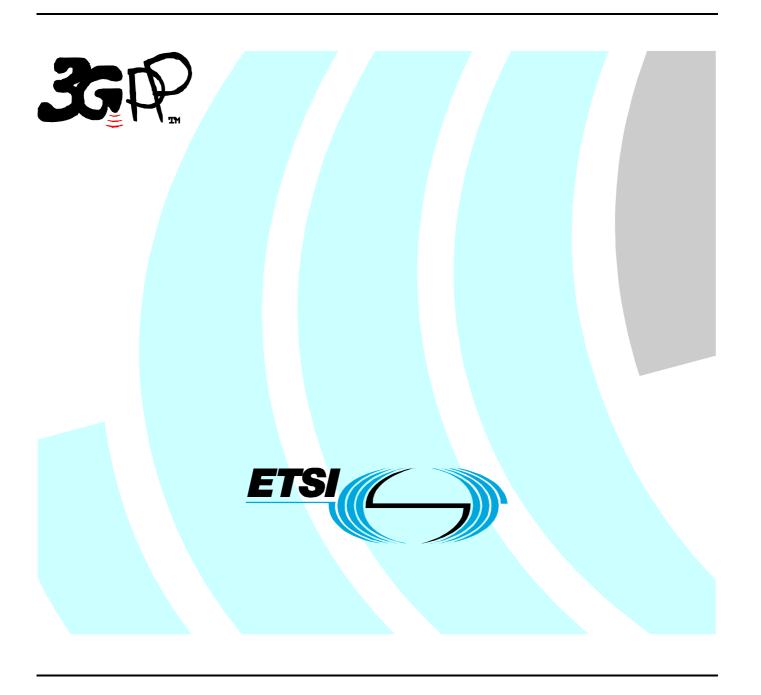# ETSI TS 121 101 V6.1.0 (2005-03)

Technical Specification

Universal Mobile Telecommunications System (UMTS); Technical Specifications and Technical Reports for a UTRAN-based 3GPP system (3GPP TS 21.101 version 6.1.0 Release 6)

Reference
RTS/TSGS-0021101v610

Keywords
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Foreword

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

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

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

Contents

Foreword

This Technical Specification (TS) 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;

2   presented to TSG for approval;

3   or greater indicates TSG approved document under change control.

y   the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.

z   the third digit is incremented when editorial only changes have been incorporated in the document.

1 Scope

The present document identifies the 3rd generation mobile system specifications for Release 5. The specifications and reports of 3GPP Release 5 have a major version number 5 (e.g. 5.x.y).

Most of the core Release 5 Technical Specifications and Technical Reports were functionally frozen at either the 15th Technical Specification Group meetings in March 2002 or the 16th in June 2002.

NOTE 1: Functionally frozen means that no further functionality/features may be incorporated into the set of specifications, and that only corrective Change Requests (CRs) are to be accepted and agreed.

NOTE 2: It can be expected that corrective CRs will be introduced into the Release 5 version 5.x.y specifications throughout 2002 and beyond.

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 procedures".

3 Abbreviations

For the purposes of the present document, the terms and definitions given in 3GPP TS 21.905 [1] apply.

4 General

Release 5 consists of 3G-only specifications and the GSM Core Network specifications developed for both GSM Release 5 and Release 5 of the 3rd Generation mobile system.

The present document identifies the 3G system set of specifications required to implement Release 5.

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

5   Specifications and Reports of 3G Release 5

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: Some of the algorithm specifications in the 35.-series are available only under licence.

NOTE 3: "Type" indicates Technical Specification (TS) or Technical Report (TR).

NOTE 4: For definition of "freezing" of specifications (last two colunms), see 3GPP TS 21.900 [2].

Type	Number	Title	WG prime	For public-ation?	freeze date	frozen
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	SP	Yes	2004-12-16	yes
TS	21.111	USIM and IC card requirements	C6	Yes	2004-12-10	yes
TR	21.801	Specification drafting rules	SP	No	2004-12-16	yes
TR	21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture	S2	No	2004-12-16	yes
TR	21.900	Technical Specification Group working methods	SP	Yes	2004-12-16	yes
TR	21.902	Evolution of 3GPP system	SP	Yes	2003-09-25	yes
TR	21.905	Vocabulary for 3GPP Specifications	S1	Yes	2003-12-18	yes
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	S1	Yes	2004-12-16	yes
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	S1	Yes	2004-12-16	yes
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1	Yes	2004-12-16	yes
TS	22.004	General on supplementary services	S1	Yes	2004-12-16	yes
TS	22.011	Service accessibility	S1	Yes	2004-12-16	yes
TS	22.016	International Mobile Equipment Identities (IMEI)	S1	Yes	2004-12-16	yes
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	S3	Yes	2004-12-16	yes
TS	22.024	Description of Charge Advice Information (CAI)	S1	Yes	2004-12-16	yes
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	S1	Yes	2004-12-16	yes
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	S3	Yes	2004-12-16	yes
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	S3	Yes	2004-12-16	yes
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	S1	Yes	2004-12-16	yes
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1	Yes	2004-12-16	yes
TS	22.041	Operator Determined Call Barring	S1	Yes	2004-12-16	yes
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	S1	Yes	2004-12-16	yes
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	S4	Yes	2004-12-16	yes
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	S1	Yes	2004-12-16	yes
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	S1	Yes	2004-12-16	yes
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	S1	Yes	2004-12-16	yes
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	S1	Yes	2004-12-16	yes
TS	22.071	Location Services (LCS); Stage 1	S1	Yes	2004-12-16	yes

Type	Number	Title	WG prime	For public-ation?	freeze date	frozen
TS	22.072	Call Deflection (CD); Stage 1	S1	Yes	2004-12-16	yes
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	S4	Yes	2004-12-16	yes
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1	Yes	2004-12-16	yes
TS	22.079	Support of optimal routeing; Stage 1	S1	Yes	2004-12-16	yes
TS	22.081	Line Identification supplementary services; Stage 1	S1	Yes	2004-12-16	yes
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	S1	Yes	2004-12-16	yes
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	S1	Yes	2004-12-16	yes
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	S1	Yes	2004-12-16	yes
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	S1	Yes	2004-12-16	yes
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	S1	Yes	2004-12-16	yes
TS	22.087	User-to-user signalling (UUS); Stage 1	S1	Yes	2004-12-16	yes
TS	22.088	Call Barring (CB) supplementary services; Stage 1	S1	Yes	2004-12-16	yes
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	S1	Yes	2004-12-16	yes
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	S1	Yes	2004-12-16	yes
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	S1	Yes	2004-12-16	yes
TS	22.094	Follow Me service description - Stage 1	S1	Yes	2004-12-16	yes
TS	22.096	Name identification supplementary services; Stage 1	S1	Yes	2004-12-16	yes
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	S1	Yes	2004-12-16	yes
TS	22.101	Service aspects; Service principles	S1	Yes	2004-12-16	yes
TS	22.105	Services and service capabilities	S1	Yes	2004-12-16	yes
TS	22.112	USIM toolkit interpreter; Stage 1	C6	Yes	2004-12-10	yes
TS	22.115	Service Aspects Charging and billing	S1	Yes	2004-12-16	yes
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	S1	Yes	2004-12-16	yes
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	S1	Yes	2004-12-16	yes
TS	22.135	Multicall; Service description; Stage 1	S1	Yes	2004-12-16	yes
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	S1	Yes	2004-12-16	yes
TS	22.141	Presence service; Stage 1	S1	Yes	2004-12-16	yes
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1	Yes	2004-12-16	yes
TS	22.174	Push service; Stage 1	S1	Yes	2004-12-16	yes
TS	22.177	Speech-enabled services; Stage 1	S1	Yes	2004-12-16	yes
TS	22.226	Global text telephony (GTT); Stage 1: Service description	S1	Yes	2004-12-16	yes
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1	S1	Yes	2004-12-16	yes
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	S1	Yes	2004-12-16	yes
TS	22.234	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	S1	Yes	2004-12-16	yes
TS	22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	S1	Yes	2004-12-16	yes
TS	22.242	Digital Rights Management (DRM); Stage 1	S1	Yes	2002-12-12	yes
TS	22.243	Speech recognition framework for automated voice services; Stage 1	S1	Yes	2004-12-16	yes
TS	22.246	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	S1	Yes	2004-12-16	yes
TS	22.250	IP Multimedia Subsystem (IMS) Group Management; Stage 1	S1	Yes	2004-12-16	yes
TS	22.340	IP Multimedia Subsystem (IMS) messaging; Stage 1	S1	Yes	2004-12-16	yes

Type	Number	Title	WG prime	For public- ation?	freeze date	frozen
TR	22.800	IP Multimedia Subsystem (IMS) subscription and access scenarios	S1	No	2004-12-16	yes
TR	22.857	Run-time independent framework feasibility study	S1	No	2004-12-10	yes
TR	22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	S1	Yes	2002-12-12	yes
TR	22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	S1	Yes	2004-12-16	yes
TR	22.944	Report on service requirements for UE functionality split	S1	Yes	2004-12-16	yes
TR	22.949	Study on a generalized privacy capability	S1	Yes	2004-12-16	yes
TR	22.950	Priority service feasibility study	S1	Yes	2004-12-16	yes
TR	22.951	Service aspects and requirements for network sharing	S1	Yes	2004-12-16	yes
TR	22.952	Priority service guide	S1	Yes	2004-12-16	yes
TR	22.977	Feasibility study for speech-enabled services	S1	Yes	2004-12-16	yes
TS	23.002	Network architecture	S2	Yes	2004-12-16	yes
TS	23.003	Numbering, addressing and identification	C4	Yes	2004-12-10	yes
TS	23.007	Restoration procedures	C4	Yes	2004-12-10	yes
TS	23.008	Organisation of subscriber data	C4	Yes	2004-12-10	yes
TS	23.009	Handover procedures	C1	Yes	2004-12-10	yes
TS	23.011	Technical realization of Supplementary Services	C4	Yes	2004-12-10	yes
TS	23.012	Location management procedures	C4	Yes	2004-12-10	yes
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	C1	Yes	2004-12-10	yes
TS	23.015	Technical realization of Operator Determined Barring (ODB)	C4	Yes	2004-12-10	yes
TS	23.016	Subscriber data management; Stage 2	C4	Yes	2004-12-10	yes
TS	23.018	Basic Call Handling; Technical realization	C4	Yes	2004-12-10	yes
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	S3	Yes	2004-12-16	yes
TS	23.032	Universal Geographical Area Description (GAD)	S2	Yes	2004-12-16	yes
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	C1	Yes	2004-12-10	yes
TS	23.035	Immediate Service Termination (IST); Stage 2	S3	Yes	2004-12-16	yes
TS	23.038	Alphabets and language-specific information	C1	Yes	2004-12-10	yes
TS	23.040	Technical realization of Short Message Service (SMS)	C1	Yes	2004-12-10	yes
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	C1	Yes	2004-12-10	yes
TS	23.042	Compression algorithm for SMS	T2	Yes	2004-12-10	yes
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	S4	Yes	2004-12-16	yes
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	S1	Yes	2004-12-10	yes
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	S2	Yes	2004-12-16	yes
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	C4	Yes	2004-12-10	yes
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	C4	Yes	2004-12-10	yes
TS	23.072	Call Deflection Supplementary Service; Stage 2	C4	Yes	2004-12-10	yes
TS	23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	C4	Yes	2004-12-10	yes
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	C4	Yes	2004-12-10	yes
TS	23.081	Line Identification supplementary services; Stage 2	C4	Yes	2004-12-10	yes
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	C4	Yes	2004-12-10	yes
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	C4	Yes	2004-12-10	yes
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	C4	ETYES	2004-12-10	yes
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	C4	Yes	2004-12-10	yes
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	C4	Yes	2004-12-10	yes

Type	Number	Title	WG prime	For public-ation?	freeze date	frozen
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	C4	Yes	2004-12-10	yes
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	C4	Yes	2004-12-10	yes
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	C4	Yes	2004-12-10	yes
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	C4	Yes	2004-12-10	yes
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	C4	Yes	2004-12-10	yes
TS	23.094	Follow Me Stage 2	C4	Yes	2004-12-10	yes
TS	23.096	Name Identification Supplementary Service; Stage 2	C4	Yes	2004-12-10	yes
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	C4	Yes	2004-12-10	yes
TS	23.101	General UMTS Architecture	S2	Yes	2004-12-16	yes
TS	23.107	Quality of Service (QoS) concept and architecture	S2	Yes	2004-12-16	yes
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	C1	Yes	2004-12-10	yes
TS	23.110	UMTS Access Stratum Services and Functions	S2	Yes	2004-12-16	yes
TS	23.116	Super-Charger technical realization; Stage 2	C4	Yes	2004-12-10	yes
TS	23.119	Gateway Location Register (GLR); Stage2	C4	Yes	2004-12-10	yes
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	C1	Yes	2004-12-10	yes
TS	23.125	Overall high level functionality and architecture impacts of flow based charging; Stage 2	S2	No	2004-12-16	yes
TS	23.135	Multicall supplementary service; Stage 2	C4	Yes	2004-12-10	yes
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	CP	Yes	2004-12-10	yes
TS	23.141	Presence service; Architecture and functional description; Stage 2	S2	Yes	2004-12-16	yes
TS	23.146	Technical realization of facsimile Group 3 service - non-transparent	C3	Yes	2004-12-10	yes
TS	23.153	Out of Band Transcoder Control; Stage 2	C4	Yes	2004-12-10	yes
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	C3	Yes	2004-12-10	yes
TS	23.174	Push service; stage 2	S2	Yes	2004-12-16	yes
TS	23.195	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities	S2	Yes	2004-12-16	yes
TS	23.198	Open Service Access (OSA); Stage 2	C5	Yes	2004-12-10	yes
TS	23.202	Circuit switched data bearer services	C3	Yes	2004-12-10	yes
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	C4	Yes	2004-12-10	yes
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	S2	Yes	2004-12-16	yes
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	C1	Yes	2004-12-10	yes
TS	23.221	Architectural requirements	S2	Yes	2004-12-16	yes
TS	23.226	Global text telephony (GTT); Stage 2: Architecture	S2	Yes	2004-12-16	yes
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	S2	Yes	2004-12-16	yes
TS	23.234	3GPP system to Wireles Local Area Network (WLAN) interworking; System description	S2	Yes	2004-12-16	yes
TS	23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2	Yes	2004-12-16	yes
TS	23.240	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	S2	Yes	2004-12-16	yes
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	S2	Yes	2004-12-16	yes
TS	23.251	Network sharing; Architecture and functional description	S2	Yes	2004-12-16	yes
TS	23.271	Functional stage 2 description of Location Services (LCS)	S2	Yes	2004-12-16	yes
TS	23.278	customized Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	C4	Yes	2004-12-10	yes
TR	23.801	Potential mechanisms for Circuit Switched (CS) domain video	S2	No	2004-12-16	yes

Type	Number	Title	WG prime	For public-ation?	freeze date	frozen
		and voice service improvements				
TR	23.835	Study into applicability of Galileo in Location Services (LCS)	S2	No	2004-12-16	yes
TR	23.841	Presence service architecture	S2	No	2004-12-16	yes
TR	23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	S2	No	2004-12-16	yes
TS	23.851	Network sharing; Architecture and functional description	S2	No	2004-12-16	yes
TR	23.864	Commonality and interoperability between IP Multimedia System (IMS) core networks	S2	No	2004-12-16	yes
TR	23.867	Internet Protocol (IP) based IP Multimedia Subsystem (IMS) emergency sessions	S2	No	2004-12-16	yes
TR	23.877	Architectural aspects of speech-enabled services	S2	No	2004-12-16	yes
TR	23.895	Provision of UE specific behaviour information to network entities	S2	No	2004-12-16	yes
TR	23.899	Combining Circuit Switched (CS) bearers with IP Multimeida Subsystem (IMS)	S2	No	2004-12-16	yes
TR	23.903	Redial solution for voice-video switching	S2	Yes	2004-12-16	yes
TR	23.934	3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition	S2	Yes	2004-12-16	yes
TR	23.941	3GPP Generic User Profile (GUP); Stage 2; Data Description Method (DDM)	C4	Yes	2004-12-10	yes
TR	23.976	Push architecture	S2	Yes	2004-12-16	yes
TR	23.977	Bandwidth And Resource Savings (BARS) and speech enhancements for Circuit Switched (CS) networks	S2	Yes	2004-12-16	yes
TR	23.979	3GPP enablers for Open Mobile Alliance (OMA) Push-to-talk over Cellular (PoC) services; Stage 2	S2	Yes	2004-12-16	yes
TR	23.981	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations	S2	Yes	2004-12-16	yes
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	C1	Yes	2004-12-10	yes
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	C1	Yes	2004-12-10	yes
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	C1	Yes	2004-12-10	yes
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	C4	Yes	2004-12-10	yes
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	C1	Yes	2004-12-10	yes
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	C3	Yes	2004-12-10	yes
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	C4	Yes	2004-12-10	yes
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	C4	Yes	2004-12-10	yes
TS	24.072	Call Deflection Supplementary Service; Stage 3	C4	Yes	2004-12-10	yes
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	C4	Yes	2004-12-10	yes
TS	24.081	Line Identification Supplementary Service; Stage 3	C4	Yes	2004-12-10	yes
TS	24.082	Call Forwarding supplementary service; Stage 3	C4	Yes	2004-12-10	yes
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	C4	Yes	2004-12-10	yes
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	C4	Yes	2004-12-10	yes
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	C4	Yes	2004-12-10	yes
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	C4	Yes	2004-12-10	yes
TS	24.087	User-to-User Signalling (UUS); Stage 3	C4	ΕYes	2004-12-10	yes
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	C4	Yes	2004-12-10	yes
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	C4	Yes	2004-12-10	yes

Type	Number	Title	WG prime	For publication?	freeze date	frozen
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	C4	Yes	2004-12-10	yes
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	C4	Yes	2004-12-10	yes
TS	24.096	Name Identification Supplementary Service; Stage 3	C4	Yes	2004-12-10	yes
TS	24.109	Bootstrapping interface (Ub) and network application function interface (Ua); Protocol details	C1	Yes	2004-12-10	yes
TS	24.135	Multicall supplementary service; Stage 3	C4	Yes	2004-12-10	yes
TS	24.141	Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	C1	Yes	2004-12-10	yes
TS	24.147	Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	C1	Yes	2004-12-10	yes
TS	24.167	3GPP IMS Management Object (MO); Stage 3	C1	Yes	2004-12-10	yes
TS	24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	C1	Yes	2004-12-10	yes
TS	24.234	3GPP system to Wireless Local Area Network (WLAN) interworking; User Equipment (UE) to network protocols; Stage 3	C1	Yes	2004-12-10	yes
TS	24.241	3GPP Generic User Profile (GUP) Common objects; Stage 3	C4	Yes	2004-12-10	yes
TS	24.247	Messaging using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	C1	Yes	2004-12-10	yes
TR	24.841	Presence service based on Session Initiation Protocol (SIP); Functional models, information flows and protocol details	C1	No	2004-12-10	yes
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	R4	Yes	2004-12-10	yes
TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	R4	Yes	2004-12-10	yes
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	R4	Yes	2004-12-10	yes
TS	25.105	Base Station (BS) radio transmission and reception (TDD)	R4	Yes	2004-12-10	yes
TS	25.106	UTRA repeater radio transmission and reception	R4	Yes	2004-12-10	yes
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	R4	Yes	2004-12-10	yes
TS	25.123	Requirements for support of radio resource management (TDD)	R4	Yes	2004-12-10	yes
TS	25.133	Requirements for support of radio resource management (FDD)	R4	Yes	2004-12-10	yes
TS	25.141	Base Station (BS) conformance testing (FDD)	R4	Yes	2004-12-10	yes
TS	25.142	Base Station (BS) conformance testing (TDD)	R4	Yes	2004-12-10	yes
TS	25.143	UTRA repeater conformance testing	R4	Yes	2004-12-10	yes
TS	25.171	Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)	R4	Yes	2004-12-10	yes
TS	25.201	Physical layer - general description	R1	Yes	2004-12-10	yes
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	R1	Yes	2004-12-10	yes
TS	25.212	Multiplexing and channel coding (FDD)	R1	Yes	2004-12-10	yes
TS	25.213	Spreading and modulation (FDD)	R1	Yes	2004-12-10	yes
TS	25.214	Physical layer procedures (FDD)	R1	Yes	2004-12-10	yes
TS	25.215	Physical layer; Measurements (FDD)	R1	Yes	2004-12-10	yes
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	R1	Yes	2004-12-10	yes
TS	25.222	Multiplexing and channel coding (TDD)	R1	Yes	2004-12-10	yes
TS	25.223	Spreading and modulation (TDD)	R1	Yes	2004-12-10	yes
TS	25.224	Physical layer procedures (TDD)	R1	Yes	2004-12-10	yes
TS	25.225	Physical layer; Measurements (TDD)	R1	Yes	2004-12-10	yes
TS	25.301	Radio interface protocol architecture	R2	ETSI	2004-12-10	yes
TS	25.302	Services provided by the physical layer	R2	Yes	2004-12-10	yes
TS	25.303	Interlayer procedures in Connected Mode	R2	Yes	2004-12-10	yes
TS	25.304	User Equipment (UE) procedures in idle mode and procedures	R2	Yes	2004-12-10	yes

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		for cell reselection in connected mode				
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2	Yes	2004-12-10	yes
TS	25.306	UE Radio Access capabilities definition	R2	Yes	2004-12-10	yes
TS	25.307	Requirements on User Equipments (Ues) supporting a release-independent frequency band	R2	Yes	2004-12-10	yes
TS	25.308	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	R2	Yes	2004-12-10	yes
TS	25.309	FDD enhanced uplink; Overall description; Stage 2	R2	Yes	2004-12-10	yes
TS	25.321	Medium Access Control (MAC) protocol specification	R2	Yes	2004-12-10	yes
TS	25.322	Radio Link Control (RLC) protocol specification	R2	Yes	2004-12-10	yes
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	R2	Yes	2004-12-10	yes
TS	25.324	Broadcast/Multicast Control (BMC)	R2	Yes	2004-12-10	yes
TS	25.331	Radio Resource Control (RRC) protocol specification	R2	Yes	2004-12-10	yes
TS	25.346	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN); Stage 2	R2	Yes	2004-12-10	yes
TS	25.401	UTRAN overall description	R3	Yes	2004-12-10	yes
TS	25.402	Synchronisation in UTRAN Stage 2	R3	Yes	2004-12-10	yes
TS	25.409	Enhanced uplink UTRA FDD; Stage 3	R3	Yes	2004-12-10	yes
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	R3	Yes	2004-12-10	yes
TS	25.411	UTRAN Iu interface layer 1	R3	Yes	2004-12-10	yes
TS	25.412	UTRAN Iu interface signalling transport	R3	Yes	2004-12-10	yes
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3	Yes	2004-12-10	yes
TS	25.414	UTRAN Iu interface data transport & transport signalling	R3	Yes	2004-12-10	yes
TS	25.415	UTRAN Iu interface user plane protocols	R3	Yes	2004-12-10	yes
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3	Yes	2004-12-10	yes
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	R3	Yes	2004-12-10	yes
TS	25.421	UTRAN Iur interface Layer 1	R3	Yes	2004-12-10	yes
TS	25.422	UTRAN Iur interface signalling transport	R3	Yes	2004-12-10	yes
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3	Yes	2004-12-10	yes
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3	Yes	2004-12-10	yes
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	R3	Yes	2004-12-10	yes
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3	Yes	2004-12-10	yes
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3	Yes	2004-12-10	yes
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	R3	Yes	2004-12-10	yes
TS	25.431	UTRAN Iub interface Layer 1	R3	Yes	2004-12-10	yes
TS	25.432	UTRAN Iub interface: signalling transport	R3	Yes	2004-12-10	yes
TS	25.433	UTRAN Iub interface NBAP signalling	R3	Yes	2004-12-10	yes
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3	Yes	2004-12-10	yes
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	R3	Yes	2004-12-10	yes
TS	25.442	UTRAN implementation-specific O&M transport	R3	Yes	2004-12-10	yes
TS	25.450	UTRAN Iupc interface general aspects and principles	R3	Yes	2004-12-10	yes
TS	25.451	UTRAN Iupc interface layer 1	R3	Yes	2004-12-10	yes
TS	25.452	UTRAN Iupc interface: signalling transport	R3	Yes	2004-12-10	yes

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TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3	Yes	2004-12-10	yes
TS	25.460	UTRAN Iuant interface: General aspects and principles	R3	Yes	2004-12-10	yes
TS	25.461	UTRAN Iuant interface: Layer 1	R3	Yes	2004-12-10	yes
TS	25.462	UTRAN Iuant interface: Signalling transport	R3	Yes	2004-12-10	yes
TS	25.463	UTRAN Iuant interface: Remote Electrical Tilting (RET) antennas Application Part (RETAP) signalling	R3	Yes	2004-12-10	yes
TR	25.801	Feasibility study for improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)	R3	No	2004-12-10	yes
TR	25.803	S-CCPCH performance for MBMS	R1	Yes	2004-12-10	yes
TR	25.804	Feasibility study on uplink enhancements for UTRA TDD	R1	No	2004-12-10	yes
TR	25.805	DS-CDMA introduction in the 800 MHz band	R4	No	2004-12-10	yes
TR	25.806	UMTS 1700/2100MHz Work Item	R4	No	2004-12-10	yes
TR	25.807	Low output powers for general purpose Frequency Division Duplex (FDD) Base Station (BS)	R3	No	2004-12-10	yes
TR	25.808	FDD enhanced uplink; Physical layer aspects	R1	No	2004-12-10	yes
TR	25.852	Iu enhancements for IP Multimedia (IMS) support in UTRAN	R3	No	2004-12-10	yes
TR	25.862	RAB support for IMS	R2	Yes	2004-12-10	yes
TR	25.887	Beamforming enhancements	R1	No	2004-12-10	yes
TR	25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD	R1	No	2004-12-10	yes
TR	25.889	Feasibility study considering the viable deployment of UTRA in additional and diverse spectrum arrangements	R4	No	2004-12-10	yes
TR	25.891	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS post-Rel-5	R3	No	2004-12-10	yes
TR	25.892	Feasibility study for Orthogonal Frequency Division Multiplexing (OFDM) for UTRAN enhancement	R1	No	2004-12-10	yes
TR	25.894	Enhanced UE positioning using software blanking	R2	No	2004-12-10	yes
TR	25.895	Analysis of higher chip rates for UTRA TDD evolution	R1	No	2004-12-10	yes
TR	25.896	Feasibility study for enhanced uplink for UTRA FDD	R1	No	2004-12-10	yes
TR	25.898	Power control enhancements for UTRA	R1	No	2004-12-10	yes
TR	25.899	High Speed Downlink Packet Access (HSDPA) enhancements	R1	No	2004-12-10	yes
TR	25.901	Network Assisted Cell Change (NACC) from UTRAN to GERAN; Network side aspects	R3	Yes	2004-12-10	yes
TR	25.921	Guidelines and principles for protocol description and error handling	R2	Yes	2004-12-10	yes
TR	25.922	Radio resource management strategies	R2	Yes	2004-12-10	yes
TR	25.931	UTRAN Functions, examples on signalling procedures	R3	Yes	2004-12-10	yes
TR	25.942	Radio Frequency (RF) system scenarios	R4	Yes	2004-12-10	yes
TR	25.943	Deployment aspects	R4	Yes	2004-12-10	yes
TR	25.951	Base Station (BS) classification (FDD)	R4	Yes	2004-12-10	yes
TR	25.956	Universal Terrestrial Radio Access (UTRA) repeater planning guidelines and system analysis	R4	Yes	2004-12-10	yes
TR	25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements	RP	Yes	2004-12-10	yes
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	R2	Yes	2004-12-10	yes
TR	25.994	Measures employed by the UMTS Radio Access Network (UTRAN) to overcome early User Equipment (UE) implementation faults	R2	Yes	2004-12-10	yes
TR	25.995	Measures employed by the UMTS Radio Access Network (RAN) to cater for legacy User Equipment (UE) which conforms	R2	Yes	2004-12-10	yes

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		to superseded versions of the RAN interface specification				
TR	25.996	Spacial channel model for Multiple Input Multiple Output (MIMO) simulations	R1	Yes	2004-12-10	yes
TS	26.071	AMR speech Codec; General description	S4	Yes	2004-12-16	yes
TS	26.073	AMR speech Codec; C-source code	S4	Yes	2004-12-16	yes
TS	26.074	AMR speech Codec; Test sequences	S4	Yes	2004-12-16	yes
TS	26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	S4	Yes	2004-12-16	yes
TS	26.090	AMR speech Codec; Transcoding Functions	S4	Yes	2004-12-16	yes
TS	26.091	AMR speech Codec; Error concealment of lost frames	S4	Yes	2004-12-16	yes
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	S4	Yes	2004-12-16	yes
TS	26.093	AMR speech Codec; Source Controlled Rate operation	S4	Yes	2004-12-16	yes
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	S4	Yes	2004-12-16	yes
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	S4	Yes	2004-12-16	yes
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	S4	Yes	2004-12-16	yes
TS	26.103	Speech codec list for GSM and UMTS	S4	Yes	2004-12-16	yes
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	S4	Yes	2004-12-16	yes
TS	26.110	Codec for circuit switched multimedia telephony service; General description	S4	Yes	2004-12-16	yes
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	S4	Yes	2004-12-16	yes
TS	26.115	Echo control for speech and multimedia services	S4	Yes	2004-12-16	yes
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	S4	Yes	2004-12-16	yes
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	S4	Yes	2004-12-16	yes
TS	26.140	Multimedia Messaging Service (MMS); Media formats and codes	S4	Yes	2004-12-16	yes
TS	26.141	IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs	S4	Yes	2004-12-16	yes
TS	26.171	Speech codec speech processing functions; AdaptiveMulti-Rate - Wideband (AMR-WB) speech codec; General description	S4	Yes	2004-12-16	yes
TS	26.173	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec	S4	Yes	2004-12-16	yes
TS	26.174	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec test sequences	S4	Yes	2004-12-16	yes
TS	26.177	Speech Enabled Services (SES); Distributed Speech Recognition (DSR) extended advanced front-end test sequences	S4	Yes	2004-12-16	yes
TS	26.190	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Transcoding functions	S4	Yes	2004-12-16	yes
TS	26.191	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Error concealment of erroneous or lost frames	S4	Yes	2004-12-16	yes
TS	26.192	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Comfort noise aspects	S4	Yes	2004-12-16	yes
TS	26.193	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Source controlled rate operation	S4	Yes	2004-12-16	yes

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TS	26.194	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Voice Activity Detector (VAD)	S4	Yes	2004-12-16	yes
TS	26.201	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Frame structure	S4	Yes	2004-12-16	yes
TS	26.202	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Interface to Iu, Uu and Nb	S4	Yes	2004-12-16	yes
TS	26.204	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; ANSI-C code	S4	Yes	2004-12-16	yes
TS	26.226	Cellular text telephone modem; General description	S4	Yes	2004-12-16	yes
TS	26.230	Cellular text telephone modem; Transmitter bit exact C-code	S4	Yes	2004-12-16	yes
TS	26.231	Cellular text telephone modem; Minimum performance requirements	S4	Yes	2004-12-16	yes
TS	26.233	End-to-end transparent streaming service; General description	S4	Yes	2004-12-16	yes
TS	26.234	Transparent end-to-end Packet-switched Streaming Service (PSS); Protocols and codecs	S4	Yes	2004-12-16	yes
TS	26.235	Packet switched conversational multimedia applications; Default codecs	S4	Yes	2004-12-16	yes
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	S4	Yes	2004-12-16	yes
TS	26.243	ANSI C code for the fixed-point distributed speech recognition extended advanced front-end	S4	Yes	2004-12-16	yes
TS	26.244	Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP)	S4	Yes	2004-12-16	yes
TS	26.245	Transparent end-to-end Packet switched Streaming Service (PSS); Timed text format	S4	Yes	2004-12-16	yes
TS	26.246	Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile	S4	Yes	2004-12-16	yes
TS	26.273	ANSI-C code for the fixed-point Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec	S4	Yes	2004-12-16	yes
TS	26.274	Speech codec speech processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec; Conformance testing	S4	Yes		
TS	26.290	Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions	S4	Yes	2004-12-16	yes
TS	26.304	Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Floating-point ANSI-C code	S4	Yes	2004-12-16	yes
TS	26.346	Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs	S4	Yes	2004-12-16	yes
TS	26.401	General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description	S4	Yes	2004-12-16	yes
TS	26.402	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools	S4	Yes	2004-12-16	yes
TS	26.403	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Advanced Audio Coding (AAC) part	S4	Yes	2004-12-16	yes
TS	26.404	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Spectral Band Replication (SBR) part	S4	Yes	2004-12-16	yes
TS	26.405	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Parametric stereo part	S4	Yes	2004-12-16	yes
TS	26.406	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Conformance testing	S4	Yes	2004-12-16	yes
TS	26.410	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Floating-point ANSI-C code	S4	Yes	2004-12-16	yes

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TS	26.411	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Fixed-point ANSI-C code	S4	Yes	2004-12-16	yes
TS	26.412	General audio codec audio processing functions; Source code for 3GP file format	S4	Yes		
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	S4	Yes	2004-12-16	yes
TR	26.935	Packet Switched (PS) conversational multimedia applications; Performance characterization of default codecs	S4	Yes	2004-12-16	yes
TR	26.937	Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model	S4	Yes	2004-12-16	yes
TR	26.943	Recognition performance evaluations of codecs for Speech Enabled Services (SES)	S4	Yes	2004-12-16	yes
TR	26.946	Multimedia Broadcast/Multicast Service (MBMS) user service guidelines	S4	Yes	2004-12-16	yes
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	S4	Yes	2004-12-16	yes
TR	26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	S4	Yes	2004-12-16	yes
TR	26.978	Results of the Adaptive Multi-Rate (AMR) noise suppression selection phase	S4	Yes	2004-12-16	yes
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	C3	Yes	2004-12-10	yes
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	C3	Yes	2004-12-10	yes
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	C3	Yes	2004-12-10	yes
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	C1	Yes	2004-12-10	yes
TS	27.007	AT command set for User Equipment (UE)	C1	Yes	2004-12-10	yes
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	C3	Yes	2004-12-10	yes
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	C3	Yes	2004-12-10	yes
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4	Yes	2004-12-16	yes
TS	29.002	Mobile Application Part (MAP) specification	C4	Yes	2004-12-10	yes
TS	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	2004-12-10	yes
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	C4	Yes	2004-12-10	yes
TS	29.011	Signalling Interworking for Supplementary Services	C4	Yes	2004-12-10	yes
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	C4	Yes	2004-12-10	yes
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	C1	Yes	2004-12-10	yes
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	C1	Yes	2004-12-10	yes
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	C4	Yes	2004-12-10	yes
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks	C3	Yes	2004-12-10	yes

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		(PDN)				
TS	29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	C4	Yes	2004-12-10	yes
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3	Yes	2004-12-10	yes
TS	29.109	Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Stage 3	C4	Yes	2004-12-10	yes
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	C4	Yes	2004-12-10	yes
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	C4	Yes	2004-12-10	yes
TS	29.140	Multimedia Messaging Service (MMS); MM10 interface based on Diameter protocol; Stage 3	C4	Yes	2004-12-10	yes
TS	29.161	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services with Wireless Local Area Network (WLAN) access and Packet data Networks (PDNs)	C3	Yes	2004-12-10	yes
TS	29.162	Interworking between the IM CN subsystem and IP networks	C3	Yes	2004-12-10	yes
TS	29.163	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	C3	Yes	2004-12-10	yes
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	C5	Yes	2004-12-10	yes
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data definitions	C5	Yes	2004-12-10	yes
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	C5	Yes	2004-12-10	yes
TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Call control common definitions	C5	Yes	2004-12-10	yes
TS	29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control Service Capability Feature (SCF)	C5	Yes	2004-12-10	yes
TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control Service Capability Feature (SCF)	C5	Yes	2004-12-10	yes
TS	29.198-04-4	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)	C5	Yes	2004-12-10	yes
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: User interaction Service Capability Feature (SCF)	C5	Yes	2004-12-10	yes
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility Service Capability Feature (SCF)	C5	Yes	2004-12-10	yes
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities Service Capability Feature (SCF)	C5	Yes	2004-12-10	yes
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control Service Capability Feature (SCF)	C5	Yes	2004-12-10	yes
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management Service Capability Feature (SCF)	C5	Yes	2004-12-10	yes
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging Service Capability Feature (SCF)	C5	Yes	2004-12-10	yes
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management Service Capability Feature (SCF)	C5	Yes	2004-12-10	yes

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TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM) Service Capability Feature (SCF)	C5	Yes	2004-12-10	yes
TS	29.198-15	Open Service Access (OSA) Application Programming Interface (API); Part 15: Multi-media Messaging (MM) Service Capability Feature (SCF)	C5	Yes	2004-12-10	yes
TS	29.199-01	Open Service Access (OSA); Parlay X web services; Part 1: Common	C5	Yes	2004-12-10	yes
TS	29.199-02	Open Service Access (OSA); Parlay X web services; Part 2: Third party call	C5	Yes	2004-12-10	yes
TS	29.199-03	Open Service Access (OSA); Parlay X web services; Part 3: Call notification	C5	Yes	2004-12-10	yes
TS	29.199-04	Open Service Access (OSA); Parlay X web services; Part 4: Short messaging	C5	Yes	2004-12-10	yes
TS	29.199-05	Open Service Access (OSA); Parlay X web services; Part 5: Multimedia messaging	C5	Yes	2004-12-10	yes
TS	29.199-06	Open Service Access (OSA); Parlay X web services; Part 6: Payment	C5	Yes	2004-12-10	yes
TS	29.199-07	Open Service Access (OSA); Parlay X web services; Part 7: Account management	C5	Yes	2004-12-10	yes
TS	29.199-08	Open Service Access (OSA); Parlay X web services; Part 8: User status	C5	Yes	2004-12-10	yes
TS	29.199-09	Open Service Access (OSA); Parlay X web services; Part 9: Terminal location	C5	Yes	2004-12-10	yes
TS	29.199-10	Open Service Access (OSA); Parlay X web services; Part 10: Call handling	C5	Yes	2004-12-10	yes
TS	29.199-11	Open Service Access (OSA); Parlay X web services; Part 11: Audio call	C5	Yes	2004-12-10	yes
TS	29.199-12	Open Service Access (OSA); Parlay X web services; Part 12: Multimedia conference	C5	Yes	2004-12-10	yes
TS	29.199-13	Open Service Access (OSA); Parlay X web services; Part 13: Address list management	C5	Yes	2004-12-10	yes
TS	29.199-14	Open Service Access (OSA); Parlay X web services; Part 14: Presence	C5	Yes	2004-12-10	yes
TS	29.200	Signalling System No. 7; Mobile Application Part (MAP); Security signalling flows for the Ze interface	C4	Yes	2004-12-10	yes
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	C4	Yes	2004-12-10	yes
TS	29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	C4	Yes	2004-12-10	yes
TS	29.207	Policy control over Go interface	C3	Yes	2004-12-10	yes
TS	29.208	End to end Quality of Service (QoS) signalling flows	C3	Yes	2004-12-10	yes
TS	29.209	Policy control over Gq interface	C3	Yes	2004-12-10	yes
TS	29.210	Charging rule provisioning over Gx interface	C3	Yes	2004-12-10	yes
TS	29.211	Rx interface for Flow Based Charging (FBC)	C3	Yes	2004-12-10	yes
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	C4	Yes	2004-12-10	yes
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	C4	Yes	2004-12-10	yes
TS	29.230	Diameter applications; 3GPP specific codes and identifiers	C4	Yes	2004-12-10	yes
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	C4	Yes	2004-12-10	yes
TS	29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3	C4	Yes	2004-12-10	yes
TS	29.240	Generic User Profile (GUP); Stage 3; Network	C4	Yes	2005-03-11	yes
TS	29.278	customized Applications for Mobile network Enhanced Logic	C4	Yes	2004-12-10	yes

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		(CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)				
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	C4	Yes	2004-12-10	yes
TS	29.329	Sh interface based on the Diameter protocol	C4	Yes	2004-12-10	yes
TS	29.332	Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mn interface; Stage 3	C4	Yes	2004-12-10	yes
TS	29.333	Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3	C4	Yes	2004-12-10	yes
TS	29.414	Core network Nb data transport and transport signalling	C3	Yes	2004-12-10	yes
TS	29.415	Core network Nb interface user plane protocols	C3	Yes	2004-12-10	yes
TR	29.846	Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description	C1	No	2004-12-10	yes
TR	29.847	Conferencing based on SIP, SDP, and other protocols; Functional models, information flows and protocol details	C1	No	2004-12-10	yes
TR	29.903	Feasibility Study on SS7 signalling transport in the core network with SCCP-User Adaptation (SUA) layer	C4	Yes	2004-12-10	yes
TR	29.962	Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage	C3	Yes	2004-12-10	yes
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	C1	Yes	2004-12-10	yes
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General issues on Application Programme Interface (API) mapping	C5	Yes	2004-12-10	yes
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	C5	Yes	2004-12-10	yes
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control ISC	C5	Yes	2004-12-10	yes
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	C5	Yes	2004-12-10	yes
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	C5	Yes	2004-12-10	yes
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	C5	Yes	2004-12-10	yes
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	C5	Yes	2004-12-10	yes
TR	30.531	Work Plan and Study Items - RAN WG3	R3	No	2004-12-10	yes
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP) in Phase 2+	C4	No	2004-12-10	yes
TS	31.101	UICC-terminal interface; Physical and logical characteristics	C6	Yes	2004-12-10	yes
TS	31.102	Characteristics of the USIM application	C6	Yes	2004-12-10	yes
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	C6	Yes	2004-12-10	yes
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	C6	Yes	2004-12-10	yes
TS	31.112	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter architecture description; Stage 2	C6	Yes	2004-12-10	yes
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	C6	Yes	2004-12-10	yes

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TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	C6	Yes	2004-12-10	yes
TS	31.115	Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	C6	Yes	2004-12-10	yes
TS	31.116	Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	C6	Yes	2004-12-10	yes
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	C6	Yes	2004-12-10	yes
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	C6	Yes		
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	C6	Yes		
TS	31.124	Universal Subscriber Interface Module Application Toolkit (USAT) conformance test specification	C6	Yes	2004-12-10	yes
TS	31.130	(U)SIM Application Programming Interface API; (U)SIM API for Java Card(TM)	C6	Yes	2004-12-10	yes
TS	31.131	C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API	C6	Yes	2004-12-10	yes
TS	31.213	Test Specification for (U)SIM API for Java(TM) Card	C6	Yes	2004-12-10	yes
TR	31.900	SIM/USIM internal and external interworking aspects	C6	Yes	2004-12-10	yes
TR	31.919	2G/3G Java Card(TM) Application Programming Interface (API) based applet interworking	C6	Yes	2004-12-10	yes
TS	32.101	Telecommunication management; Principles and high level requirements	S5	Yes	2004-12-16	yes
TS	32.102	Telecommunication management; Architecture	S5	Yes	2004-12-16	yes
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	S5	Yes	2004-12-16	yes
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.111-5	Telecommunication management; Fault Management; Part 5: Alarm Integration Reference Point (IRP): eXtensible Markup Language (XML) definitions	S5	Yes	2004-12-16	yes
TS	32.140	Telecommunication management; Subscription Management (SuM) requirements	S5	Yes	2004-12-16	yes
TS	32.141	Telecommunication management; Subscription Management (SuM) architecture	S5	Yes	2004-12-16	yes
TS	32.150	Telecommunication management; Integration Reference Point (IRP) Concept and definitions	S5	Yes	2004-12-16	yes
TS	32.151	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template	S5	Yes	2004-12-16	yes
TS	32.152	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire	S5	Yes	2004-12-16	yes
TS	32.171	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.172	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.173	Telecommunication management; Subscription Management	S5	Yes	2004-12-16	yes

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		(SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)				
TS	32.175	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) definition	S5	Yes	2004-12-16	yes
TS	32.240	Telecommunication management; Charging management; Charging architecture and principles	S5	Yes	2004-12-16	yes
TS	32.250	Telecommunication management; Charging management; Circuit Switched (CS) domain charging	S5	Yes	2004-12-16	yes
TS	32.251	Telecommunication management; Charging management; Packet Switched (PS) domain charging	S5	No	2004-12-16	yes
TS	32.252	Telecommunication management; Charging management; Wireless Local Area Network (WLAN) charging	S5	Yes	2004-12-16	yes
TS	32.260	Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging	S5	Yes	2004-12-16	yes
TS	32.270	Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging	S5	Yes	2004-12-16	yes
TS	32.271	Telecommunication management; Charging management; Location Services (LCS) charging	S5	Yes	2004-12-16	yes
TS	32.272	Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging	S5	Yes	2004-12-16	yes
TS	32.273	Telecommunication management; Charging management; Multimedia Broadcast and Multicast Service (MBMS) charging	S5	Yes	2004-12-16	yes
TS	32.295	Telecommunication management; Charging management; Charging Data Record (CDR) transfer	S5	Yes	2004-12-16	yes
TS	32.296	Telecommunication management; Charging management; Online Charging System (OCS): Applications and interfaces	S5	Yes	2004-12-16	yes
TS	32.297	Telecommunication management; Charging management; Charging Data Record (CDR) file format and transfer	S5	Yes	2004-12-16	yes
TS	32.298	Telecommunication management; Charging management; Charging Data Record (CDR) parameter description	S5	Yes	2004-12-16	yes
TS	32.299	Telecommunication management; Charging management; Diameter charging applications	S5	Yes	2004-12-16	yes
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	S5	Yes	2004-12-16	yes
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	S5	Yes	2004-12-16	yes
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.313	Telecommunication management; Generic Integration Reference Point (IRP) management; Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.314	Telecommunication management; Generic Integration Reference Point (IRP) management; Common Management	S5	Yes	2004-12-16	yes

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		Information Protocol (CMIP) Solution Set (SS)				
TS	32.321	Telecommunication management; Test management Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.322	Telecommunication management; Test management Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.323	Telecommunication management; Test management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.324	Telecommunication management; Test management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.331	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.332	Telecommunication management; Notification Log (NL) (NL) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.333	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.334	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.335	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP): eXtensible Markup Language (XML) definitions	S5	Yes	2004-12-16	yes
TS	32.341	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.342	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.343	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.344	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.351	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.352	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.353	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.354	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.361	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.362	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.363	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.364	Telecommunication Management; Entry Point (EP) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.371	Telecommunication management; Security Management concept and requirements	S5	Yes	2004-12-16	yes
TS	32.372	Telecommunication management; Security Management	S5	Yes	2004-12-16	yes

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		Integration Reference Point (IRP): Information Service (IS)				
TS	32.373	Telecommunication management; Security Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.374	Telecommunication management; Security Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	S5	Yes	2004-12-16	yes
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5	Yes	2004-12-16	yes
TS	32.411	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.412	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.413	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.414	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.421	Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements	S5	Yes	2004-12-16	yes
TS	32.422	Telecommunication management; Subscriber and equipment trace; Trace control and configuration management	S5	Yes	2004-12-16	yes
TS	32.423	Telecommunication management; Subscriber and equipment trace; Trace data definition and management	S5	Yes	2004-12-16	yes
TS	32.432	Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.435	Telecommunications management; Performance measurement: eXtensible Markup Language (XML) file format definition	S5	Yes	2004-12-16	yes
TS	32.436	Telecommunications management; Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition	S5	Yes	2004-12-16	yes
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	S5	Yes	2004-12-16	yes
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	S5	Yes	2004-12-16	yes
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	S5	Yes	2004-12-16	yes
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2004-12-16	yes

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TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	S5	Yes	2004-12-16	yes
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements	S5	Yes	2004-12-16	yes
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5	Yes	2004-12-16	yes
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.625	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes	2004-12-16	yes
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5	Yes	2004-12-16	yes
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes	2004-12-16	yes
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	S5	Yes	2004-12-16	yes
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5	Yes	2004-12-16	yes
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes

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TS	32.645	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes	2004-12-16	yes
TS	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	2004-12-16	yes
TS	32.661	Telecommunication management; Configuration Management (CM); Kernel CM; Requirements	S5	Yes	2004-12-16	yes
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	S5	Yes	2004-12-16	yes
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.675	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes	2004-12-16	yes
TS	32.681	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.682	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.683	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.684	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.690	Telecommunication management; Inventory Management (IM): Requirements	S5	Yes	2004-12-16	yes
TS	32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.692	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5	Yes	2004-12-16	yes
TS	32.695	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Bulk Configuration Management (CM) eXtensible Markup Language (XML) file format definition	S5	Yes	2004-12-16	yes

Type	Number	Title	WG prime	For public-ation?	freeze date	frozen
TS	32.711	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.712	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.713	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.714	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.715	Telecommunication management; Configuration Management (CM) Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes	2004-12-16	yes
TS	32.741	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Requirements	S5	Yes	2004-12-16	yes
TS	32.742	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2004-12-16	yes
TS	32.743	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.744	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5	Yes	2004-12-16	yes
TS	32.745	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5	Yes	2004-12-16	yes
TR	32.803	Telecommunication management; Process guide; Use cases in Unified Modelling Language (UML)	S5	No	2004-12-16	yes
TR	32.804	Telecommunication management; Control of Remote Electrical Tilting (RET) antennas; Requirements	S5	No	2004-12-16	yes
TR	32.815	Telecommunication management; Charging management; Online Charging System (OCS) architecture study	S5	No	2004-12-16	yes
TS	33.102	3G security; Security architecture	S3	Yes	2004-12-16	yes
TS	33.105	Cryptographic algorithm requirements	S3	Yes	2004-12-16	yes
TS	33.106	Lawful interception requirements	S3	Yes	2004-12-16	yes
TS	33.107	3G security; Lawful interception architecture and functions	S3	Yes	2004-12-16	yes
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	S3	Yes	2004-12-16	yes
TS	33.141	Presence service; Security	S3	Yes	2004-12-16	yes
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	S3	Yes	2004-12-16	yes
TS	33.201	Access domain security	S3	Yes		
TS	33.203	3G security; Access security for IP-based services	S3	Yes	2004-12-16	yes
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	S3	Yes	2004-12-16	yes

Type	Number	Title	WG prime	For public-ation?	freeze date	frozen
TS	33.220	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	S3	Yes	2004-12-16	yes
TS	33.221	Generic Authentication Architecture (GAA); Support for subscriber certificates	S3	Yes	2004-12-16	yes
TS	33.222	Generic Authentication Architecture (GAA); Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS)	S3	Yes	2004-12-16	yes
TS	33.234	3G security; Wireless Local Area Network (WLAN) interworking security	S3	Yes	2004-12-16	yes
TS	33.246	3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)	S3	No	2004-12-16	yes
TS	33.310	Network domain security; Authentication framework (NDS/AF)	S3	Yes	2004-12-16	yes
TR	33.810	3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution	S3	No	2004-12-16	yes
TR	33.817	Feasibility study on (Universal) Subscriber Interface Module (U)SIM security reuse by peripheral devices on local interfaces	S3	No	2004-12-16	yes
TR	33.919	Generic Authentication Architecture (GAA); System description	S3	Yes	2004-12-16	yes
TR	33.941	Presence service; Security	S3	Yes	2004-12-16	yes
TR	33.978	Security aspects of early IMS	S3	No	2004-12-16	yes
TS	34.108	Common test environments for User Equipment (UE) conformance testing	R5	Yes		
TS	34.109	Terminal logical test interface; Special conformance testing functions	R2	Yes	2004-12-10	yes
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	R5	Yes		
TS	34.122	Terminal conformance specification, Radio transmission and reception (TDD)	R5	Yes	2004-12-10	yes
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	R5	Yes		
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	R5	Yes		
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	R5	Yes		
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	R4	Yes	2004-12-10	yes
TS	34.131	Test Specification for C-language binding to (Universal) Subscriber Interface Module ((U)SIM) Application Programming Interface (API)	C6	Yes	2004-12-10	yes
TS	34.171	Terminal conformance specification; Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)	R5	Yes	2004-12-10	yes
TR	34.902	Derivation of test tolerances for multi-cell Radio Resource Model (RRM) conformance tests	R5	Yes	2004-12-10	yes
TR	34.926	Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment	R4	Yes	2004-12-10	yes
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	S3	Yes	2004-12-16	yes
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	S3	Yes	2004-12-16	yes
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	S3	Yes	2004-12-16	yes
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	S3	Yes	2004-12-16	yes
TS	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	S3	Yes	2004-12-16	yes

Type	Number	Title	WG prime	For public- ation?	freeze date	frozen
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	S3	Yes	2004-12-16	yes
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	S3	Yes	2004-12-16	yes
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	S3	Yes	2004-12-16	yes
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	S3	Yes	2004-12-16	yes

Annex A (informative):
Change history

Change history					
TSG SA#	**Version**	**CR**	**Tdoc SA**	**New Version**	**Subject/Comment**
SP-12	3GPP TS 21.103 version 0.0.0	-	SP-010275	3GPP TS 21.103 version 0.1.0	First draft
	0.1.0		SP-010382	1.0.0	table of specs revised
SP-13	1.0.0		SP-010418	1.1.0	table of specs revised
SP-15	1.1.0		SP-020095	1.2.0	table of specs revised; columns to show freeze status added
SP-15	1.2.0		SP-020202	2.0.0	table of specs revised
SP-16	2.0.0		SP-020271	2.1.0	table of specs revised
	2.1.0		SP-020398	2.2.0	table of specs revised
	2.2.0		SP-020410	5.0.0	table of specs revised; unknown freeze target dates blanked approved
SP-17	5.0.0	001 r1	SP-020628	5.1.0	updates lists of specs, editorial corrections to titles of specs
SP-18	5.1.0	002 r1	SP-020831	5.2.0	Correction to list of specs, editorial corrections to titles of specs
SP-19	5.2.0	003 r1	SP-030077	5.3.0	Correction to list of specs, editorial corrections to titles of specs
SP-20	3GPP TS 21.103 version 5.3.0	004	SP-030229	3GPP TS 21.101 version 5.4.0	Correction to list of specs
			SP-030235		Renumber from 21.103 to 21.101
SP-22	5.4.0	017	SP-030574	5.5.0	Correction to list of specs, editorial corrections to spec titles
SP-23	5.5.0	020 r2	SP-040221	5.6.0	Corrections to list of specifications
SP-24	5.6.0	021 r1	SP-040358	5.7.0	Corrections to list of specifications
SP-26	5.7.0	025 r1	SP-040880	6.0.0	Corrections to list of specifications
SP-27	6.0.0	029	SP-050126	6.1.0	Corrections to list of specifications

History

Document history		
V6.0.0	December 2004	Publication
V6.1.0	March 2005	Publication