Self-configuration of network elements Integration Reference Point (IRP); Solution Set (SS) definitions | S5 | Yes |
| TS | 32.511 | Telecommunication management; Automatic Neighbour Relation (ANR) management; Concepts and requirements | S5 | Yes |
| TS | 32.531 | Telecommunication management; Software management (SwM); Concepts and Integration Reference Point (IRP) Requirements | S5 | Yes |
| TS | 32.532 | Telecommunication management; Software management (SwM); Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |
| TS | 32.536 | Telecommunication management; Software management Integration Reference Point (IRP); Solution Set (SS) definitions | S5 | Yes |
| TS | 32.541 | Telecommunication management; Self-Organizing Networks (SON); Self-healing concepts and requirements | S5 | Yes |
| TS | 32.551 | Telecommunication management; Energy Saving Management (ESM); Concepts and requirements | S5 | Yes |
| TS | 32.571 | Telecommunication management; Home Node B (HNB) and Home eNode B (HeNB) management; Type 2 interface concepts and requirements | S5 | Yes |
| TS | 32.572 | Telecommunication management; Home Node B (HNB) and Home eNode B (HeNB) management; Type 2 interface models and mapping functions | S5 | Yes |
| TS | 32.581 | Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Concepts and requirements for Type 1 interface HNB to HNB Management System (HMS) | S5 | Yes |
| TS | 32.582 | Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Information model for Type 1 interface HNB to HNB Management System (HMS) | S5 | Yes |
| TS | 32.583 | Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Procedure flows for Type 1 interface HNB to HNB Management System (HMS) | S5 | Yes |
| TS | 32.584 | Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); XML definitions for Type 1 interface HNB to HNB Management System (HMS) | S5 | Yes |
| TS | 32.591 | Telecommunication management; Home enhanced Node B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Concepts and requirements for Type 1 interface HeNB to HeNB Management System (HeMS) | S5 | Yes |
| TS | 32.592 | Telecommunication management; Home enhanced Node B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Information model for Type 1 interface HeNB to HeNB Management System (HeMS) | S5 | Yes |
| TS | 32.593 | Telecommunication management; Home enhanced Node B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Procedure flows for Type 1 interface HeNB to HeNB Management System (HeMS) | S5 | Yes |

| Type | Number | Title | Group | For publication? |
|------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|
| TS | 32.594 | Telecommunication management; Home enhanced Node B (HeNB) Operations, Administration, Maintenance and Provisioning (OAM&P); XML definitions for Type 1 interface HeNB to HeNB Management System (HeMS) | S5 | Yes |
| TS | 32.600 | Telecommunication management; Configuration Management (CM); Concept and high-level requirements | S5 | Yes |
| TS | 32.601 | Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements | S5 | Yes |
| TS | 32.602 | Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |
| TS | 32.606 | Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Solution Set (SS) definitions | S5 | Yes |
| TS | 32.611 | Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Requirements | S5 | Yes |
| TS | 32.612 | Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information Service (IS) | S5 | Yes |
| TS | 32.616 | Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Solution Set (SS) definitions | S5 | Yes |
| TS | 32.661 | Telecommunication management; Configuration Management (CM); Kernel CM Requirements | S5 | Yes |
| TS | 32.662 | Telecommunication management; Configuration Management (CM); Kernel CM Information Service (IS) | S5 | Yes |
| TS | 32.666 | Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP); Solution Set (SS) definitions | S5 | Yes |
| TS | 32.690 | Telecommunication management; Inventory Management (IM); Requirements | S5 | Yes |
| TR | 32.901 | Telecommunication management; Study on User Data Convergence (UDC) information model handling and provisioning: Example use cases | S5 | Yes |
| TS | 33.102 | 3G security; Security architecture | S3 | Yes |
| TS | 33.105 | 3G Security; Cryptographic algorithm requirements | S3 | Yes |
| TS | 33.106 | 3G security; Lawful interception requirements | S3 | Yes |
| TS | 33.107 | 3G security; Lawful interception architecture and functions | S3 | Yes |
| TS | 33.108 | 3G security; Handover interface for Lawful Interception (LI) | S3 | Yes |
| TS | 33.110 | Key establishment between a Universal Integrated Circuit Card (UICC) and a terminal | S3 | Yes |
| TS | 33.141 | Presence service; Security | S3 | Yes |
| TS | 33.203 | 3G security; Access security for IP-based services | S3 | Yes |
| TS | 33.204 | 3G Security; Network Domain Security (NDS); Transaction Capabilities Application Part (TCAP) user security | S3 | Yes |
| TS | 33.210 | 3G security; Network Domain Security (NDS); IP network layer security | S3 | Yes |
| TS | 33.220 | Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) | S3 | Yes |
| TS | 33.221 | Generic Authentication Architecture (GAA); Support for subscriber certificates | S3 | Yes |
| TS | 33.222 | Generic Authentication Architecture (GAA); Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS) | S3 | Yes |
| TS | 33.223 | Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) Push function | S3 | Yes |
| TS | 33.224 | Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) push layer | S3 | Yes |
| TS | 33.234 | 3G security; Wireless Local Area Network (WLAN) interworking security | S3 | Yes |
| TS | 33.246 | 3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS) | S3 | Yes |
| TS | 33.259 | Key establishment between a UICC hosting device and a remote device | S3 | Yes |
| TS | 33.269 | Public Warning System (PWS) security architecture | S3 | Yes |
| TS | 33.310 | Network Domain Security (NDS); Authentication Framework (AF) | S3 | Yes |
| TS | 33.401 | 3GPP System Architecture Evolution (SAE); Security architecture | S3 | Yes |
| TS | 33.402 | 3GPP System Architecture Evolution (SAE); Security aspects of non-3GPP accesses | S3 | Yes |

| Type | Number | Title | Group | For publication? |
|------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|
| TR | 33.829 | Extended IP Multimedia Subsystem (IMS) media plane security features | S3 | No |
| TR | 33.868 | Study on security aspects of Machine-Type Communications (MTC) and other mobile data applications communications enhancements | S3 | No |
| TR | 33.905 | Recommendations for Trusted Open Platforms | S3 | Yes |
| TR | 33.919 | 3G Security; Generic Authentication Architecture (GAA); System description | S3 | Yes |
| TR | 33.937 | Study of mechanisms for Protection against Unsolicited Communication for IMS (PUCI) | S3 | Yes |
| TR | 33.969 | Study on security aspects of Public Warning System (PWS) | S3 | No |
| TR | 33.980 | Liberty Alliance and 3GPP security interworking; Interworking of Liberty Alliance Identity Federation Framework (ID-FF), Identity Web Services Framework (ID-WSF) and Generic Authentication Architecture (GAA) | S3 | Yes |
| TS | 34.108 | Common test environments for User Equipment (UE); Conformance testing | R5 | Yes |
| TS | 34.114 | User Equipment (UE) / Mobile Station (MS) Over The Air (OTA) antenna performance; Conformance testing | R5 | Yes |
| TS | 34.123-1 | User Equipment (UE) conformance specification; Part 1: Protocol conformance specification | R5 | Yes |
| TS | 34.123-2 | User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) proforma specification | R5 | Yes |
| TS | 34.123-3 | User Equipment (UE) conformance specification; Part 3: Abstract test suite (ATS) | R5 | Yes |
| TS | 34.124 | Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment | R4 | Yes |
| TS | 34.131 | Test Specification for C-language binding to (Universal) Subscriber Interface Module ((U)SIM) Application Programming Interface (API) | C6 | Yes |
| TS | 34.229-1 | 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 | R5 | Yes |
| TS | 34.229-2 | 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 | R5 | Yes |
| TS | 34.229-3 | 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) | R5 | Yes |
| TS | 34.229-4 | Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 4: Enabler for IP multimedia applications testing | R5 | Yes |
| TR | 34.926 | Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment | R4 | Yes |
| TS | 35.201 | 3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specification | S3 | Yes |
| TS | 35.202 | 3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi specification | S3 | Yes |
| TS | 35.203 | 3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data | S3 | Yes |
| TS | 35.204 | 3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data | S3 | Yes |
| TS | 35.205 | 3G Security; Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General | S3 | Yes |
| TS | 35.206 | 3G Security; Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification | S3 | Yes |
| TS | 35.207 | 3G Security; Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data | S3 | Yes |
| TS | 35.208 | 3G Security; Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data | S3 | Yes |

| Type | Number | Title | Group | For publication? |
|------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|
| TS | 35.215 | Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 1: UEA2 and UIA2 specifications | S3 | Yes |
| TS | 35.216 | Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 2: SNOW 3G specification | S3 | Yes |
| TS | 35.217 | Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 3: Implementors' test data | S3 | Yes |
| TS | 35.218 | Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 4: Design conformance test data | S3 | Yes |
| TS | 35.221 | Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3; Document 1: EEA3 and EIA3 specifications | S3 | Yes |
| TS | 35.222 | Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3; Document 2: ZUC specification | S3 | Yes |
| TS | 35.223 | Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3; Document 3: Implementors' test data | S3 | Yes |
| TR | 35.909 | 3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation | S3 | Yes |
| TR | 35.919 | Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 5: Design and evaluation report | S3 | Yes |
| TR | 35.924 | Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3; Document 4: Design and Evaluation Report | S3 | Yes |
| TS | 36.101 | Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception | R4 | Yes |
| TS | 36.104 | Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception | R4 | Yes |
| TS | 36.106 | Evolved Universal Terrestrial Radio Access (E-UTRA); FDD repeater radio transmission and reception | R4 | Yes |
| TS | 36.113 | Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) | R4 | Yes |
| TS | 36.124 | Evolved Universal Terrestrial Radio Access (E-UTRA); Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment | R4 | Yes |
| TS | 36.133 | Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for support of radio resource management | R4 | Yes |
| TS | 36.141 | Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing | R4 | Yes |
| TS | 36.143 | Evolved Universal Terrestrial Radio Access (E-UTRA); FDD repeater conformance testing | R4 | Yes |
| TS | 36.171 | Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements for Support of Assisted Global Navigation Satellite System (A-GNSS) | R4 | Yes |
| TS | 36.201 | Evolved Universal Terrestrial Radio Access (E-UTRA); LTE physical layer; General description | R1 | Yes |
| TS | 36.211 | Evolved Universal Terrestrial Radio Access (E-UTRA); Physical channels and modulation | R1 | Yes |
| TS | 36.212 | Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding | R1 | Yes |
| TS | 36.213 | Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer procedures | R1 | Yes |
| TS | 36.214 | Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer; Measurements | R1 | Yes |
| TS | 36.300 | Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Overall description; Stage 2 | R2 | Yes |
| TS | 36.302 | Evolved Universal Terrestrial Radio Access (E-UTRA); Services provided by the physical layer | R2 | Yes |
| TS | 36.304 | Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) procedures in idle mode | R2 | Yes |
| TS | 36.305 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Stage 2 functional specification of User Equipment (UE) positioning in E-UTRAN | R2 | Yes |
| TS | 36.306 | Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities | R2 | Yes |

| Type | Number | Title | Group | For publication? |
|------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|
| TS | 36.307 | Evolved Universal Terrestrial Radio Access (E-UTRA); Requirements on User Equipments (UEs) supporting a release-independent frequency band | R4 | Yes |
| TS | 36.314 | Evolved Universal Terrestrial Radio Access (E-UTRA); Layer 2 - Measurements | R2 | Yes |
| TS | 36.321 | Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC) protocol specification | R2 | Yes |
| TS | 36.322 | Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Link Control (RLC) protocol specification | R2 | Yes |
| TS | 36.323 | Evolved Universal Terrestrial Radio Access (E-UTRA); Packet Data Convergence Protocol (PDCP) specification | R2 | Yes |
| TS | 36.331 | Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification | R2 | Yes |
| TS | 36.355 | Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol (LPP) | R2 | Yes |
| TS | 36.401 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Architecture description | R3 | Yes |
| TS | 36.410 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 general aspects and principles | R3 | Yes |
| TS | 36.411 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 layer 1 | R3 | Yes |
| TS | 36.412 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 signalling transport | R3 | Yes |
| TS | 36.413 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) | R3 | Yes |
| TS | 36.414 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 data transport | R3 | Yes |
| TS | 36.420 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 general aspects and principles | R3 | Yes |
| TS | 36.421 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 layer 1 | R3 | Yes |
| TS | 36.422 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 signalling transport | R3 | Yes |
| TS | 36.423 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 Application Protocol (X2AP) | R3 | Yes |
| TS | 36.424 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 data transport | R3 | Yes |
| TS | 36.440 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); General aspects and principles for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN | R3 | Yes |
| TS | 36.441 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Layer 1 for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN | R3 | Yes |
| TS | 36.442 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Signalling Transport for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN | R3 | Yes |
| TS | 36.443 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M2 Application Protocol (M2AP) | R3 | Yes |
| TS | 36.444 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M3 Application Protocol (M3AP) | R3 | Yes |
| TS | 36.445 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M1 data transport | R3 | Yes |
| TS | 36.455 | Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol A (LPPa) | R3 | Yes |
| TS | 36.456 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); SLm interface general aspects and principles | R3 | Yes |
| TS | 36.457 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); SLm interface layer 1 | R3 | Yes |
| TS | 36.458 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); SLm interface signalling transport | R3 | Yes |
| TS | 36.459 | Evolved Universal Terrestrial Radio Access Network (E-UTRAN); SLm interface Application Protocol (SLmAP) | R3 | Yes |

| Type | Number | Title | Group | For publication? |
|------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|
| TS | 36.508 | Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Common test environments for User Equipment (UE) conformance testing | R5 | Yes |
| TS | 36.509 | Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Special conformance testing functions for User Equipment (UE) | R5 | Yes |
| TS | 36.521-1 | Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: Conformance testing | R5 | Yes |
| TS | 36.521-2 | Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Implementation Conformance Statement (ICS) | R5 | Yes |
| TS | 36.521-3 | Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Radio Resource Management (RRM) conformance testing | R5 | Yes |
| TS | 36.523-1 | Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification | R5 | Yes |
| TS | 36.523-2 | 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 | R5 | Yes |
| TS | 36.523-3 | Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 3: Test suites | R5 | Yes |
| TR | 36.833-1-23 | Evolved Universal Terrestrial Radio Access (E-UTRA); LTE-Advanced intra-band contiguous Carrier Aggregation (CA) in Band 23 | R4 | No |
| TR | 36.833-2-23 | Evolved Universal Terrestrial Radio Access (E-UTRA); LTE-Advanced intra-band non-contiguous Carrier Aggregation (CA) in Band 23 | R4 | No |
| TR | 36.836 | Evolved Universal Terrestrial Radio Access (E-UTRA); Study on mobile relay | R3 | No |
| TR | 36.866 | Study on Network-Assisted Interference Cancellation and Suppression (NAIC) for LTE | R1 | No |
| TR | 36.872 | Small cell enhancements for E-UTRA and E-UTRAN - Physical layer aspects | R1 | No |
| TR | 36.874 | Coordinated multi-point operation for LTE with non-ideal backhaul | R1 | No |
| TR | 36.888 | Study on provision of low-cost Machine-Type Communications (MTC) User Equipments (UEs) based on LTE | R1 | No |
| TR | 36.903 | 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 | R5 | Yes |
| TR | 36.921 | Evolved Universal Terrestrial Radio Access (E-UTRA); FDD Home eNode B (HeNB) Radio Frequency (RF) requirements analysis | R4 | Yes |
| TR | 36.922 | Evolved Universal Terrestrial Radio Access (E-UTRA); TDD Home eNode B (HeNB) Radio Frequency (RF) requirements analysis | R4 | Yes |
| TR | 36.931 | Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Frequency (RF) requirements for LTE Pico Node B | R4 | Yes |
| TR | 36.942 | Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Frequency (RF) system scenarios | R4 | Yes |
| TS | 37.104 | E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception | R4 | Yes |
| TS | 37.113 | E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) | R4 | Yes |
| TS | 37.141 | E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing | R4 | Yes |
| TS | 37.320 | 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 | R2 | Yes |
| TS | 37.571-1 | Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 1: Conformance test specification | R5 | Yes |
| TS | 37.571-2 | Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance | R5 | Yes |

| Type | Number | Title | Group | For publication? |
|------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------|
| TS | 37.571-3 | Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 3: Implementation Conformance Statement (ICS) | R5 | Yes |
| TS | 37.571-4 | Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 4: Test suites | R5 | Yes |
| TS | 37.571-5 | Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 5: Test scenarios and assistance data | R5 | Yes |
| TR | 37.900 | Radio Frequency (RF) requirements for Multicarrier and Multiple Radio Access Technology (Multi-RAT) Base Station (BS) | R4 | Yes |
| TR | 37.902 | Measurements of User Equipment (UE) radio performances for LTE/UMTS terminals; Total Radiated Power (TRP) and Total Radiated Sensitivity (TRS) test methodology | R4 | Yes |
| TR | 37.976 | Measurement of radiated performance for Multiple Input Multiple Output (MIMO) and multi-antenna reception for High Speed Packet Access (HSPA) and LTE terminals | R4 | Yes |

Table is based on query " 2003-09-03_LTE_specs_list_rel-x__21-201" in the [3GPP Specifications Status database](#).

Annex A (informative): Change history

| Change history | | | | | | | |
|----------------|----------------|------------------------|----|-----|----------------------------------------------------------------------------------------------------------------------|--------|--------|
| Date | TSG # | TSG Doc. | CR | Rev | Subject/Comment | Old | New |
| 2008-03 | | | | | First draft based on SA1 request to SP-38, refined at SP-39. Spec list based on Specification Manager's whim. | | 0.0.0 |
| 2008-05 | | | | | Rapporteur's revision | 0.0.0 | 0.1.0 |
| 2008-12 | SP-42 | SP-080723 | | | Rapporteur's revision prior to upgrading of specs to Rel-8 following Release freeze. | 0.1.0 | 0.2.0 |
| 2009-01 | | | | | Further rapporteur revision in the light of feedback | 0.2.0 | 0.3.0 |
| 2009-03 | CP-43 RP-43 | CP-080927 RP-081048 | | | Submission for review | 0.3.0 | 1.0.0 |
| 2009-03 | SP-43 | SP-090034 | | | Clean up of §3. To SA for information. | 1.0.0 | 1.0.1 |
| 2009-03 | SP-43 | SP-090224 | | | Major revision following clarification of scope, restricting the TS to a list of normative elements specific to EPS. | 1.0.1 | 2.0.0 |
| 2009-03 | SP-43 | | | | Approved | 2.0.0 | 8.0.0 |
| 2009-06 | SP-45 | SP-090495 | 1 | 2 | Update list of Specs | 8.0.0 | 8.1.0 |
| | | | 2 | 2 | Clarification of scope | | |
| 2009-12 | SP-46 | SP-090695 | 3 | 1 | Correction to list of specifications | 8.1.0 | 8.2.0 |
| 2010-03 | SP-47 | SP-100012 | 4 | - | Update list of specs | 8.2.0 | 8.3.0 |
| 2010-03 | SP-47 | SP-100012 | 5 | - | Update list of specs | 8.3.0 | 9.0.0 |
| 2011-03 | SP-51 | | | | Automatic upgrde on Release freeze | 9.0.0 | 10.0.0 |
| 2011-06 | SP-52 | SP-110298 | 8 | - | Correction to list of specifications | 10.0.0 | 10.1.0 |
| 2012-03 | SP-55 | SP-120114 | 11 | 1 | Changes to list of Specs: LTE systems | 10.1.0 | 10.2.0 |
| 2013-03 | SP-59 | SP-130155 | 12 | | Update to list of specs | 10.2.0 | 10.3.0 |
| 2013-03 | SP-59 | SP-130155 | 13 | | Update to list of specs | 10.3.0 | 11.0.0 |
| 2014-06 | SP-64 | SP-140200 | 15 | | Update to list of specs | 11.0.0 | 11.1.0 |

| Change history | | | | | | | |
|----------------|---------|-----------|------|-----|-----|-------------------------|-------------|
| Date | Meeting | TDoc | CR | Rev | Cat | Subject/Comment | New version |
| 2016-03 | SA#71 | SP-160126 | 0017 | | F | Update to list of Specs | 12.0.0 |

History

| Document history | | |
|-------------------------|------------|-------------|
| V12.0.0 | April 2016 | Publication |
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