ETSI TS 141 101 V8.2.0 (2010-01)

Technical Specification

Digital cellular telecommunications system (Phase 2+);
Technical Specifications and Technical Reports
for a GERAN-based 3GPP system
(3GPP TS 41.101 version 8.2.0 Release 8)

**GLOBAL SYSTEM FOR
MOBILE COMMUNICATIONS**

Reference
RTS/TSGS-0041101v820

Keywords
GSM

ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00   Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
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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.

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

Contents

Foreword

This Technical Specification has been produced by the 3rd 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;

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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 8 have a major version number 8 (i.e. 8.x.y). The listed Specifications are required to build a system based on GERAN radio technology.

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 TR 21.900: "Technical Specification Group working methods".

3   Abbreviations

For the purposes of the present document, the terms and definitions given in 3GPP TR 21.905 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: For definition of "freezing" of specifications (last two colunms), see 3GPP TS 21.900 [2].

Number	Title	WG prime	For publication?	freeze date	frozen
21.202	Technical Specifications and Technical Reports relating to the Common IP Multimedia Subsystem (IMS)	SP	Yes	2009-03-12	yes
21.801	Specification drafting rules	SP	No	2008-12-11	yes
21.900	Technical Specification Group working methods	SP	Yes	2008-12-11	yes
21.905	Vocabulary for 3GPP Specifications	S1	Yes	2008-12-11	yes
22.001	Principles of circuit telecommunication services supported by a Public	S1	Yes	2008-	yes

Number	Title	WG prime	For publication?	freeze date	frozen
	Land Mobile Network (PLMN)			12-11	
22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	S1	Yes	2008-12-11	yes
22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1	Yes	2008-12-11	yes
22.004	General on supplementary services	S1	Yes	2008-12-11	yes
22.011	Service accessibility	S1	Yes	2008-12-11	yes
22.016	International Mobile Equipment Identities (IMEI)	S1	Yes	2008-12-11	yes
22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	S3	Yes	2008-12-11	yes
22.024	Description of Charge Advice Information (CAI)	S1	Yes	2008-12-11	yes
22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	S1	Yes	2008-12-11	yes
22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	S3	Yes	2008-12-11	yes
22.032	Immediate Service Termination (IST); Service description; Stage 1	S3	Yes	2008-12-11	yes
22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	S1	Yes	2008-12-11	yes
22.038	(U)SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1	Yes	2008-12-11	yes
22.041	Operator Determined Call Barring (ODB)	S1	Yes	2008-12-11	yes
22.042	Network Identity and Time Zone (NITZ); Service description; Stage 1	S1	Yes	2008-12-11	yes
22.053	Tandem Free Operation (TFO); Service description; Stage 1	S4	Yes	2008-12-11	yes
22.057	Mobile Execution Environment (MExE) service description; Stage 1	S1	Yes	2008-12-11	yes
22.060	General Packet Radio Service (GPRS); Service description; Stage 1	S1	Yes	2008-12-11	yes
22.066	Support of Mobile Number Portability (MNP); Stage 1	S1	Yes	2008-12-11	yes
22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	S1	Yes	2008-12-11	yes
22.071	Location Services (LCS); Service description; Stage 1	S1	Yes	2008-12-11	yes
22.072	Call Deflection (CD); Stage 1	S1	Yes	2008-12-11	yes
22.076	Noise suppression for the AMR codec; Service description; Stage 1	S4	Yes	2008-12-11	yes
22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1	Yes	2008-12-11	yes
22.079	Support of optimal routeing; Stage 1	S1	Yes	2008-12-11	yes
22.081	Line Identification supplementary services; Stage 1	S1	Yes	2008-12-11	yes
22.082	Call Forwarding (CF) Supplementary Services; Stage 1	S1	Yes	2008-12-11	yes
22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	S1	Yes	2008-12-11	yes
22.084	MultiParty (MPTY) supplementary service; Stage 1	S1	Yes	2008-12-11	yes

Number	Title	WG prime	For publication?	freeze date	frozen
22.085	Closed User Group (CUG) supplementary services; Stage 1	S1	Yes	2008-12-11	yes
22.086	Advice of Charge (AoC) supplementary services; Stage 1	S1	Yes	2008-12-11	yes
22.087	User-to-user signalling (UUS); Stage 1	S1	Yes	2008-12-11	yes
22.088	Call Barring (CB) supplementary services; Stage 1	S1	Yes	2008-12-11	yes
22.090	Unstructured Supplementary Service Data (USSD); Stage 1	S1	Yes	2008-12-11	yes
22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	S1	Yes	2008-12-11	yes
22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	S1	Yes	2008-12-11	yes
22.094	Follow Me service description - Stage 1	S1	Yes	2008-12-11	yes
22.096	Name identification supplementary services; Stage 1	S1	Yes	2008-12-11	yes
22.097	Multiple Subscriber Profile (MSP) Phase 2; Service description; Stage 1	S1	Yes	2008-12-11	yes
22.105	Services and service capabilities	S1	Yes	2008-12-11	yes
22.115	Service aspects; Charging and billing	S1	Yes	2008-12-11	yes
22.127	Service requirement for the Open Services Access (OSA); Stage 1	S1	Yes	2008-12-11	yes
22.129	Handover requirements between UTRAN and GERAN or other radio systems	S1	Yes	2008-12-11	yes
22.140	Multimedia Messaging Service (MMS); Stage 1	S1	Yes	2008-12-11	yes
22.141	Presence service; Stage 1	S1	Yes	2008-12-11	yes
22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1	Yes	2008-12-11	yes
22.153	Multimedia priority service	S1	Yes	2007-12-06	yes
22.168	Earthquake and Tsunami Warning System (ETWS) requirements; Stage 1	S1	Yes	2008-12-11	yes
22.173	IP Multimedia Core Network Subsystem (IMS) Multimedia Telephony Service and supplementary services; Stage 1	S1	Yes	2008-12-11	yes
22.174	Push service; Stage 1	S1	Yes	2008-12-11	yes
22.182	Customized Alerting Tone (CAT) requirements; Stage 1	S1	Yes	2008-12-11	yes
22.226	Global text telephony (GTT); Stage 1: Service description	S1	Yes	2008-12-11	yes
22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1	S1	Yes	2008-12-11	yes
22.233	Transparent end-to-end packet-switched streaming service; Stage 1	S1	Yes	2008-12-11	yes
22.234	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	S1	Yes	2008-12-11	yes
22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	S1	Yes	2008-12-11	yes
22.243	Speech recognition framework for automated voice services; Stage 1	S1	Yes	2008-12-11	yes
22.246	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	S1	Yes	2008-12-11	yes

Number	Title	WG prime	For publication?	freeze date	frozen
22.250	IP Multimedia Subsystem (IMS) Group Management; Stage 1	S1	Yes	2008-12-11	yes
22.259	Service requirements for Personal Network Management (PNM); Stage 1	S1	Yes	2008-12-11	yes
22.340	IP Multimedia Subsystem (IMS) messaging; Stage 1	S1	Yes	2008-12-11	yes
22.401	TISPAN; Videotelephony over NGN Service Description	S1	Yes	2008-09-18	yes
22.892	Study on IMS Centralized Services (ICS) requirements	S1	No	2008-12-11	yes
22.903	Study on Videotelephony teleservice	S1	Yes	2008-12-11	yes
22.912	Study into network selection requirements for non-3GPP access	S1	Yes	2008-12-11	yes
22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	S1	Yes	2008-12-11	yes
22.935	Feasibility study on Location Services (LCS) for Wireless Local Area Network (WLAN) interworking	S1	Yes	2008-12-11	yes
22.936	Multi-system terminals	S1	Yes	2008-12-11	yes
22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	S1	Yes	2008-12-11	yes
22.942	Study on Value Added Services (VAS) for Short Message Service (SMS)	S1	Yes	2008-12-11	yes
22.944	Report on service requirements for UE functionality split	S1	Yes	2008-12-11	yes
22.948	Study of requirements of IP-Multimedia Subsystem (IMS) convergent multimedia conferencing	S1	Yes	2008-12-11	yes
22.949	Study on a generalized privacy capability	S1	Yes	2008-12-11	yes
22.950	Priority service feasibility study	S1	Yes	2008-12-11	yes
22.951	Service aspects and requirements for network sharing	S1	Yes	2008-12-11	yes
22.952	Priority service guide	S1	Yes	2008-12-11	yes
22.953	Multimedia priority service feasibility study	S1	Yes	2008-12-11	yes
22.967	Transferring of emergency call data	S1	Yes	2008-12-11	yes
22.968	Study for requirements for a Public Warning System (PWS) service	S1	Yes	2008-12-11	yes
22.973	IMS Multimedia Telephony service; and supplementary services	S1	Yes	2008-12-11	yes
22.977	Feasibility study for speech-enabled services	S1	Yes	2008-12-11	yes
22.979	Feasibility study on combined Circuit Switched (CS) calls and IP Multimedia Subsystem (IMS) sessions	S1	Yes	2008-12-11	yes
22.980	Network composition feasibility study	S1	Yes	2008-12-11	yes
22.982	Study of Customized Alerting Tone (CAT) requirements	S1	Yes	2008-12-11	yes
22.983	Services alignment and migration	S1	Yes	2008-12-11	yes
23.002	Network architecture	S2	Yes	2008-12-11	yes
23.003	Numbering, addressing and identification	C4	Yes	2008-12-11	yes

Number	Title	WG prime	For publication?	freeze date	frozen
23.007	Restoration procedures	C4	Yes	2008-12-11	yes
23.008	Organization of subscriber data	C4	Yes	2008-12-11	yes
23.009	Handover procedures	C1	Yes	2008-12-11	yes
23.011	Technical realization of Supplementary Services	C4	Yes	2008-12-11	yes
23.012	Location management procedures	C4	Yes	2008-12-11	yes
23.014	Support of Dual Tone Multi-Frequency (DTMF) signalling	C1	Yes	2008-12-11	yes
23.015	Technical realization of Operator Determined Barring (ODB)	C4	Yes	2008-12-11	yes
23.016	Subscriber data management; Stage 2	C4	Yes	2008-12-11	yes
23.018	Basic call handling; Technical realization	C4	Yes	2008-12-11	yes
23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	S3	Yes	2008-12-11	yes
23.032	Universal Geographical Area Description (GAD)	S2	Yes	2008-12-11	yes
23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	C1	Yes	2008-12-11	yes
23.035	Immediate Service Termination (IST); Stage 2	S3	Yes	2008-12-11	yes
23.038	Alphabets and language-specific information	C1	Yes	2008-12-11	yes
23.040	Technical realization of Short Message Service (SMS)	C1	Yes	2008-12-11	yes
23.041	Technical realization of Cell Broadcast Service (CBS)	C1	Yes	2008-12-11	yes
23.042	Compression algorithm for text messaging services	C1	Yes	2008-12-11	yes
23.053	Tandem Free Operation (TFO); Service description; Stage 2	S4	Yes	2008-12-11	yes
23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	S2	Yes	2008-12-11	yes
23.060	General Packet Radio Service (GPRS); Service description; Stage 2	S2	Yes	2008-12-11	yes
23.066	Support of Mobile Number Portability (MNP); Technical realization; Stage 2	C4	Yes	2008-12-11	yes
23.067	enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	C4	Yes	2008-12-11	yes
23.072	Call Deflection supplementary service; Stage 2	C4	Yes	2008-12-11	yes
23.078	Customized Applications for Mobile network Enhanced Logic (CAMEL) Phase X; Stage 2	C4	Yes	2008-12-11	yes
23.079	Support of Optimal Routeing (SOR); Technical realization	C4	Yes	2008-12-11	yes
23.081	Line Identification supplementary services; Stage 2	C4	Yes	2008-12-11	yes
23.082	Call Forwarding (CF) supplementary services; Stage 2	C4	Yes	2008-12-11	yes
23.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 2	C4	Yes	2008-12-11	yes
23.084	MultiParty (MPTY) supplementary service; Stage 2	C4	Yes	2008-12-11	yes

Number	Title	WG prime	For publication?	freeze date	frozen
23.085	Closed User Group (CUG) supplementary service; Stage 2	C4	Yes	2008-12-11	yes
23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	C4	Yes	2008-12-11	yes
23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	C4	Yes	2008-12-11	yes
23.088	Call Barring (CB) Supplementary Service; Stage 2	C4	Yes	2008-12-11	yes
23.090	Unstructured Supplementary Service Data (USSD); Stage 2	C4	Yes	2008-12-11	yes
23.091	Explicit Call Transfer (ECT) supplementary service; Stage 2	C4	Yes	2008-12-11	yes
23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	C4	Yes	2008-12-11	yes
23.094	Follow-Me (F-M); Stage 2	C4	Yes	2008-12-11	yes
23.096	Name identification supplementary services; Stage 2	C4	Yes	2008-12-11	yes
23.097	Multiple Subscriber Profile (MSP) Phase X; Stage 2	C4	Yes	2008-12-11	yes
23.107	Quality of Service (QoS) concept and architecture	S2	Yes	2008-12-11	yes
23.108	Mobile radio interface layer 3 specification, core network protocols; Stage 2	C1	Yes	2008-12-11	yes
23.110	Universal Mobile Telecommunications System (UMTS) access stratum; Services and functions	S2	Yes	2008-12-11	yes
23.116	Super-Charger technical realization; Stage 2	C4	Yes	2008-12-11	yes
23.122	Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode	C1	Yes	2008-12-11	yes
23.198	Open Service Access (OSA); Stage 2	CP	Yes	2008-12-11	yes
23.202	Circuit switched data bearer services	C3	Yes	2008-12-11	yes
23.203	Policy and charging control architecture	S2	Yes	2008-12-11	yes
23.207	End-to-end Quality of Service (QoS) concept and architecture	S2	Yes	2008-12-11	yes
23.216	Single Radio Voice Call Continuity (SRVCC); Stage 2	S2	Yes	2008-12-11	yes
23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	C1	Yes	2008-12-11	yes
23.221	Architectural requirements	S2	Yes	2008-12-11	yes
23.226	Global text telephony (GTT); Stage 2	S2	Yes	2008-12-11	yes
23.228	IP Multimedia Subsystem (IMS); Stage 2	S2	Yes	2008-06-05	yes
23.231	SIP-I based circuit-switched core network; Stage 2	C4	Yes	2008-12-11	yes
23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2	Yes	2008-12-11	yes
23.237	IP Multimedia Subsystem (IMS) Service Continuity; Stage 2	S2	Yes	2008-06-05	yes
23.259	Personal Network Management (PNM); Procedures and information flows	C1	Yes	2008-12-11	yes
23.271	Functional stage 2 description of Location Services (LCS)	S2	Yes	2008-12-11	yes

Number	Title	WG prime	For publication?	freeze date	frozen
23.272	Circuit Switched (CS) fallback in Evolved Packet System (EPS); Stage 2	S2	Yes	2008-06-05	yes
23.278	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 4; Stage 2; IM CN Interworking	C4	Yes	2008-12-11	yes
23.279	Combining Circuit Switched (CS) and IP Multimedia Subsystem (IMS) services; Stage 2	S2	Yes	2008-12-11	yes
23.292	IP Multimedia System (IMS) centralized services; Stage 2	S2	Yes	2008-06-05	yes
23.327	Mobility between 3GPP-Wireless Local Area Network (WLAN) interworking and 3GPP systems	S2	Yes	2008-06-05	yes
23.506	TISPAN; IP Multimedia Subsystem (IMS); Stage 2 description [3GPP TS 23.228 Release 7, modified]	S2	Yes	2007-12-06	yes
23.507	TISPAN; Voice Call Continuity (VCC); Stage 2 [3GPP TS 23.206 Release 7, modified]	S2	Yes	2007-12-06	yes
23.508	TISPAN; Presence Service; Architecture and functional description [Endorsement of 3GPP TS 23.141 and OMA-AD-Presence_SIMPLE-V1_0]	S2	Yes	2008-09-18	yes
23.509	TISPAN; NGN Architecture to support emergency communication from citizen to authority [Endorsed document 3GPP TS 23.167, Release 7]	S2	Yes	2008-09-18	yes
23.511	TISPAN; XML Document Management; Architecture and functional description [OMA-AD-XDM-V1_0-20051006-C modified]	S2	Yes	2008-09-18	yes
23.517	TISPAN; IP Multimedia Subsystem (IMS); Functional architecture	S2	Yes	2007-12-06	yes
23.521	Telecommunications and Internet converged Services and Protocols for Advanced Networks (TISPAN); Support of Short Message Service (SMS) over NGN IMS subsystem; Stage 2; [Endorsement of 3GPP TS 23.204 Release 7]	S2	Yes	2007-12-06	yes
23.611	TISPAN; XML Document Management; Architecture and functional description [OMA-AD-XDM-V1_0-20051006-C modified]	S2	Yes	2008-12-11	yes
23.811	Service level interworking for messaging services; Stage 2	S2	No	2008-12-11	yes
23.820	Study of IMS restoration procedures	C4	No	2008-12-11	yes
23.828	Earthquake and Tsunami Warning System (ETWS); Requirements and solutions; Solution placeholder	S2	No	2008-06-05	yes
23.847	Enhancements to IMS service functionalities facilitating multicast bearer services	S2	No	2008-12-11	yes
23.872	Study on architecture of IP Multimedia Subsystem (IMS) based Customized Alerting Tone (CAT)	S2	No	2008-12-11	yes
23.892	IP Multimedia Subsystem (IMS) centralized services	S2	No	2008-12-11	yes
23.919	Direct tunnel deployment guideline	S2	Yes	2008-12-11	yes
24.002	GSM - UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	C1	Yes	2008-12-11	yes
24.007	Mobile radio interface signalling layer 3; General Aspects	C1	Yes	2008-12-11	yes
24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	C1	Yes	2008-12-11	yes
24.010	Mobile radio interface layer 3; Supplementary services specification; General aspects	C4	Yes	2008-12-11	yes
24.011	Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface	C1	Yes	2008-12-11	yes
24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	C3	Yes	2008-12-11	yes
24.030	Location Services (LCS); Supplementary service operations; Stage 3	C4	Yes	2008-12-11	yes
24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP);	C4	Yes	2008-	yes

Number	Title	WG prime	For publication?	freeze date	frozen
	Stage 3			12-11	
24.072	Call Deflection (CD) supplementary service; Stage 3	C4	Yes	2008-12-11	yes
24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	C4	Yes	2008-12-11	yes
24.081	Line Identification supplementary services; Stage 3	C4	Yes	2008-12-11	yes
24.082	Call Forwarding (CF) supplementary services; Stage 3	C4	Yes	2008-12-11	yes
24.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 3	C4	Yes	2008-12-11	yes
24.084	MultiParty (MPTY) supplementary service; Stage 3	C4	Yes	2008-12-11	yes
24.085	Closed User Group (CUG) supplementary service; Stage 3	C4	Yes	2008-12-11	yes
24.086	Advice of Charge (AoC) supplementary services; Stage 3	C4	Yes	2008-12-11	yes
24.087	User-to-User Signalling (UUS); Stage 3	C4	Yes	2008-12-11	yes
24.088	Call Barring (CB) supplementary service; Stage 3	C4	Yes	2008-12-11	yes
24.090	Unstructured Supplementary Service Data (USSD); Stage 3	C4	Yes	2008-12-11	yes
24.091	Explicit Call Transfer (ECT) supplementary service; Stage 3	C4	Yes	2008-12-11	yes
24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	C4	Yes	2008-12-11	yes
24.096	Name Identification supplementary services; Stage 3	C4	Yes	2008-12-11	yes
24.141	Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	C1	Yes	2008-12-11	yes
24.147	Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	C1	Yes	2008-12-11	yes
24.182	IP Multimedia Subsystem (IMS) Customized Alerting Tones (CAT); Protocol specification	C1	Yes	2008-12-11	yes
24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	C1	Yes	2008-12-11	yes
24.239	Flexible Alerting (FA) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2008-12-11	yes
24.247	Messaging service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	C1	Yes	2008-12-11	yes
24.259	Personal Network Management (PNM); Stage 3	C1	Yes	2008-12-11	yes
24.286	IP Multimedia Core Network subsystem Centralized Services (ICS) Management Object (MO)	C1	Yes	2009-12-04	yes
24.303	Mobility management based on Dual-Stack Mobile IPv6; Stage 3	C1	Yes	2008-12-11	yes
24.304	Mobility management based on Mobile IPv4; User Equipment (UE) - foreign agent interface; Stage 3	C1	Yes	2008-12-11	yes
24.305	Selective Disabling of UE Capabilities (SDoUE) Management Object (MO)	C1	Yes	2008-12-11	yes
24.327	Mobility between 3GPP Wireless Local Area Network (WLAN) interworking (I-WLAN) and 3GPP systems; General Packet Radio System (GPRS) and 3GPP I-WLAN aspects; Stage 3	C1	Yes	2008-12-11	yes
24.341	Support of SMS over IP networks; Stage 3	C1	Yes	2008-12-11	yes
24.406	TISPAN; PSTN/ISDN simulation services; Message Waiting Indication	C1	Yes	2007-	yes

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	(MWI): Protocol specification			11-30	
24.407	TISPAN; PSTN/ISDN simulation services; Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR); Protocol specification	C1	Yes	2007-11-30	yes
24.410	TISPAN; NGN Signalling Control Protocol; Communication HOLD (HOLD) PSTN/ISDN simulation services; Protocol specification	C1	Yes	2007-11-30	yes
24.411	TISPAN; PSTN/ISDN simulation services: Anonymous Communication Rejection (ACR) and Communication Barring (CB); Protocol specification	C1	Yes	2007-11-30	yes
24.423	TISPAN; PSTN/ISDN simulation services; Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating NGN PSTN/ISDN Simulation Services	C1	Yes	2007-11-30	yes
24.430	TISPAN; Presence Service Capability; Protocol Specification [3GPP TS 24.141 V7.0.0, modified and OMA-TS-Presence_SIMPLE-V1_0, modified]	C1	Yes	2007-11-30	yes
24.441	TISPAN; Messaging service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3: Protocol specifications [Endorsement of 3GPP TS 24.247 Release 6]	C1	Yes	2008-03-07	yes
24.447	TISPAN; NGN IMS Supplementary Services; Advice Of Charge (AOC)	C1	Yes	2007-11-30	yes
24.451	TISPAN; Support of SMS and MMS over NGN IMS subsystem; Stage 3 [Endorsement of 3GPP TS 24.341 Release 7]	C1	Yes	2007-11-30	yes
24.454	TISPAN; PSTN/ISDN simulation services; Protocol specification Closed User Group (CUG)	C1	Yes	2007-11-30	yes
24.503	TISPAN; IP Multimedia Call Control Protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) Stage 3 [3GPP TS 24.229 (Release 7), modified]	C1	Yes	2008-12-11	yes
24.504	TISPAN; PSTN/ISDN simulation services: Communication Diversion (CDIV); Protocol specification	C1	Yes	2007-11-30	yes
24.505	TISPAN; PSTN/ISDN simulation services: Conference (CONF); Protocol specification	C1	Yes	2007-11-30	yes
24.508	PSTN/ISDN simulation services Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR); Protocol specification	C1	Yes	2007-11-30	yes
24.516	TISPAN; PSTN/ISDN simulation services; Malicious Communication Identification (MCID); Protocol specification	C1	Yes	2007-11-30	yes
24.528	TISPAN; Common Basic Communication procedures; Protocol specification	C1	Yes	2007-11-30	yes
24.529	TISPAN; PSTN/ISDN simulation services: Explicit Communication Transfer (ECT); Protocol specification	C1	Yes	2007-11-30	yes
24.604	Communication Diversion (CDIV) using IP Multimedia (IM)Core Network (CN) subsystem; Protocol specification	C1	Yes	2008-12-11	yes
24.605	Conference (CONF) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2008-12-11	yes
24.606	Message Waiting Indication (MWI)using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2008-12-11	yes
24.607	Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2008-12-11	yes
24.608	Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR)using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2008-12-11	yes
24.610	Communication HOLD (HOLD) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2008-12-11	yes
24.611	Anonymous Communication Rejection (ACR) and Communication Barring (CB)using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2008-12-11	yes
24.615	Communication Waiting (CW) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol Specfication	C1	Yes	2008-12-11	yes

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24.616	Malicious Communication Identification (MCID)using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2008-12-11	yes
24.623	Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Simulation Services	C1	Yes	2008-12-11	yes
24.628	Common Basic Communication procedures using IP Multimedia (IM)Core Network (CN) subsystem; Protocol specification	C1	Yes	2008-12-11	yes
24.629	Explicit Communication Transfer (ECT) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2008-12-11	yes
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	2008-12-11	yes
24.647	Advice Of Charge (AOC) using IP Multimedia (IM)Core Network (CN) subsystem; Protocol Specification	C1	Yes	2008-12-11	yes
24.654	Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem, Protocol Specification	C1	Yes	2008-12-11	yes
24.801	3GPP System Architecture Evolution (SAE); CT WG1 aspects	C1	No	2008-12-11	yes
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	2008-12-11	yes
25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements	RP	Yes	2008-12-11	yes
26.071	Mandatory speech CODEC speech processing functions; AMR speech Codec; General description	S4	Yes	2008-12-11	yes
26.073	ANSI C code for the Adaptive Multi Rate (AMR) speech codec	S4	Yes	2008-12-11	yes
26.074	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec test sequences	S4	Yes	2008-12-11	yes
26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	S4	Yes	2008-12-11	yes
26.090	Mandatory Speech Codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Transcoding functions	S4	Yes	2008-12-11	yes
26.091	Mandatory Speech Codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Error concealment of lost frames	S4	Yes	2008-12-11	yes
26.092	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Comfort noise aspects	S4	Yes	2008-12-11	yes
26.093	Mandatory speech codec speech processing functions Adaptive Multi-Rate (AMR) speech codec; Source controlled rate operation	S4	Yes	2008-12-11	yes
26.094	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Voice Activity Detector (VAD)	S4	Yes	2008-12-11	yes
26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	S4	Yes	2008-12-11	yes
26.102	Mandatory speech codec; Adaptive Multi-Rate (AMR) speech codec; Interface to Iu, Uu and Nb	S4	Yes	2008-12-11	yes
26.103	Speech codec list for GSM and UMTS	S4	Yes	2008-12-11	yes
26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	S4	Yes	2008-12-11	yes
26.110	Codec for circuit switched multimedia telephony service; General description	S4	Yes	2008-12-11	yes
26.111	Codec for circuit switched multimedia telephony service; Modifications to H.324	S4	Yes	2008-12-11	yes
26.140	Multimedia Messaging Service (MMS); Media formats and codes	S4	Yes	2008-12-11	yes
26.141	IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs	S4	Yes	2008-12-11	yes
26.171	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; General description	S4	Yes	2008-12-11	yes

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26.173	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-WB) speech codec	S4	Yes	2008-12-11	yes
26.174	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec test sequences	S4	Yes	2008-12-11	yes
26.190	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Transcoding functions	S4	Yes	2008-12-11	yes
26.191	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Error concealment of erroneous or lost frames	S4	Yes	2008-12-11	yes
26.192	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Comfort noise aspects	S4	Yes	2008-12-11	yes
26.193	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Source controlled rate operation	S4	Yes	2008-12-11	yes
26.194	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Voice Activity Detector (VAD)	S4	Yes	2008-12-11	yes
26.201	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Frame structure	S4	Yes	2008-12-11	yes
26.202	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Interface to Iu, Uu and Nb	S4	Yes	2008-12-11	yes
26.204	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; ANSI-C code	S4	Yes	2008-12-11	yes
26.226	Cellular text telephone modem; General description	S4	Yes	2008-12-11	yes
26.230	Cellular text telephone modem; Transmitter bit exact C-code	S4	Yes	2008-12-11	yes
26.231	Cellular text telephone modem; Minimum performance requirements	S4	Yes	2008-12-11	yes
26.235	Packet switched conversational multimedia applications; Default codecs	S4	Yes	2008-12-11	yes
26.243	ANSI C code for the fixed-point distributed speech recognition extended advanced front-end	S4	Yes	2008-12-11	yes
26.244	Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP)	S4	Yes	2008-12-11	yes
26.267	eCall data transfer; In-band modem solution; General description	S4	Yes	2009-03-12	yes
26.268	eCall data transfer; In-band modem solution; ANSI-C reference code	S4	Yes	2009-03-12	yes
26.269	eCall data transfer; In-band modem solution; Conformance testing	S4	Yes	2009-06-04	yes
26.273	ANSI-C code for the fixed-point Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec	S4	Yes	2008-12-11	yes
26.274	Speech codec speech processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec; Conformance testing	S4	Yes	2008-12-11	yes
26.290	Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions	S4	Yes	2008-12-11	yes
26.304	Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Floating-point ANSI-C code	S4	Yes	2008-12-11	yes
26.401	General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description	S4	Yes	2008-12-11	yes
26.402	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools	S4	Yes	2008-12-11	yes
26.403	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Advanced Audio Coding (AAC) part	S4	Yes	2008-12-11	yes
26.404	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Spectral Band Replication (SBR) part	S4	Yes	2008-12-11	yes
26.405	General audio codec audio processing functions; Enhanced aacPlus	S4	Yes	2008-	yes

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	general audio codec; Encoder specification; Parametric stereo part			12-11	
26.406	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Conformance testing	S4	Yes	2008-12-11	yes
26.410	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Floating-point ANSI-C code	S4	Yes	2008-12-11	yes
26.411	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Fixed-point ANSI-C code	S4	Yes	2008-12-11	yes
26.412	General audio codec audio processing functions; Source code for 3GP file format	S4	Yes	2008-12-11	yes
26.902	Video codec performance	S4	Yes	2008-12-11	yes
26.911	Codec(s) for Circuit-Switched (CS) multimedia telephony service; Terminal implementor"s guide	S4	Yes	2008-12-11	yes
26.914	Multimedia telephony over IP Multimedia Subsystem (IMS); Optimization opportunities	S4	Yes	2008-12-11	yes
26.935	Packet Switched (PS) conversational multimedia applications; Performance characterization of default codecs	S4	Yes	2008-12-11	yes
26.936	Performance characterization of 3GPP audio codecs	S4	Yes	2008-12-11	yes
26.943	Recognition performance evaluations of codecs for Speech Enabled Services (SES)	S4	Yes	2008-12-11	yes
26.946	Multimedia Broadcast/Multicast Service (MBMS) user service guidelines	S4	Yes	2008-12-11	yes
26.967	eCall data transfer; In-band modem solution	S4	No	2008-12-11	yes
26.969	eCall data transfer; In-band modem solution; Characterization report	S4	No	2009-09-24	yes
26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	S4	Yes	2008-12-11	yes
26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	S4	Yes	2008-12-11	yes
26.978	Results of the Adaptive Multi-Rate (AMR) noise suppression selection phase	S4	Yes	2008-12-11	yes
27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	C3	Yes	2008-12-11	yes
27.002	Terminal Adaptation Functions (TAF) for services using asynchronous bearer capabilities	C3	Yes	2008-12-11	yes
27.003	Terminal Adaptation Functions (TAF) for services using synchronous bearer capabilities	C3	Yes	2008-12-11	yes
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	2008-12-11	yes
27.007	AT command set for User Equipment (UE)	C1	Yes	2008-12-11	yes
27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	C3	Yes	2008-12-11	yes
27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	C3	Yes	2008-12-11	yes
28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4	Yes	2008-12-11	yes
29.002	Mobile Application Part (MAP) specification	C4	Yes	2008-12-11	yes
29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	C3	Yes	2008-12-11	yes
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	C4	Yes	2008-12-11	yes

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	Application Part (MAP)				
29.011	Signalling Interworking for supplementary services	C4	Yes	2008-12-11	yes
29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	C4	Yes	2008-12-11	yes
29.016	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification	C1	Yes	2008-12-11	yes
29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	C1	Yes	2008-12-11	yes
29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	C4	Yes	2008-12-11	yes
29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	C3	Yes	2008-12-11	yes
29.078	Customized Applications for Mobile network Enhanced Logic (CAMEL) Phase X; CAMEL Application Part (CAP) specification	C4	Yes	2008-12-11	yes
29.109	Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Stage 3	C4	Yes	2008-12-11	yes
29.162	Interworking between the IM CN subsystem and IP networks	C3	Yes	2008-12-11	yes
29.163	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	C3	Yes	2008-12-11	yes
29.164	Interworking between the 3GPP CS domain with BICC or ISUP as signalling protocol and external SIP-I networks	C3	Yes	2008-12-11	yes
29.165	Inter-IMS Network to Network Interface (NNI)	C3	Yes	2008-12-11	yes
29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	CP	Yes	2008-12-11	yes
29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data definitions	CP	Yes	2008-12-11	yes
29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	CP	Yes	2008-12-11	yes
29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Call control common definitions	CP	Yes	2008-12-11	yes
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	2008-12-11	yes
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	2008-12-11	yes
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	2008-12-11	yes
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	2008-12-11	yes
29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: User interaction Service Capability Feature (SCF)	CP	Yes	2008-12-11	yes
29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility Service Capability Feature (SCF)	CP	Yes	2008-12-11	yes
29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities Service Capability Feature (SCF)	CP	Yes	2008-12-11	yes
29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control Service Capability Feature (SCF)	CP	Yes	2008-12-11	yes
29.198-10	Open Service Access (OSA) Application Programming Interface (API); Part 10: Connectivity manager Service Capability Feature (SCF)	CP	Yes	2008-12-11	yes

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29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management Service Capability Feature (SCF)	CP	Yes	2008-12-11	yes
29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging Service Capability Feature (SCF)	CP	Yes	2008-12-11	yes
29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management Service Capability Feature (SCF)	CP	Yes	2008-12-11	yes
29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM) Service Capability Feature (SCF)	CP	Yes	2008-12-11	yes
29.198-15	Open Service Access (OSA) Application Programming Interface (API); Part 15: Multi-media Messaging (MM) Service Capability Feature (SCF)	CP	Yes	2008-12-11	yes
29.198-16	Open Service Access (OSA) Application Programming Interface (API); Part 16: Service broker Service Capability Feature (SCF)	CP	Yes	2008-12-11	yes
29.199-01	Open Service Access (OSA); Parlay X web services; Part 1: Common	CP	Yes	2008-12-11	yes
29.199-02	Open Service Access (OSA); Parlay X web services; Part 2: Third party call	CP	Yes	2008-12-11	yes
29.199-03	Open Service Access (OSA); Parlay X web services; Part 3: Call notification	CP	Yes	2008-12-11	yes
29.199-04	Open Service Access (OSA); Parlay X web services; Part 4: Short messaging	CP	Yes	2008-12-11	yes
29.199-05	Open Service Access (OSA); Parlay X web services; Part 5: Multimedia messaging	CP	Yes	2008-12-11	yes
29.199-06	Open Service Access (OSA); Parlay X web services; Part 6: Payment	CP	Yes	2008-12-11	yes
29.199-07	Open Service Access (OSA); Parlay X web services; Part 7: Account management	CP	Yes	2008-12-11	yes
29.199-08	Open Service Access (OSA); Parlay X web services; Part 8: Terminal status	CP	Yes	2008-12-11	yes
29.199-09	Open Service Access (OSA); Parlay X web services; Part 9: Terminal location	CP	Yes	2008-12-11	yes
29.199-10	Open Service Access (OSA); Parlay X web services; Part 10: Call handling	CP	Yes	2008-12-11	yes
29.199-11	Open Service Access (OSA); Parlay X web services; Part 11: Audio call	CP	Yes	2008-12-11	yes
29.199-12	Open Service Access (OSA); Parlay X web services; Part 12: Multimedia conference	CP	Yes	2008-12-11	yes
29.199-13	Open Service Access (OSA); Parlay X web services; Part 13: Address list management	CP	Yes	2008-12-11	yes
29.199-14	Open Service Access (OSA); Parlay X web services; Part 14: Presence	CP	Yes	2008-12-11	yes
29.199-15	Open Service Access (OSA); Parlay X web services; Part 15: Message broadcast	CP	Yes	2008-12-11	yes
29.199-16	Open Service Access (OSA); Parlay X web services; Part 16: Geocoding	CP	Yes	2008-12-11	yes
29.199-17	Open Service Access (OSA); Parlay X web services; Part 17: Application-driven Quality of Service (QoS)	CP	Yes	2008-12-11	yes
29.199-18	Open Service Access (OSA); Parlay X web services; Part 18: Device capabilities and configuration	CP	Yes	2008-12-11	yes
29.199-19	Open Service Access (OSA); Parlay X web services; Part 19: Multimedia streaming control	CP	Yes	2008-12-11	yes
29.199-20	Open Service Access (OSA); Parlay X web services; Part 20: Multimedia multicast session management	CP	Yes	2008-12-11	yes
29.199-21	Open Service Access (OSA); Parlay X web services; Part 21: Content management	CP	Yes	2008-12-11	yes
29.199-22	Open Service Access (OSA); Parlay X web services; Part 22: Policy	CP	Yes	2008-12-11	yes

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29.204	Signalling System No. 7 (SS7) security gateway; Architecture, functional description and protocol details	C4	Yes	2008-12-11	yes
29.213	Policy and charging control signalling flows and Quality of Service (QoS) parameter mapping	C3	Yes	2008-12-11	yes
29.215	Policy and Charging Control (PCC) over S9 reference point	C3	Yes	2008-12-11	yes
29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	C4	Yes	2008-12-11	yes
29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	C4	Yes	2008-12-11	yes
29.230	Diameter applications; 3GPP specific codes and identifiers	C4	Yes	2008-12-11	yes
29.231	Application of SIP-I Protocols to Circuit Switched (CS) core network architecture; Stage 3	C4	Yes	2008-12-11	yes
29.235	Interworking between SIP-I based circuit-switched core network and other networks	C3	Yes	2008-12-11	yes
29.278	Customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	C4	Yes	2008-12-11	yes
29.328	IP Multimedia Subsystem (IMS) Sh interface; Signalling flows and message contents	C4	Yes	2008-12-11	yes
29.329	Sh interface based on the Diameter protocol; Protocol details	C4	Yes	2008-12-11	yes
29.364	IP Multimedia Subsystem (IMS) Application Server (AS) service data descriptions for AS interoperability	C4	Yes	2008-12-11	yes
29.412	TISPAN; Interworking; Trunking Gateway Control Procedures for interworking between NGN and external CS networks	C3	Yes	2008-05-30	yes
29.421	TISPAN; NGN Release 1; Endorsement of 3GPP TS 29.162 Interworking between IM CN Sub-system and IP networks	C3	Yes	2007-11-30	yes
29.424	TISPAN; H.248 Profile for controlling Trunking Media Gateways; Protocol specification	C4	Yes	2008-09-12	yes
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	2007-11-30	yes
29.458	TISPAN; SIP Transfer of IP Multimedia Service Tariff Information; Protocol specification	C3	Yes	2007-11-30	yes
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	2007-11-30	yes
29.658	TISPAN; SIP Transfer of IP Multimedia Service Tariff Information; Protocol specification	C3	Yes	2008-12-11	yes
29.804	3GPP System Architecture Evolution (SAE): CT WG3 aspects	C3	No	2008-12-11	yes
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	2008-12-11	yes
29.864	Study on IMS Application Server (AS) service data descriptions for AS interoperability	C4	No	2008-12-11	yes
29.865	Inter-IMS network to network interface	C3	No	2008-12-11	yes
29.909	Diameter-based protocols usage and recommendations in 3GPP	C3	Yes	2008-12-11	yes
29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	C1	Yes	2008-12-11	yes
29.998-01	Open Service Access (OSA); Application Programming Interface (API) mapping for OSA; Part 1: General issues on API mapping	CP	Yes	2008-12-11	yes
29.998-	Open Service Access (OSA); Application Programming Interface (API)	CP	Yes	2008-	yes

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04-1	Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping			12-11	
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	2008-12-11	yes
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	2008-12-11	yes
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	2008-12-11	yes
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	2008-12-11	yes
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	2008-12-11	yes
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	2008-12-11	yes
31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	C6	Yes	2008-12-11	yes
31.111	Universal Subscriber Identity Module (USIM) Application Toolkit (USAT)	C6	Yes	2008-12-11	yes
31.115	Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	C6	Yes	2008-12-11	yes
31.116	Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	C6	Yes	2008-12-11	yes
31.130	(U)SIM Application Programming Interface (API); (U)SIM API for Java Card	C6	Yes	2008-12-11	yes
31.133	IP Multimedia Services Identity Module (ISIM) Application Programming Interface (API); ISIM API for Java Card™	C6	Yes	2008-12-11	yes
31.919	2G/3G Java Card™ Application Programming Interface (API) based applet interworking	C6	Yes	2008-12-11	yes
32.101	Telecommunication management; Principles and high level requirements	S5	Yes	2008-12-11	yes
32.102	Telecommunication management; Architecture	S5	Yes	2008-12-11	yes
32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	S5	Yes	2008-12-11	yes
32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2008-12-11	yes
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	2008-12-11	yes
32.111-5	Telecommunication management; Fault Management; Part 5: Alarm Integration Reference Point (IRP): eXtensible Markup Language (XML) definitions	S5	Yes	2008-12-11	yes
32.111-7	Telecommunication management; Fault Management; Part 7: Alarm IRP SOAP Solution Set (SS)	S5	Yes	2009-03-12	yes
32.121	Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.122	Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2008-12-11	yes
32.123	Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.125	Telecommunication management; Advanced Alarm Management	S5	Yes		

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	(AAM) Integration Reference Point (IRP)				
32.140	Telecommunication management; Subscription Management (SuM) requirements	S5	Yes	2008-12-11	yes
32.141	Telecommunication management; Subscription Management (SuM) architecture	S5	Yes	2008-12-11	yes
32.150	Telecommunication management; Integration Reference Point (IRP) Concept and definitions	S5	Yes	2008-12-11	yes
32.151	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template	S5	Yes	2008-12-11	yes
32.152	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire	S5	Yes	2008-12-11	yes
32.153	Telecommunication management; Integration Reference Point (IRP) technology specific templates, rules and guidelines	S5	Yes	2009-03-12	yes
32.154	Telecommunication management; Backward and Forward Compatibility (BFC); Concept and definitions	S5	Yes	2008-12-11	yes
32.155	Telecommunication management; Requirements template	S5	Yes	2008-12-11	yes
32.171	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.172	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2008-12-11	yes
32.175	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) definition	S5	Yes	2008-12-11	yes
32.240	Telecommunication management; Charging management; Charging architecture and principles	S5	Yes	2008-12-11	yes
32.250	Telecommunication management; Charging management; Circuit Switched (CS) domain charging	S5	Yes	2008-12-11	yes
32.251	Telecommunication management; Charging management; Packet Switched (PS) domain charging	S5	Yes	2008-12-11	yes
32.252	Telecommunication management; Charging management; Wireless Local Area Network (WLAN) charging	S5	Yes	2008-12-11	yes
32.260	Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging	S5	Yes	2008-12-11	yes
32.270	Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging	S5	Yes	2008-12-11	yes
32.271	Telecommunication management; Charging management; Location Services (LCS) charging	S5	Yes	2008-12-11	yes
32.272	Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging	S5	Yes	2008-12-11	yes
32.273	Telecommunication management; Charging management; Multimedia Broadcast and Multicast Service (MBMS) charging	S5	Yes	2008-12-11	yes
32.274	Telecommunication management; Charging management; Short Message Service (SMS) charging	S5	Yes	2008-12-11	yes
32.295	Telecommunication management; Charging management; Charging Data Record (CDR) transfer	S5	Yes	2008-12-11	yes
32.296	Telecommunication management; Charging management; Online Charging System (OCS): Applications and interfaces	S5	Yes	2008-12-11	yes
32.297	Telecommunication management; Charging management; Charging Data Record (CDR) file format and transfer	S5	Yes	2008-12-11	yes
32.298	Telecommunication management; Charging management; Charging Data Record (CDR) parameter description	S5	Yes	2008-12-11	yes
32.299	Telecommunication management; Charging management; Diameter charging applications	S5	Yes	2008-12-11	yes
32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	S5	Yes	2008-12-11	yes

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32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2008-12-11	yes
32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.305	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); eXtensible Markup Language (XML) definition	S5	Yes	2008-12-11	yes
32.307	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); SOAP Solution Set (SS)	S5	Yes	2008-12-11	yes
32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	S5	Yes	2008-12-11	yes
32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	S5	Yes	2008-12-11	yes
32.313	Telecommunication management; Generic Integration Reference Point (IRP) management; Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.317	Telecommunication management; Generic Integration Reference Point (IRP) management; SOAP Solution Set (SS)	S5	Yes	2008-12-11	yes
32.321	Telecommunication management; Test management Integration Reference Point (IRP): Requirements	S5	Yes	2008-12-11	yes
32.322	Telecommunication management; Test management Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2008-12-11	yes
32.323	Telecommunication management; Test management Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.325	Telecommunication management; Test management Integration Reference Point (IRP); eXtensible Markup Language (XML) definitions	S5	Yes	2008-12-11	yes
32.331	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.332	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2008-12-11	yes
32.333	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.335	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); eXtensible Markup Language (XML) solution definitions	S5	Yes	2008-12-11	yes
32.341	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.342	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2008-12-11	yes
32.343	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.345	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); eXtensible Markup Language (XML) definitions	S5	Yes	2008-12-11	yes
32.347	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); SOAP Solution Set (SS)	S5	Yes	2009-03-12	yes
32.351	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.352	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2008-12-11	yes
32.353	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.361	Telecommunication management; Entry Point (EP) Integration	S5	Yes	2008-	yes

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	Reference Point (IRP); Requirements			12-11	
32.362	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2008-12-11	yes
32.363	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.365	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); eXtensible Markup Language (XML) definitions	S5	Yes	2008-12-11	yes
32.367	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); SOAP Solution Set (SS)	S5	Yes	2009-03-12	yes
32.371	Telecommunication management; Security Management concept and requirements	S5	Yes	2008-12-11	yes
32.372	Telecommunication management; Security services for Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2008-12-11	yes
32.373	Telecommunication management; Security services for Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution	S5	Yes	2008-12-11	yes
32.375	Telecommunication management; Security services for Integration Reference Point (IRP); File integrity solution	S5	Yes	2008-12-11	yes
32.381	Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.382	Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2008-12-11	yes
32.383	Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.385	Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); eXtensible Markup Language (XML) file format definition	S5	Yes	2008-12-11	yes
32.391	Telecommunication management; Delta synchronization Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.392	Telecommunication management; Delta synchronization Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2008-12-11	yes
32.393	Telecommunication management; Delta synchronization Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.395	Telecommunication management; Delta synchronization Integration Reference Point (IRP); eXtensible Markup Language (XML) file format definition	S5	Yes	2008-12-11	yes
32.401	Telecommunication management; Performance Management (PM); Concept and requirements	S5	Yes	2008-12-11	yes
32.404	Telecommunication management; Performance Management (PM); Performance measurements - Definitions and template	S5	Yes	2008-12-11	yes
32.405	Telecommunication management; Performance Management (PM); Performance measurements Universal Terrestrial Radio Access Network (UTRAN)	S5	Yes	2008-12-11	yes
32.406	Telecommunication management; Performance Management (PM); Performance measurements Core Network (CN) Packet Switched (PS) domain	S5	Yes	2008-12-11	yes
32.407	Telecommunication management; Performance Management (PM); Performance measurements Core Network (CN) Circuit Switched (CS) domain	S5	Yes	2008-12-11	yes
32.408	Telecommunication management; Performance Management (PM); Performance measurements Teleservice	S5	Yes	2008-12-11	yes
32.409	Telecommunication management; Performance Management (PM); Performance measurements IP Multimedia Subsystem (IMS)	S5	Yes	2008-12-11	yes
32.410	Telecommunication management; Key Performance Indicators (KPI) for UMTS and GSM	S5	Yes	2009-03-12	yes
32.411	Telecommunication management; Performance Management (PM)	S5	Yes	2008-	yes

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	Integration Reference Point (IRP): Requirements			12-11	
32.412	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2008-12-11	yes
32.413	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.415	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); eXtensible Markup Language (XML) definitions	S5	Yes	2008-12-11	yes
32.417	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); SOAP Solution Set (SS)	S5	Yes	2009-03-12	yes
32.421	Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements	S5	Yes	2008-12-11	yes
32.422	Telecommunication management; Subscriber and equipment trace; Trace control and configuration management	S5	Yes	2008-12-11	yes
32.423	Telecommunication management; Subscriber and equipment trace; Trace data definition and management	S5	Yes	2008-12-11	yes
32.432	Telecommunication management; Performance measurement: File format definition	S5	Yes	2008-12-11	yes
32.435	Telecommunication management; Performance measurement: eXtensible Markup Language (XML) file format definition	S5	Yes	2008-12-11	yes
32.436	Telecommunication management; Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition	S5	Yes	2008-12-11	yes
32.441	Telecommunication management; Trace Management Integration Reference Point (IRP): Requirements	S5	Yes	2008-12-11	yes
32.442	Telecommunication management; Trace Management Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2008-12-11	yes
32.443	Telecommunication management; Trace Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	S5	Yes	2008-12-11	yes
32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2008-12-11	yes
32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.607	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); SOAP Solution Set (SS)	S5	Yes	2008-12-11	yes
32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	S5	Yes	2008-12-11	yes
32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2008-12-11	yes
32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	S5	Yes	2008-12-11	yes
32.617	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Bulk CM IRP SOAP Solution Set (SS)	S5	Yes	2009-03-12	yes
32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network	S5	Yes	2008-12-11	yes

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	Resource Model (NRM)				
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	2008-12-11	yes
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	2008-12-11	yes
32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP); Network Resource Model (NRM)	S5	Yes	2008-12-11	yes
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	2008-12-11	yes
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	2008-12-11	yes
32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP); Network Resource Model (NRM)	S5	Yes	2008-12-11	yes
32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.655	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP); Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes	2008-12-11	yes
32.661	Telecommunication management; Configuration Management (CM); Kernel CM Requirements	S5	Yes	2008-12-11	yes
32.662	Telecommunication management; Configuration Management (CM); Kernel CM Information Service (IS)	S5	Yes	2008-12-11	yes
32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.665	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP); eXtensible Markup Language (XML) definitions	S5	Yes	2008-12-11	yes
32.667	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP); SOAP Solution Set (SS)	S5	Yes	2008-12-11	yes
32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2008-12-11	yes
32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2008-12-11	yes
32.675	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes	2008-12-11	yes
32.690	Telecommunication management; Inventory Management (IM); Requirements	S5	Yes	2008-12-11	yes
32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes

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32.692	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP); Network Resource Model (NRM)	S5	Yes	2008-12-11	yes
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	2008-12-11	yes
32.711	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.712	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2008-12-11	yes
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	2008-12-11	yes
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	2008-12-11	yes
32.721	Telecommunication management; Configuration Management (CM); Repeater network resources Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.722	Telecommunication management; Configuration Management (CM); Repeater network resources Integration Reference Point (IRP); information Service (IS)	S5	Yes	2008-12-11	yes
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	2008-12-11	yes
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	2008-12-11	yes
32.731	Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.732	Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2008-12-11	yes
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	2008-12-11	yes
32.735	Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); eXtensible Markup Language (XML) file format definition	S5	Yes	2008-12-11	yes
32.741	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
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	2008-12-11	yes
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	2008-12-11	yes
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	2008-12-11	yes

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32.751	Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
32.752	Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2009-03-12	yes
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	2009-03-12	yes
32.755	Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes	2009-03-12	yes
32.761	Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes	2008-12-11	yes
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	2009-03-12	yes
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	2009-03-12	yes
32.765	Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes	2009-03-12	yes
32.808	Telecommunication management; Study of Common Profile Storage (CPS) Framework of User Data for network services and management	S5	No	2008-12-11	yes
32.816	Telecommunication management; Study on management of Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Evolved Packet Core (EPC)	S5	Yes	2008-12-11	yes
32.818	Telecommunication management; Study on 3GPP SA5 / MTOSI XML harmonization	S5	No	2008-12-11	yes
32.820	Telecommunication management; Study on charging management; 3GPP Evolved Packet Core (EPC): Charging aspects	S5	No	2008-12-11	yes
33.203	3G security; Access security for IP-based services	S3	Yes	2008-12-11	yes
33.204	3G Security; Network Domain Security (NDS); Transaction Capabilities Application Part (TCAP) user security	S3	Yes	2008-12-11	yes
33.210	3G security; Network Domain Security (NDS); IP network layer security	S3	Yes	2008-12-11	yes
33.220	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	S3	Yes	2008-12-11	yes
33.221	Generic Authentication Architecture (GAA); Support for subscriber certificates	S3	Yes	2008-12-11	yes
33.222	Generic Authentication Architecture (GAA); Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS)	S3	Yes	2008-12-11	yes
33.223	Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) Push function	S3	Yes	2008-12-11	yes
33.259	Key establishment between a UICC hosting device and a remote device	S3	Yes	2008-12-11	yes
33.401	3GPP System Architecture Evolution (SAE); Security architecture	S3	Yes	2008-12-11	yes
33.402	3GPP System Architecture Evolution (SAE); Security aspects of non-3GPP accesses	S3	Yes	2008-12-11	yes
33.905	Recommendations for Trusted Open Platforms	S3	Yes	2008-12-11	yes

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33.919	3G Security; Generic Authentication Architecture (GAA); System description	S3	Yes	2008-12-11	yes
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	2008-12-11	yes
34.114	User Equipment (UE) / Mobile Station (MS) Over The Air (OTA) antenna performance; Conformance testing	R5	Yes	2008-12-11	yes
34.131	Test Specification for C-language binding to (Universal) Subscriber Interface Module ((U)SIM) Application Programming Interface (API)	C6	Yes	2008-12-11	yes
35.215	Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 1: UEA2 and UIA2 specifications	S3	Yes	2008-12-11	yes
35.216	Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 2: SNOW 3G specification	S3	Yes	2008-12-11	yes
35.217	Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 3: Implementors" test data	S3	Yes	2008-12-11	yes
35.218	Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 4: Design conformance test data	S3	Yes	2008-12-11	yes
35.919	Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 5: Design and evaluation report	S3	Yes	2008-12-11	yes
41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	S3	Yes	2008-12-11	yes
41.033	Lawful Interception requirements for GSM	S3	Yes	2008-12-11	yes
41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	SP	Yes	2008-12-11	yes
42.033	Lawful Interception; Stage 1	S3	Yes	2008-12-11	yes
42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	S1	Yes	2008-12-11	yes
42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	S1	Yes	2008-12-11	yes
42.068	Voice Group Call Service (VGCS); Stage 1	S1	Yes	2008-12-11	yes
42.069	Voice Broadcast Service (VBS); Stage 1	S1	Yes	2007-12-06	yes
43.005	Technical performance objectives	CP	Yes	2008-12-11	yes
43.010	GSM Public Land Mobile Network (PLMN) connection types	C3	Yes	2008-12-11	yes
43.013	Discontinuous Reception (DRX) in the GSM system	G1	Yes	2008-12-11	yes
43.020	Security-related network functions	S3	Yes	2008-12-11	yes
43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	G1	Yes	2008-12-11	yes
43.026	Multiband operation of GSM / DCS 1800 by a single operator	G1	Yes	2008-12-11	yes
43.030	Radio network planning aspects	G1	Yes	2008-12-11	yes
43.033	3G security; Lawful Interception; Stage 2	S3	Yes	2008-12-11	yes
43.045	Technical Realization of Facsimile Group 3 Service - transparent	C3	Yes	2008-12-11	yes
43.050	Transmission planning aspects of the speech service in the GSM Public Land Mobile Network (PLMN) system	S4	Yes	2008-12-11	yes
43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	G1	Yes	2008-12-11	yes

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43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	G1	Yes	2008-12-11	yes
43.055	Dual Transfer Mode (DTM); Stage 2	G1	Yes	2008-12-11	yes
43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	S4	Yes	2008-12-11	yes
43.059	Functional stage 2 description of Location Services (LCS) in GERAN	G1	Yes	2008-12-11	yes
43.064	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	G1	Yes	2008-12-11	yes
43.068	Voice Group Call Service (VGCS); Stage 2	C1	Yes	2008-12-11	yes
43.069	Voice Broadcast service (VBS); Stage 2	C1	Yes	2008-12-11	yes
43.073	Support of Localised Service Area (SoLSA); Stage 2	C4	Yes	2008-12-11	yes
43.129	Packed-switched handover for GERAN A/Gb mode; Stage 2	G1	Yes	2008-12-11	yes
43.130	Iur-g interface; Stage 2	G1	Yes	2008-12-11	yes
43.246	Multimedia Broadcast/Multicast Service (MBMS) in the GERAN; Stage 2	G1	Yes	2008-12-11	yes
43.318	Generic Access Network (GAN); Stage 2	G1	Yes	2008-12-11	yes
43.901	Feasibility Study on generic access to A/Gb interface	G1	Yes	2008-12-11	yes
43.902	Enhanced Generic Access Networks (EGAN) study	G1	Yes	2008-12-11	yes
43.903	A-interface over IP study (AINTIP)	GP	Yes	2008-12-11	yes
44.001	Mobile Station - Base Station System (MS - BSS) interface; General aspects and principles	C1	Yes	2008-12-11	yes
44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	G2	Yes	2008-12-11	yes
44.004	Layer 1; General Requirements	G2	Yes	2008-12-11	yes
44.005	Data Link (DL) Layer General Aspects	G2	Yes	2008-12-11	yes
44.006	Mobile Station - Base Stations System (MS - BSS) interface Data Link (DL) layer specification	G2	Yes	2008-12-11	yes
44.012	Short Message Service Cell Broadcast (SMSCB) support on the mobile radio interface	G2	Yes	2008-12-11	yes
44.013	Performance requirements on the mobile radio interface	C1	Yes	2008-12-11	yes
44.014	Individual equipment type requirements and interworking; Special conformance testing functions	G2	Yes	2008-12-11	yes
44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	G2	Yes	2008-12-11	yes
44.021	Rate adaption on the Mobile Station - Base Station System (MS-BSS) interface	C3	Yes	2008-12-11	yes
44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	G2	Yes	2008-12-11	yes
44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	G2	Yes	2008-12-11	yes
44.056	GSM Cordless Telephony System (CTS), Phase 1; CTS radio interface layer 3 specification	C1	Yes	2008-12-11	yes
44.057	GSM Cordless Telephony System (CTS), Phase 1; CTS supervising	C1	Yes	2008-	yes

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	system layer 3 specification			12-11	
44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control / Medium Access Control (RLC/MAC) protocol	G2	Yes	2008-12-11	yes
44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN); Logical Link Control (LLC) Layer Specification	C1	Yes	2008-12-11	yes
44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	C1	Yes	2008-12-11	yes
44.068	Group Call Control (GCC) protocol	C1	Yes	2008-12-11	yes
44.069	Broadcast Call Control (BCC) protocol	C1	Yes	2008-12-11	yes
44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	G2	Yes	2008-12-11	yes
44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; Iu mode	G2	Yes	2008-12-11	yes
44.160	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol for Iu mode	G2	Yes	2008-12-11	yes
44.318	Generic Access Network (GAN); Mobile GAN interface layer 3 specification	G2	Yes	2008-12-11	yes
44.901	External Network Assisted Cell Change (NACC)	G2	Yes	2008-12-11	yes
45.001	Physical layer on the radio path; General description	G1	Yes	2008-12-11	yes
45.002	Multiplexing and multiple access on the radio path	G1	Yes	2008-12-11	yes
45.003	Channel coding	G1	Yes	2008-12-11	yes
45.004	Modulation	G1	Yes	2008-12-11	yes
45.005	Radio transmission and reception	G1	Yes	2008-12-11	yes
45.008	Radio subsystem link control	G1	Yes	2008-12-11	yes
45.009	Link adaptation	G1	Yes	2008-12-11	yes
45.010	Radio subsystem synchronization	G1	Yes	2008-12-11	yes
45.015	Release independent Downlink Advanced Receiver Performance (DARP); Implementation guidelines	G1	Yes	2008-12-11	yes
45.022	Radio link management in hierarchical networks	G1	Yes	2008-12-11	yes
45.050	Background for RF Requirements	G1	Yes	2008-12-11	yes
45.056	CTS-FP Radio Sub-system	G1	Yes	2008-12-11	yes
45.902	Flexible Layer One (FLO)	G1	Yes	2008-12-11	yes
45.903	Feasibility study on Single Antenna Interference Cancellation (SAIC) for GSM networks	G1	Yes	2008-12-11	yes
45.912	Feasibility study for evolved GSM/EDGE Radio Access Network (GERAN)	GP	Yes	2008-12-11	yes
45.913	Optimized transmit pulse shape for downlink Enhanced General Packet Radio Service (EGPRS2-B)	G1	Yes		
45.914	Circuit switched voice capacity evolution for GSM/EDGE Radio Access Network (GERAN)	G1	Yes	2009-02-20	yes
46.001	Full rate speech; Processing functions	S4	Yes	2008-	yes

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				12-11	
46.002	Half rate speech; Half rate speech processing functions	S4	Yes	2008-12-11	yes
46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	S4	Yes	2008-12-11	yes
46.007	Half rate speech; Test sequences for the GSM half rate speech codec	S4	Yes	2008-12-11	yes
46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	S4	Yes	2008-12-11	yes
46.010	Full-rate speech; Transcoding	S4	Yes	2008-12-11	yes
46.011	Full rate speech; Substitution and muting of lost frames for full rate speech channels	S4	Yes	2008-12-11	yes
46.012	Full rate speech; Comfort noise aspect for full rate speech traffic channels	S4	Yes	2008-12-11	yes
46.020	Half rate speech; Half rate speech transcoding	S4	Yes	2008-12-11	yes
46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	S4	Yes	2008-12-11	yes
46.022	Half rate speech; Comfort noise aspects for the half rate speech traffic channels	S4	Yes	2008-12-11	yes
46.031	Full rate speech; Discontinuous Transmission (DTX) for full rate speech traffic channels	S4	Yes	2008-12-11	yes
46.032	Full rate speech; Voice Activity Detector (VAD) for full rate speech traffic channels	S4	Yes	2008-12-11	yes
46.041	Half rate speech; Discontinuous Transmission (DTX) for half rate speech traffic channels	S4	Yes	2008-12-11	yes
46.042	Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels	S4	Yes	2008-12-11	yes
46.051	Enhanced Full Rate (EFR) speech processing functions; General description	S4	Yes	2008-12-11	yes
46.053	ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec	S4	Yes	2008-12-11	yes
46.054	Test sequences for the GSM Enhanced Full Rate (EFR) speech codec	S4	Yes	2008-12-11	yes
46.055	Performance characterization of the GSM Enhanced Full Rate (EFR) speech codec	S4	Yes	2008-12-11	yes
46.060	Enhanced Full Rate (EFR) speech transcoding	S4	Yes	2008-12-11	yes
46.061	Substitution and muting of lost frames for Enhanced Full Rate (EFR) speech traffic channels	S4	Yes	2008-12-11	yes
46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	S4	Yes	2008-12-11	yes
46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	S4	Yes	2008-12-11	yes
46.081	Discontinuous Transmission (DTX) for Enhanced Full Rate (EFR) speech traffic channels	S4	Yes	2008-12-11	yes
46.082	Voice Activity Detector (VAD) for Enhanced Full Rate (EFR) speech traffic channels	S4	Yes	2008-12-11	yes
46.085	Subjective tests on the interoperability of the Half Rate / Full Rate / Enhanced Full Rate (HR/FR/EFR) speech codecs, single, tandem and tandem free operation	S4	Yes	2008-12-11	yes
48.001	Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; General aspects	G2	Yes	2008-12-11	yes
48.002	Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; Interface principles	G2	Yes	2008-12-11	yes
48.004	Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; Layer 1 specification	G2	Yes	2008-12-11	yes

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48.006	Signalling transport mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) interface	G2	Yes	2008-12-11	yes
48.008	Mobile Switching Centre - Base Station system (MSC-BSS) interface; Layer 3 specification	G2	Yes	2008-12-11	yes
48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb interface Layer 1	G2	Yes	2008-12-11	yes
48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Network service	G2	Yes	2008-12-11	yes
48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS protocol (BSSGP)	G2	Yes	2008-12-11	yes
48.020	Rate adaption on the Base Station System - Mobile-services Switching Centre (BSS-MSC) interface	C3	Yes	2008-12-11	yes
48.031	Location Services (LCS): Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	G2	Yes	2008-12-11	yes
48.051	Base Station Controller - Base Transceiver Station (BSC-BTS) interface; General aspects	G2	Yes	2008-12-11	yes
48.052	Base Station Controller - Base Transceiver Station (BSC-BTS) interface; Interface principles	G2	Yes	2008-12-11	yes
48.054	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits	G2	Yes	2008-12-11	yes
48.056	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification	G2	Yes	2008-12-11	yes
48.058	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface; Layer 3 specification	G2	Yes	2008-12-11	yes
48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	G1	Yes	2008-12-11	yes
48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	G1	Yes	2008-12-11	yes
48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	G2	Yes	2008-12-11	yes
48.103	Base Station System - Media GateWay (BSS-MGW) interface; User plane transport mechanism	G2	Yes	2008-12-11	yes
49.008	Application of the Base Station System Application Part (BSSAP) on the E-interface	C1	Yes	2008-12-11	yes
49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	G2	Yes	2008-12-11	yes
49.995	General Packet Radio Service (GPRS); Interworking between modified Public Land Mobile Network (PLMN) supporting GPRS and legacy GPRS mobiles	G1	Yes	2008-12-11	yes
51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G3new	Yes	2008-12-11	yes
51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G3new	Yes	2008-12-11	yes
51.010-5	Mobile Station (MS) conformance specification; Part 5: Inter-Radio-Access-Technology (RAT) (GERAN / UTRAN) interaction Abstract Test Suite (ATS)	G3new	Yes	2008-12-11	yes
51.021	Base Station System (BSS) equipment specification; Radio aspects	G1	Yes	2008-12-11	yes
51.026	Base Station System (BSS) equipment specification; Part 4: Repeaters	G1	Yes	2008-12-11	yes
52.008	Telecommunication management; GSM subscriber and equipment trace	S5	Yes	2008-12-11	yes
52.021	Network Management (NM) Procedures and messages on the A-bis interface	G1	Yes	2008-12-11	yes
52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	S5	Yes	2008-12-11	yes
55.205	Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation	S3	Yes	2008-12-11	yes

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	Functions A3 and A8				
55.216	Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 1: A5/3 and GEA3 specification	S3	Yes	2008-12-11	yes
55.217	Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data	S3	Yes	2008-12-11	yes
55.218	Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 3: Design and conformance test data	S3	Yes	2008-12-11	yes
55.236	Specification of A8_V MILENAGE Algorithm: An example algorithm for the key generation function A8_V	S3	Yes	2008-12-11	yes
55.919	Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 4: Design and evaluation report	S3	Yes	2008-12-11	yes

Annex A (informative):
Change history

Change history						
Date	**TSG #**	**TSG Doc.**	**CR**	**Rev**	**Subject/Comment**	**New version**
2001-06	SP-12	SP-010278	-	-	First draft	3GPP TS 41.103 version 0.0.0
2001-06-20	SP-12	SP-010384			updates table of specs	0.1.0
2001-09-12	SP-13	SP-010421			updates table of specs	1.0.0
2002-03-04	SP-15	SP-020098			updates table of specs; adds columns for freeze info	1.1.0
2002-03-13	SP-15	SP-020203			updates table of specs	1.2.0
2002-06-03	SP-16	SP-020274			updates table of specs, minor corrections	2.0.0
2002-06-11	SP-16	SP-020401			updates table of specs, minor corrections	2.1.0
2002-06-12	SP-16	SP-020411			updates table of specs; sets unknown freeze target dates blank	2.2.0
	SP-16				approved	5.0.0
2002-09	SP-17	SP-020616	001	1	update list of specs; editorial corrections to spec titles	5.1.0
2002-12	SP-18	SP-020833	002	1	Correction to list of specs, editorial corrections to spec titles	5.2.0
2003-03	SP-19	SP-030077	003	1	Correction to list of specs, editorial corrections to spec titles	5.3.0
2003-06	SP-20	SP-030229	004		Correction to list of specs	3GPP TS 41.101 version 5.4.0
		SP-030235			Renumber from 41.103 to 41.101	
2003-12	SP-22	SP-030574	001		Correction to list of specs, editorial corrections to spec titles	5.5.0
2004-01					Correction to typo in previous line of this table.	5.5.1
2004-01					Correction to typo on cover page	5.5.2
2004-03	SP-23	SP-040221	003		Corrections to list of specifications	5.6.0
2004-06	SP-24	SP-040358	005		Corrections to list of specifications	5.7.0
2004-09	SP-25	SP-040604	007		Corrections to list of specifications	5.8.0
2004-12	SP-26	SP-040880	009	1	Corrections to list of specifications	6.0.0
2005-03	SP-27	SP-050126	012		Corrections to list of specifications	6.1.0
2005-06	SP-28	SP-050356	013		Corrections to list of specifications	6.2.0
2005-09	SP-29	SP-050470	014		Change instances of Release 5 to Release 6	
		SP-050462	016		Corrections to list of specifications	6.3.0
2005-12	SP-30	SP-050845	017	1	Corrections to list of specifications	6.4.0
2006-03	SP-31	SP-060167	019		Corrections to list of specifications	6.5.0
2006-09	SP-33	SP-060613	020		Corrections to list of specifications	6.6.0
2006-12	SP-34	SP-060901	021		Correction to list of Specs	6.7.0
2007-03	SP-35	SP-070188	024		Correction to list of Specs	6.8.0
2007-06	SP-36	SP-070344	025		Correction to list of Specs	6.9.0
2007-09	SP-37	SP-070519	026		Upgrade to Rel-7	7.0.0
2007-12	SP-38	SP-070770	030		Correction to list of Specs	
			034		Update of informative text	7.1.0
2008-12	SP-42	SP-080722	035	1	Correction to list of Specs	7.2.0
2009-03	SP-43	SP-090033	038	1	List of Rel-8 specifications	8.0.0
2009-06	SP-44	SP-090382	039	1	Correction to list of specifications	8.1.0
2009-12	SP-46	SP090695	044	1	Correction to list of specifications	8.2.0

History

Document history		
V8.0.0	April 2009	Publication
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V8.2.0	January 2010	Publication