

# ETSI TS 121 201 V8.4.0 (2011-07)

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*Technical Specification*

**LTE;  
Technical Specifications and Technical Reports  
for an Evolved Packet System (EPS) based 3GPP system  
(3GPP TS 21.201 version 8.4.0 Release 8)**

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**Reference**

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**Keywords**

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## Foreword

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

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.

The cross reference between GSM, UMTS, 3GPP and ETSI identities can be found under <http://webapp.etsi.org/key/queryform.asp>.

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# Foreword

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

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

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.

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# 1 Scope

The present document identifies the 3GPP system specifications for Release 8. The specifications and reports of 3GPP Release 8 have a major version number 8 (i.e. 8.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).

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# 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".

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# 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.

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# 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	21.902	Evolution of 3GPP system	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	22.067	enhanced Multi Level Precedence and Pre-emption service (eMLPP); Stage 1	S1	Yes
TS	22.071	Location Services (LCS); Service description; Stage 1	S1	Yes
TS	22.072	Call Deflection (CD) service description; Stage 1	S1	Yes
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	S4	Yes
TS	22.081	Line Identification supplementary services; Stage 1	S1	Yes
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	S1	Yes
TS	22.083	Call Waiting (CW) and Call Holding (HOLD); Supplementary Services; Stage 1	S1	Yes
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	S1	Yes
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	S1	Yes
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	S1	Yes
TS	22.087	User-to-User Signalling (UUS); Service description; Stage 1	S1	Yes
TS	22.088	Call Barring (CB) supplementary services; Stage 1	S1	Yes
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	S1	Yes
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	S1	Yes
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	S1	Yes
TS	22.094	Follow Me service description; Stage 1	S1	Yes
TS	22.096	Name identification supplementary services; Stage 1	S1	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

Type	Number	Title	Group	For publication?
TS	22.105	Services and service capabilities	S1	Yes
TS	22.112	USIM Application Toolkit (USAT) Interpreter; Stage 1	C6	Yes
TS	22.115	Service aspects; Charging and billing	S1	Yes
TS	22.127	Service requirement for the Open Services Access (OSA); Stage 1	S1	Yes
TS	22.129	Service aspects; Handover requirements between UTRAN and GERAN or other radio systems	S1	Yes
TS	22.135	Multicall; 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	22.168	Earthquake and Tsunami Warning System (ETWS) requirements; Stage 1	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
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
TR	22.868	Study on facilitating machine to machine communication in 3GPP systems	S1	No
TR	22.892	Study on IMS Centralized Services (ICS) requirements	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	22.948	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



Type	Number	Title	Group	For publication?
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
TS	23.002	Network architecture	S2	Yes
TS	23.008	Organization of subscriber data	C4	Yes
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); Stage2	C4	Yes
TS	23.135	Multicall supplementary service; Stage 2	C4	Yes
TS	23.141	Presence service; Architecture and functional description	S2	Yes
TS	23.167	IP Multimedia Subsystem (IMS) emergency sessions	S2	Yes
TS	23.198	Open Service Access (OSA); Stage 2	CP	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	23.207	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	23.271	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	23.380	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

Type	Number	Title	Group	For publication?
TS	23.402	Architecture enhancements for non-3GPP accesses	S2	Yes
TR	23.810	Study on architecture impacts of Service Brokering	S2	No
TR	23.811	Service level interworking for messaging services; Stage 2	S2	No
TR	23.820	Study of IMS restoration procedures	C4	No
TR	23.828	Earthquake and Tsunami Warning System (ETWS); Requirements and solutions; Solution placeholder	S2	No
TR	23.847	Enhancements to IMS service functionalities facilitating multicast bearer services	S2	No
TR	23.882	3GPP system architecture evolution (SAE): Report on technical options and conclusions	S2	No
TR	23.892	IP Multimedia Subsystem (IMS) centralized services	S2	No
TR	23.893	Feasibility study on multimedia session continuity; Stage 2	S2	No
TR	23.903	Redial solution for voice-video switching	S2	Yes
TR	23.919	Direct tunnel deployment guideline	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	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	C4	Yes
TS	24.072	Call Deflection (CD) supplementary service; 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	24.082	Call Forwarding (CF) supplementary services; Stage 3	C4	Yes
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 3	C4	Yes
TS	24.084	Multi Party (MPTY) supplementary service; Stage 3	C4	Yes
TS	24.085	Closed User Group (CUG) supplementary service; Stage 3	C4	Yes
TS	24.086	Advice of Charge (AoC) supplementary services; Stage 3	C4	Yes
TS	24.087	User-to-User Signalling (UUS) Supplementary Service; Stage 3	C4	Yes
TS	24.088	Call Barring (CB) supplementary service; Stage 3	C4	Yes
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	C4	Yes
TS	24.091	Explicit Call Transfer (ECT) supplementary service; Stage 3	C4	Yes
TS	24.093	Completion of Calls to Busy Subscriber (CCBS); Stage 3	C4	Yes
TS	24.096	Name 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	24.141	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	24.167	3GPP IMS Management Object (MO); Stage 3	C1	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

Type	Number	Title	Group	For publication?
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	24.301	Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS); Stage 3	C1	Yes
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	24.341	Support of SMS over IP networks; Stage 3	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	C1	Yes

Type	Number	Title	Group	For publication?
		(CN) subsystem; Protocol specification		
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	24.801	3GPP System Architecture Evolution (SAE); CT WG1 aspects	C1	No
TR	24.880	Media server control using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	C1	No
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
TR	25.913	Requirements for Evolved UTRA (E-UTRA) and Evolved UTRAN (E-UTRAN)	RP	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
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	26.171	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

Type	Number	Title	Group	For publication?
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
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	26.273	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
TR	26.902	Video codec performance	S4	Yes
TR	26.914	Multimedia telephony over IP Multimedia Subsystem (IMS); Optimization opportunities	S4	Yes



Type	Number	Title	Group	For publication?
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	26.975	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
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	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	29.161	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services with Wireless Local Area Network (WLAN) access and Packet data Networks (PDN)	C3	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	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	CP	Yes
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data definitions	CP	Yes
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	CP	Yes
TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Call control common definitions	CP	Yes
TS	29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control Service Capability Feature (SCF)	CP	Yes
TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control Service Capability Feature (SCF)	CP	Yes
TS	29.198-04-4	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	CP	Yes
TS	29.198-04-5	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 5: Conference call control Service Capability Feature (SCF)	CP	Yes
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: User interaction Service Capability Feature (SCF)	CP	Yes

Type	Number	Title	Group	For publication?
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility Service Capability Feature (SCF)	CP	Yes
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities Service Capability Feature (SCF)	CP	Yes
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control Service Capability Feature (SCF)	CP	Yes
TS	29.198-10	Open Service Access (OSA) Application Programming Interface (API); Part 10: Connectivity manager Service Capability Feature (SCF)	CP	Yes
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management Service Capability Feature (SCF)	CP	Yes
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging Service Capability Feature (SCF)	CP	Yes
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management Service Capability Feature (SCF)	CP	Yes
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM) Service Capability Feature (SCF)	CP	Yes
TS	29.198-15	Open Service Access (OSA) Application Programming Interface (API); Part 15: Multi-media Messaging (MM) Service Capability Feature (SCF)	CP	Yes
TS	29.198-16	Open Service Access (OSA) Application Programming Interface (API); Part 16: Service broker Service Capability Feature (SCF)	CP	Yes
TS	29.199-01	Open Service Access (OSA); Parlay X web services; Part 1: Common	CP	Yes
TS	29.199-02	Open Service Access (OSA); Parlay X web services; Part 2: Third party call	CP	Yes
TS	29.199-03	Open Service Access (OSA); Parlay X web services; Part 3: Call notification	CP	Yes
TS	29.199-04	Open Service Access (OSA); Parlay X web services; Part 4: Short messaging	CP	Yes
TS	29.199-05	Open Service Access (OSA); Parlay X web services; Part 5: Multimedia messaging	CP	Yes
TS	29.199-06	Open Service Access (OSA); Parlay X web services; Part 6: Payment	CP	Yes
TS	29.199-07	Open Service Access (OSA); Parlay X web services; Part 7: Account management	CP	Yes
TS	29.199-08	Open Service Access (OSA); Parlay X web services; Part 8: Terminal status	CP	Yes
TS	29.199-09	Open Service Access (OSA); Parlay X web services; Part 9: Terminal location	CP	Yes
TS	29.199-10	Open Service Access (OSA); Parlay X web services; Part 10: Call handling	CP	Yes
TS	29.199-11	Open Service Access (OSA); Parlay X web services; Part 11: Audio call	CP	Yes
TS	29.199-12	Open Service Access (OSA); Parlay X web services; Part 12: Multimedia conference	CP	Yes
TS	29.199-13	Open Service Access (OSA); Parlay X web services; Part 13: Address list management	CP	Yes
TS	29.199-14	Open Service Access (OSA); Parlay X web services; Part 14: Presence	CP	Yes
TS	29.199-15	Open Service Access (OSA); Parlay X web services; Part 15: Message broadcast	CP	Yes
TS	29.199-16	Open Service Access (OSA); Parlay X web services; Part 16: Geocoding	CP	Yes
TS	29.199-17	Open Service Access (OSA); Parlay X web services; Part 17: Application-driven Quality of Service (QoS)	CP	Yes
TS	29.199-18	Open Service Access (OSA); Parlay X web services; Part 18: Device capabilities and configuration	CP	Yes
TS	29.199-19	Open Service Access (OSA); Parlay X web services; Part 19: Multimedia streaming control	CP	Yes

Type	Number	Title	Group	For publication?
TS	29.199-20	Open Service Access (OSA); Parlay X web services; Part 20: Multimedia multicast session management	CP	Yes
TS	29.199-21	Open Service Access (OSA); Parlay X web services; Part 21: Content management	CP	Yes
TS	29.199-22	Open Service Access (OSA); Parlay X web services; Part 22: Policy	CP	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 over Gx reference point	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	29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3	C4	Yes
TS	29.235	Interworking between SIP-I based circuit-switched core network and other networks	C3	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 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	29.364	IP Multimedia Subsystem (IMS) Application Server (AS) service data descriptions for AS interoperability	C4	Yes
TS	29.412	TISPAN; Interworking; Trunking Gateway Control Procedures for interworking	C3	Yes



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		between NGN and external CS networks		
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	29.421	TISPAN; NGN Release 1; Endorsement of 3GPP TS 29.162 Interworking between IM CN Sub-system and IP networks	C3	Yes
TS	29.424	TISPAN; H.248 Profile for controlling Trunking Media Gateways; Protocol specification	C4	Yes
TS	29.433	TISPAN; IP Multimedia; Diameter based protocol for the interfaces between the Call Session Control Function and the User Profile Server Function/Subscription Locator Function; Signalling flows and protocol details [3GPP TS 29.228 and 29.229 modified]	C4	Yes
TS	29.458	TISPAN; SIP Transfer of IP Multimedia Service Tariff Information; Protocol specification	C3	Yes
TS	29.527	TISPAN; Endorsement of the SIP-ISUP Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks [3GPP TS 29.163 (Release 7), modified]	C3	Yes
TS	29.658	SIP Transfer of IP Multimedia Service Tariff Information; Protocol specification	C3	Yes
TR	29.804	3GPP System Architecture Evolution (SAE): CT WG3 aspects	C3	No
TR	29.805	InterWorking Function (IWF) between MAP based and Diameter based interfaces	C4	No
TR	29.863	Feasibility Study for the multimedia inter-working between the IP Multimedia Core Network (CN) Subsystem (IMS) and Circuit Switched (CS) networks	C3	No
TR	29.864	Study on IMS Application Server (AS) service data descriptions for AS interoperability	C4	No
TR	29.865	Inter-IMS network to network interface	C3	No
TR	29.882	Customized Alerting Tone (CAT) in 3G CS domain	C4	No
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
TR	29.998-01	Open Service Access (OSA); Application Programming Interface (API) mapping for OSA; Part 1: General issues on API mapping	CP	Yes
TR	29.998-04-1	Open Service Access (OSA); Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	CP	Yes
TR	29.998-04-4	Open Service Access (OSA); Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control ISC	CP	Yes
TR	29.998-05-1	Open Service Access (OSA); Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	CP	Yes
TR	29.998-05-4	Open Service Access (OSA); Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	CP	Yes
TR	29.998-06-1	Open Service Access (OSA); Application Programming Interface (API) Mapping for Open Service Access; Part 6: User location - user status service mapping; Subpart 1: Mapping to Mobile Application Part (MAP)	CP	Yes
TR	29.998-06-2	Open Service Access (OSA); Application Programming Interface (API) Mapping for Open Service Access; Part 6: User location - user status service mapping; Subpart 2: Mapping to Session Initiation Protocol (SIP)	CP	Yes
TR	29.998-08	Open Service Access (OSA); Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	CP	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	31.112	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter architecture description	C6	Yes
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte	C6	Yes

Type	Number	Title	Group	For publication?
		codes		
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	C6	Yes
TS	31.115	Remote APDU Structure for (U)SIM Toolkit applications	C6	Yes
TS	31.116	Remote APDU Structure for (Universal) Subscriber Identity Module (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
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	31.213	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
TR	31.919	2G/3G Java Card™ Application Programming Interface (API) based applet interworking	C6	Yes
TS	32.101	Telecommunication management; Principles and high level requirements	S5	Yes
TS	32.102	Telecommunication management; Architecture	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	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.111-5	Telecommunication management; Fault Management; Part 5: Alarm Integration Reference Point (IRP): eXtensible Markup Language (XML) definitions	S5	Yes
TS	32.111-7	Telecommunication management; Fault Management; Part 7: Alarm IRP SOAP Solution Set (SS)	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	32.123	Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.125	Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	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

Type	Number	Title	Group	For publication?
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	32.171	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes
TS	32.172	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	S5	Yes
TS	32.175	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) definition	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	32.252	Telecommunication management; Charging management; Wireless Local Area Network (WLAN) 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
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	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.305	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); eXtensible Markup Language (XML) definition	S5	Yes
TS	32.307	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); SOAP Solution Set (SS)	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

Type	Number	Title	Group	For publication?
TS	32.313	Telecommunication management; Generic Integration Reference Point (IRP) management; Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.317	Telecommunication management; Generic Integration Reference Point (IRP) management; SOAP Solution Set (SS)	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	32.323	Telecommunication management; Test management Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.325	Telecommunication management; Test management Integration Reference Point (IRP); eXtensible Markup Language (XML) 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	32.333	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.335	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); eXtensible Markup Language (XML) solution 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	32.343	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.345	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); eXtensible Markup Language (XML) definitions	S5	Yes
TS	32.347	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); SOAP Solution Set (SS)	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	32.353	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	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	32.363	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.365	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); eXtensible Markup Language (XML) definitions	S5	Yes
TS	32.367	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); SOAP Solution Set (SS)	S5	Yes
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	32.373	Telecommunication management; Security services for Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution	S5	Yes
TS	32.375	Telecommunication management; Security services for Integration Reference Point (IRP); File integrity solution	S5	Yes
TS	32.381	Telecommunication management; Partial Suspension of Itf-N Integration	S5	Yes

Type	Number	Title	Group	For publication?
		Reference Point (IRP); Requirements		
TS	32.382	Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Information Service (IS)	S5	Yes
TS	32.383	Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.385	Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); eXtensible Markup Language (XML) file format definition	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	32.393	Telecommunication management; Delta synchronization Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.395	Telecommunication management; Delta synchronization Integration Reference Point (IRP); eXtensible Markup Language (XML) file format definition	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	32.413	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.415	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); eXtensible Markup Language (XML) definitions	S5	Yes
TS	32.417	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); SOAP Solution Set (SS)	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



Type	Number	Title	Group	For publication?
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
TS	32.443	Telecommunication management; Trace Management (Trace) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.445	Telecommunication management; Trace Management Integration Reference Point (IRP); eXtensible Markup Language (XML) file format definition	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	32.500	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	32.503	Telecommunication management; Self-configuration of network elements Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	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	32.533	Telecommunication management; Software management (SwM); Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	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	32.600	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	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.607	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); SOAP Solution Set (SS)	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	32.613	Telecommunication management; Configuration Management (CM); Bulk CM	S5	Yes

Type	Number	Title	Group	For publication?
		Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)		
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	S5	Yes
TS	32.617	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Bulk CM IRP SOAP Solution Set (SS)	S5	Yes
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements	S5	Yes
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Network Resource Model (NRM)	S5	Yes
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.625	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP); Requirements	S5	Yes
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP); Network Resource Model (NRM)	S5	Yes
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP); Bulk CM eXtensible Markup Language (XML) file format definition	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	32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.665	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP); eXtensible Markup Language (XML) definitions	S5	Yes
TS	32.667	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP); SOAP Solution Set (SS)	S5	Yes
TS	32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Requirements	S5	Yes
TS	32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Information Service (IS)	S5	Yes
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.675	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes
TS	32.690	Telecommunication management; Inventory Management (IM); Requirements	S5	Yes
TS	32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP); Requirements	S5	Yes
TS	32.692	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP); Network Resource Model (NRM)	S5	Yes
TS	32.695	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP); Bulk Configuration Management (CM) eXtensible Markup Language (XML) file format definition	S5	Yes
TS	32.711	Telecommunication management; Configuration Management (CM); Transport	S5	Yes

Type	Number	Title	Group	For publication?
		Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Requirements		
TS	32.712	Telecommunication management; Configuration Management (CM); Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes
TS	32.713	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.715	Telecommunication management; Configuration Management (CM) Transport Network (TN); Network Resource Model (NRM) Integration Reference Point (IRP); Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes
TS	32.721	Telecommunication management; Configuration Management (CM); Repeater network resources Integration Reference Point (IRP); Requirements	S5	Yes
TS	32.722	Telecommunication management; Configuration Management (CM); Repeater network resources Integration Reference Point (IRP); information Service (IS)	S5	Yes
TS	32.723	Telecommunication management; Configuration Management (CM); Repeater network resources Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.725	Telecommunication management; Configuration Management (CM); Repeater network resources Integration Reference Point (IRP); Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes
TS	32.731	Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes
TS	32.732	Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes
TS	32.733	Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.735	Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes
TS	32.741	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes
TS	32.742	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes
TS	32.743	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.745	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes
TS	32.751	Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes
TS	32.752	Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes
TS	32.753	Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.755	Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP); eXtensible Markup Language (XML) definitions	S5	Yes
TS	32.761	Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes



Type	Number	Title	Group	For publication?
TS	32.762	Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes
TS	32.763	Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes
TS	32.765	Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); eXtensible Markup Language (XML) definitions	S5	Yes
TR	32.808	Telecommunication management; Study of Common Profile Storage (CPS) Framework of User Data for network services and management	S5	No
TR	32.816	Telecommunication management; Study on management of Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Evolved Packet Core (EPC)	S5	No
TR	32.818	Telecommunication management; Study on 3GPP SA5 / MTOSI XML harmonization	S5	No
TR	32.819	Telecommunications management; Element management layer - Operation System Function (E-OSF) definition	S5	No
TR	32.820	Telecommunication management; Study on charging management; 3GPP Evolved Packet Core (EPC): Charging aspects	S5	No
TS	33.102	3G security; Security architecture	S3	Yes
TS	33.105	3G Security; Cryptographic algorithm requirements	S3	Yes
TS	33.106	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	33.234	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	33.310	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
TR	33.820	Security of Home Node B (HNB) / Home evolved Node B (HeNB)	S3	No
TR	33.821	Rationale and track of security decisions in Long Term Evolution (LTE) RAN / 3GPP System Architecture Evolution (SAE)	S3	No
TR	33.822	Security aspects for inter-access mobility between non 3GPP and 3GPP access network	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	33.980	Liberty Alliance and 3GPP security interworking; Interworking of Liberty Alliance Identity Federation Framework (ID-FF), Identity Web Services Framework (ID-	S3	Yes

Type	Number	Title	Group	For publication?
		WSF) and Generic Authentication Architecture (GAA)		
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 suites (ATSs)	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	34.171	Terminal conformance specification; Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)	R5	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
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
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
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

Type	Number	Title	Group	For publication?
TR	35.919	Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 5: 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	36.201	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	36.306	Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities	R2	Yes
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	36.401	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

Type	Number	Title	Group	For publication?
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	36.508	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	36.903	Evolved Universal Terrestrial Radio Access (E-UTRA); Derivation of test tolerances for multi-cell Radio Resource Management (RRM) conformance tests	R5	Yes
TR	36.938	Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Improved network controlled mobility between E-UTRAN and 3GPP2/mobile WiMAX radio technologies	R2	Yes
TR	36.942	Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Frequency (RF) system scenarios	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
2011-06	SP-52	SP-110298	6		Correction to list of specifications	8.3.0	8.4.0

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# History

<b>Document history</b>		
V8.0.0	March 2009	Publication
V8.1.0	September 2009	Publication
V8.2.0	January 2010	Publication
V8.3.0	April 2010	Publication
V8.4.0	July 2011	Publication