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TECHNICAL SPECIFICATION

Universal Mobile Telecommunications System (UMTS);
Technical Specifications and Technical Reports
for a UTRAN-based 3GPP system
(3GPP TS 21.101 version 10.4.0 Release 10)

Reference
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Keywords
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Foreword

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

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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;

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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 10. The specifications and reports of 3GPP Release 10 have a major version number 10 (i.e. 10.x.y). The listed Specifications are required to build a system based on UTRAN 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 TS 21.905 [1] apply.

4 General

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

5 Specifications and Reports

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

NOTE 2: 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 publication?	freeze date	frozen
TS	21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	SP	Yes	2011-03-23	yes
TS	21.111	USIM and IC card requirements	C6	Yes	2011-03-23	yes
TS	21.202	Technical Specifications and Technical Reports relating to the Common IP Multimedia Subsystem (IMS)	SP	Yes	2011-03-23	yes

Type	Number	Title	WG prime	For publication?	freeze date	frozen
TR	21.801	Specification drafting rules	SP	No	2011-03-23	yes
TR	21.900	Technical Specification Group working methods	SP	Yes	2011-03-23	yes
TR	21.902	Evolution of 3GPP system	SP	Yes	2011-03-23	yes
TR	21.905	Vocabulary for 3GPP Specifications	SP	Yes	2011-03-23	yes
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	S1	Yes	2011-03-23	yes
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	S1	Yes	2011-03-23	yes
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1	Yes	2011-03-23	yes
TS	22.004	General on supplementary services	S1	Yes	2011-03-23	yes
TS	22.011	Service accessibility	S1	Yes	2011-03-23	yes
TS	22.016	International Mobile station Equipment Identities (IMEI)	S1	Yes	2011-03-23	yes
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	S1	Yes	2011-03-23	yes
TS	22.024	Description of Charge Advice Information (CAI)	S1	Yes	2011-03-23	yes
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	S1	Yes	2011-03-23	yes
TS	22.031	3G Security; Fraud Information Gathering System (FIGS); Service description; Stage 1	S3	Yes	2011-03-23	yes
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	S3	Yes	2011-03-23	yes
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	S1	Yes	2011-03-23	yes
TS	22.038	(U)SIM Application Toolkit (USAT); Service description; Stage 1	S1	Yes	2011-03-23	yes
TS	22.041	Operator Determined Barring (ODB)	S1	Yes	2011-03-23	yes
TS	22.042	Network Identity and TimeZone (NITZ); Service description; Stage 1	S1	Yes	2011-03-23	yes
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	S4	Yes	2011-03-23	yes
TS	22.057	Mobile Execution Environment (MExE); Service description; Stage 1	S1	Yes	2011-03-23	yes
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	S1	Yes	2011-03-23	yes
TS	22.066	Support of Mobile Number Portability (MNP); Service description; Stage 1	S1	Yes	2011-03-23	yes
TS	22.067	enhanced Multi Level Precedence and Pre-emption service (eMLPP); Stage 1	S1	Yes	2011-03-23	yes
TS	22.071	Location Services (LCS); Service description; Stage 1	S1	Yes	2011-03-23	yes
TS	22.072	Call Deflection (CD) service description; Stage 1	S1	Yes	2011-03-23	yes
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	S4	Yes	2011-03-23	yes
TS	22.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1	Yes	2011-03-23	yes
TS	22.079	Support of Optimal Routeing (SOR); Service definition; Stage 1	S1	Yes	2011-03-23	yes

Type	Number	Title	WG prime	For publication?	freeze date	frozen
TS	22.081	Line Identification supplementary services; Stage 1	S1	Yes	2011-03-23	yes
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	S1	Yes	2011-03-23	yes
TS	22.083	Call Waiting (CW) and Call Holding (HOLD); Supplementary Services; Stage 1	S1	Yes	2011-03-23	yes
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	S1	Yes	2011-03-23	yes
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	S1	Yes	2011-03-23	yes
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	S1	Yes	2011-03-23	yes
TS	22.087	User-to-User Signalling (UUS); Service description; Stage 1	S1	Yes	2011-03-23	yes
TS	22.088	Call Barring (CB) supplementary services; Stage 1	S1	Yes	2011-03-23	yes
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	S1	Yes	2011-03-23	yes
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	S1	Yes	2011-03-23	yes
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	S1	Yes	2011-03-23	yes
TS	22.094	Follow Me service description; Stage 1	S1	Yes	2011-03-23	yes
TS	22.096	Name identification supplementary services; Stage 1	S1	Yes	2011-03-23	yes
TS	22.097	Multiple Subscriber Profile (MSP) Phase 2; Service description; Stage 1	S1	Yes	2011-03-23	yes
TS	22.101	Service aspects; Service principles	S1	Yes	2011-03-23	yes
TS	22.105	Services and service capabilities	S1	Yes	2011-03-23	yes
TS	22.115	Service aspects; Charging and billing	S1	Yes	2011-03-23	yes
TS	22.129	Service aspects; Handover requirements between UTRAN and GERAN or other radio systems	S1	Yes	2011-03-23	yes
TS	22.135	Multicall; Service description; Stage 1	S1	Yes	2011-03-23	yes
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	S1	Yes	2011-03-23	yes
TS	22.141	Presence service; Stage 1	S1	Yes	2011-03-23	yes
TS	22.142	Value Added Services (VAS) for Short Message Service (SMS) requirements	S1	Yes	2011-03-23	yes
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1	Yes	2011-03-23	yes
TS	22.153	Multimedia priority service	S1	Yes	2011-03-23	yes
TS	22.173	IP Multimedia Core Network Subsystem (IMS) Multimedia Telephony Service and supplementary services; Stage 1	S1	Yes	2011-03-23	yes
TS	22.174	Push Service; Service aspects; Stage 1	S1	Yes	2011-03-23	yes
TS	22.182	Customized Alerting Tones (CAT) requirements; Stage 1	S1	Yes	2011-03-23	yes
TS	22.183	Customized Ringing Signal (CRS) requirements; Stage 1	S1	Yes	2011-03-23	yes
TS	22.220	Service requirements for Home Node B (HNB) and Home eNode B (HeNB)	S1	Yes	2011-03-23	yes

Type	Number	Title	WG prime	For publication?	freeze date	frozen
TS	22.226	Global Text Telephony (GTT); Stage 1	S1	Yes	2011-03-23	yes
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1	S1	Yes	2011-03-23	yes
TS	22.233	Transparent end-to-end packet-switched streaming service; Stage 1	S1	Yes	2011-03-23	yes
TS	22.234	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking	S1	Yes	2011-03-23	yes
TS	22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	S1	Yes	2011-03-23	yes
TS	22.242	Digital Rights Management (DRM); Stage 1	S1	Yes	2011-03-23	yes
TS	22.243	Speech recognition framework for automated voice services; Stage 1	S1	Yes	2011-03-23	yes
TS	22.246	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1	S1	Yes	2011-03-23	yes
TS	22.250	IP Multimedia Subsystem (IMS) Group Management; Stage 1	S1	Yes	2011-03-23	yes
TS	22.259	Service requirements for Personal Network Management (PNM); Stage 1	S1	Yes	2011-03-23	yes
TS	22.268	Public Warning System (PWS) requirements	S1	Yes	2011-03-23	yes
TS	22.278	Service requirements for the Evolved Packet System (EPS)	S1	Yes	2011-03-23	yes
TS	22.279	Combined Circuit Switched (CS) and IP Multimedia Subsystem (IMS) sessions; Stage 1	S1	Yes	2011-03-23	yes
TS	22.340	IP Multimedia Subsystem (IMS) messaging; Stage 1	S1	Yes	2011-03-23	yes
TS	22.368	Service requirements for Machine-Type Communications (MTC); Stage 1	S1	Yes	2011-03-23	yes
TR	22.813	Study of use cases and requirements for enhanced voice codecs for the Evolved Packet System (EPS)	S1	No	2011-03-23	yes
TR	22.814	Location Services (LCS) support in Evolved Packet Core (EPC) for non-3GPP accesses	S1	No	2011-03-23	yes
TR	22.893	Advanced requirements for IP interconnect	S1	No	2011-03-23	yes
TR	22.903	Study on Videotelephony teleservice	S1	Yes	2011-03-23	yes
TR	22.908	Study on Paging Permission with Access Control (PPAC)	S1	Yes	2011-03-23	yes
TR	22.912	Study into network selection requirements for non-3GPP access	S1	Yes	2011-03-23	yes
TR	22.934	Feasibility study on 3GPP system to Wireless Local Area Network (WLAN) interworking	S1	Yes	2011-03-23	yes
TR	22.935	Feasibility study on Location Services (LCS) for Wireless Local Area Network (WLAN) interworking	S1	Yes	2011-03-23	yes
TR	22.936	Multi-system terminals	S1	Yes	2011-03-23	yes
TR	22.937	Requirements for service continuity between mobile and Wireless Local Area Network (WLAN) networks	S1	Yes	2011-03-23	yes
TR	22.940	IP Multimedia Subsystem (IMS) messaging	S1	Yes	2011-03-23	yes
TR	22.942	Study on Value Added Services (VAS) for Short Message Service (SMS)	S1	Yes	2011-03-23	yes
TR	22.944	Report on service requirements for UE functionality split	S1	Yes	2011-03-23	yes
TR	22.947	Study on Personal Broadcast Service (PBS)	S1	Yes	2011-03-23	yes

Type	Number	Title	WG prime	For publication?	freeze date	frozen
TR	22.948	Study of requirements of IP-Multimedia Subsystem (IMS) convergent multimedia conferencing	S1	Yes	2011-03-23	yes
TR	22.949	Study on a generalized privacy capability	S1	Yes	2011-03-23	yes
TR	22.950	Priority service feasibility study	S1	Yes	2011-03-23	yes
TR	22.951	Service aspects and requirements for network sharing	S1	Yes	2011-03-23	yes
TR	22.952	Priority service guide	S1	Yes	2011-03-23	yes
TR	22.953	Multimedia priority service feasibility study	S1	Yes	2011-03-23	yes
TR	22.967	Transferring of emergency call data	S1	Yes	2011-03-23	yes
TR	22.968	Study for requirements for a Public Warning System (PWS) service	S1	Yes	2011-03-23	yes
TR	22.973	IMS Multimedia Telephony service; and supplementary services	S1	Yes	2011-03-23	yes
TR	22.977	Feasibility study for speech-enabled services	S1	Yes	2011-03-23	yes
TR	22.978	All-IP network (AIPN) feasibility study	S1	Yes	2011-03-23	yes
TR	22.979	Feasibility study on combined Circuit Switched (CS) calls and IP Multimedia Subsystem (IMS) sessions	S1	Yes	2011-03-23	yes
TR	22.980	Network composition feasibility study	S1	Yes	2011-03-23	yes
TR	22.982	Study of Customised Alerting Tone (CAT) requirements	S1	Yes	2011-03-23	yes
TR	22.983	Services alignment and migration	S1	Yes	2011-03-23	yes
TR	22.985	Service requirements for the User Data Convergence (UDC)	S1	Yes	2011-03-23	yes
TR	22.986	Study on Service Specific Access Control	S1	Yes	2011-03-23	yes
TR	22.987	Study of haptic services requirements	S1	Yes	2011-03-23	yes
TS	23.002	Network architecture	S2	Yes	2011-03-23	yes
TS	23.003	Numbering, addressing and identification	C4	Yes	2011-03-23	yes
TS	23.007	Restoration procedures	C4	Yes	2011-03-23	yes
TS	23.008	Organization of subscriber data	C4	Yes	2011-03-23	yes
TS	23.009	Handover procedures	C4	Yes	2011-03-23	yes
TS	23.011	Technical realization of Supplementary Services	C4	Yes	2011-03-23	yes
TS	23.012	Location management procedures	C4	Yes	2011-03-23	yes
TS	23.014	Support of Dual Tone Multi-Frequency (DTMF) signalling	C1	Yes	2011-03-23	yes
TS	23.015	Technical realization of Operator Determined Barring (ODB)	C4	Yes	2011-03-23	yes
TS	23.016	Subscriber data management; Stage 2	C4	Yes	2011-03-23	yes
TS	23.018	Basic call handling; Technical realization	C4	Yes	2011-03-23	yes

Type	Number	Title	WG prime	For publication?	freeze date	frozen
TS	23.031	3G Security; Fraud Information Gathering System (FIGS); Technical realization; Stage 2	S3	Yes	2011-03-23	yes
TS	23.032	Universal Geographical Area Description (GAD)	S2	Yes	2011-03-23	yes
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	C1	Yes	2011-03-23	yes
TS	23.035	Immediate Service Termination (IST); Stage 2	S3	Yes	2011-03-23	yes
TS	23.038	Alphabets and language-specific information	C1	Yes	2011-03-23	yes
TS	23.040	Technical realization of the Short Message Service (SMS)	C1	Yes	2011-03-23	yes
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	C1	Yes	2011-03-23	yes
TS	23.042	Compression algorithm for text messaging services	C1	Yes	2011-03-23	yes
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	S4	Yes	2011-03-23	yes
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	S2	Yes	2011-03-23	yes
TS	23.060	General Packet Radio Service (GPRS); Service description; Stage 2	S2	Yes	2011-03-23	yes
TS	23.066	Support of Mobile Number Portability (MNP); Technical realization; Stage 2	C4	Yes	2011-03-23	yes
TS	23.067	enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	C4	Yes	2011-03-23	yes
TS	23.072	Call Deflection (CD) supplementary service; Stage 2	C4	Yes	2011-03-23	yes
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 4; Stage 2	C4	Yes	2011-03-23	yes
TS	23.079	Support of Optimal Routeing (SOR); Technical realization	C4	Yes	2011-03-23	yes
TS	23.081	Line Identification supplementary services; Stage 2	C4	Yes	2011-03-23	yes
TS	23.082	Call Forwarding (CF) supplementary services; Stage 2	C4	Yes	2011-03-23	yes
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 2	C4	Yes	2011-03-23	yes
TS	23.084	Multi Party (MPTY) supplementary service; Stage 2	C4	Yes	2011-03-23	yes
TS	23.085	Closed User Group (CUG) supplementary service; Stage 2	C4	Yes	2011-03-23	yes
TS	23.086	Advice of Charge (AoC) supplementary services; Stage 2	C4	Yes	2011-03-23	yes
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	C4	Yes	2011-03-23	yes
TS	23.088	Call Barring (CB) Supplementary Services; Stage 2	C4	Yes	2011-03-23	yes
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	C4	Yes	2011-03-23	yes
TS	23.091	Explicit Call Transfer (ECT) supplementary service; Stage 2	C4	Yes	2011-03-23	yes
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	C4	Yes	2011-03-23	yes
TS	23.094	Follow-Me (FM); Stage 2	C4	Yes	2011-03-23	yes
TS	23.096	Name identification supplementary services; Stage 2	C4	Yes	2011-03-23	yes

Type	Number	Title	WG prime	For publication?	freeze date	frozen
TS	23.097	Multiple Subscriber Profile (MSP) (Phase X); Stage 2	C4	Yes	2011-03-23	yes
TS	23.101	General Universal Mobile Telecommunications System (UMTS) architecture	S2	Yes	2011-03-23	yes
TS	23.107	Quality of Service (QoS) concept and architecture	S2	Yes	2011-03-23	yes
TS	23.108	Mobile radio interface layer 3 specification, core network protocols; Stage 2	C1	Yes	2011-03-23	yes
TS	23.110	Universal Mobile Telecommunications System (UMTS) access stratum; Services and functions	S2	Yes	2011-03-23	yes
TS	23.116	Super-Charger technical realization; Stage 2	C4	Yes	2011-03-23	yes
TS	23.119	Gateway Location Register (GLR); Stage 2	C4	Yes	2011-03-23	yes
TS	23.122	Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode	C1	Yes	2011-03-23	yes
TS	23.135	Multicall supplementary service; Stage 2	C4	Yes	2011-03-23	yes
TS	23.141	Presence service; Architecture and functional description	S2	Yes	2011-03-23	yes
TS	23.142	Value-added Services for SMS (VAS4SMS); Interface and signalling flow	C4	Yes	2011-03-23	yes
TS	23.146	Technical realization of facsimile Group 3 non-transparent	C3	Yes	2011-03-23	yes
TS	23.153	Out of band transcoder control; Stage 2	C4	Yes	2011-03-23	yes
TS	23.167	IP Multimedia Subsystem (IMS) emergency sessions	S2	Yes	2011-03-23	yes
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service UDI/RDI fallback and service modification; Stage 2	C3	Yes	2011-03-23	yes
TS	23.202	Circuit switched data bearer services	C3	Yes	2011-03-23	yes
TS	23.203	Policy and charging control architecture	S2	Yes	2011-03-23	yes
TS	23.204	Support of Short Message Service (SMS) over generic 3GPP Internet Protocol (IP) access; Stage 2	S2	Yes	2011-03-23	yes
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	C4	Yes	2011-03-23	yes
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	S2	Yes	2011-03-23	yes
TS	23.216	Single Radio Voice Call Continuity (SRVCC); Stage 2	S2	Yes	2011-03-23	yes
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	C1	Yes	2011-03-23	yes
TS	23.221	Architectural requirements	S2	Yes	2011-03-23	yes
TS	23.226	Global text telephony (GTT); Stage 2	S2	Yes	2011-03-23	yes
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	S2	Yes	2011-03-23	yes
TS	23.231	SIP-I based circuit-switched core network; Stage 2	C4	Yes	2011-03-23	yes
TS	23.234	3GPP system to Wireless Local Area Network (WLAN) interworking; System description	S2	Yes	2011-03-23	yes
TS	23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2	Yes	2011-03-23	yes
TS	23.237	IP Multimedia Subsystem (IMS) Service Continuity; Stage 2	S2	Yes	2011-03-23	yes

Type	Number	Title	WG prime	For publication?	freeze date	frozen
TS	23.240	3GPP Generic User Profile (GUP); Architecture (Stage 2)	S2	Yes	2011-03-23	yes
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	S2	Yes	2011-03-23	yes
TS	23.251	Network sharing; Architecture and functional description	S2	Yes	2011-03-23	yes
TS	23.259	Personal Network Management (PNM); Procedures and information flows; Stage 2	C1	Yes	2011-03-23	yes
TS	23.261	IP flow mobility and seamless Wireless Local Area Network (WLAN) offload; Stage 2	S2	Yes	2011-03-23	yes
TS	23.271	Functional stage 2 description of Location Services (LCS)	S2	Yes	2011-03-23	yes
TS	23.272	Circuit Switched (CS) fallback in Evolved Packet System (EPS); Stage 2	S2	Yes	2011-03-23	yes
TS	23.278	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 4; Stage 2; IM CN Interworking	C4	Yes	2011-03-23	yes
TS	23.279	Combining Circuit Switched (CS) and IP Multimedia Subsystem (IMS) services; Stage 2	S2	Yes	2011-03-23	yes
TS	23.284	Local Call Local Switch (LCLS); Stage 2	C4	Yes	2011-03-23	yes
TS	23.292	IP Multimedia Subsystem (IMS) centralized services; Stage 2	S2	Yes	2011-03-23	yes
TS	23.327	Mobility between 3GPP-Wireless Local Area Network (WLAN) interworking and 3GPP systems	S2	Yes	2011-03-23	yes
TS	23.333	Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions	C4	Yes	2011-03-23	yes
TS	23.334	IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW) interface: Procedures descriptions	C4	Yes	2011-03-23	yes
TS	23.335	User Data Convergence (UDC); Technical realization and information flows; Stage 2	C4	Yes	2011-03-23	yes
TS	23.380	IMS Restoration Procedures	C4	Yes	2011-03-23	yes
TS	23.402	Architecture enhancements for non-3GPP accesses	S2	Yes	2011-03-23	yes
TR	23.824	IP-Short-Message-Gateway (IP-SM-GW) enhancements for interworking with Open Mobile Alliance (OMA) Converged IP Messaging (CPM)	S2	No	2011-03-23	yes
TR	23.829	Local IP Access and Selected IP Traffic Offload (LIPA-SIPTO)	S2	No	2011-03-23	yes
TR	23.831	IP Multimedia Subsystem (IMS) service continuity; Inter-UE transfer enhancements; Stage 2	S2	No	2011-03-23	yes
TR	23.832	IP Multimedia Subsystem (IMS) aspects of architecture for Home Node B (HNB); Stage 2	S2	No	2011-03-23	yes
TR	23.834	Study on General Packet Radio Service (GPRS) Tunnelling Protocol (GTP) based S2b; Stage 2	S2	No	2011-03-23	yes
TR	23.845	Study on User Data Convergence (UDC) evolution	C4	No	2011-03-23	yes
TR	23.856	Single Radio Voice Call Continuity (SRVCC) enhancements; Stage 2	S2	No	2011-03-23	yes
TR	23.860	Enabling coder selection and rate adaptation for UTRAN and E-UTRAN for load adaptive applications; Stage 2	S2	No	2011-03-23	yes
TR	23.886	Feasibility Study of Single Radio Video Call Continuity (vSRVCC); Stage 2	S2	No	2011-03-23	yes
TR	23.889	Local Call Local Switch (LCLS) system impacts; Feasibility study	C4	No	2011-03-23	yes
TR	23.894	System enhancements for the use of IP Multimedia	S2	No	2011-	yes

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		Subsystem (IMS) services in local breakout and optimal routeing of media			03-23	
TR	23.903	Redial solution for voice-video switching	S2	Yes	2011-03-23	yes
TR	23.919	Direct tunnel deployment guideline	S2	Yes	2011-03-23	yes
TR	23.924	Feasibility study on Non-Access Stratum (NAS) node selection function above Base Station Controller (BSC) / Radio Network Controller (RNC)	S2	Yes	2011-03-23	yes
TR	23.976	Push architecture	S2	Yes	2011-03-23	yes
TR	23.977	Bandwidth And Resource Savings (BARS) and speech enhancements for Circuit Switched (CS) networks	S2	Yes	2011-03-23	yes
TR	23.979	3GPP enablers for Open Mobile Alliance (OMA); Push-to-talk over Cellular (PoC) services; Stage 2	S2	Yes	2011-03-23	yes
TR	23.981	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations	S2	Yes	2011-03-23	yes
TS	24.002	GSM - UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	C1	Yes	2011-03-23	yes
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	C1	Yes	2011-03-23	yes
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	C1	Yes	2011-03-23	yes
TS	24.010	Mobile radio interface layer 3; Supplementary services specification; General aspects	C4	Yes	2011-03-23	yes
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface	C1	Yes	2011-03-23	yes
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	C3	Yes	2011-03-23	yes
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	C4	Yes	2011-03-23	yes
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	C4	Yes	2011-03-23	yes
TS	24.072	Call Deflection (CD) supplementary service; Stage 3	C4	Yes	2011-03-23	yes
TS	24.080	Mobile radio interface layer 3 supplementary services specification; Formats and coding	C4	Yes	2011-03-23	yes
TS	24.081	Line Identification supplementary services; Stage 3	C4	Yes	2011-03-23	yes
TS	24.082	Call Forwarding (CF) supplementary services; Stage 3	C4	Yes	2011-03-23	yes
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 3	C4	Yes	2011-03-23	yes
TS	24.084	Multi Party (MPTY) supplementary service; Stage 3	C4	Yes	2011-03-23	yes
TS	24.085	Closed User Group (CUG) supplementary service; Stage 3	C4	Yes	2011-03-23	yes
TS	24.086	Advice of Charge (AoC) supplementary services; Stage 3	C4	Yes	2011-03-23	yes
TS	24.087	User-to-User Signalling (UUS) Supplementary Service; Stage 3	C4	Yes	2011-03-23	yes
TS	24.088	Call Barring (CB) supplementary service; Stage 3	C4	Yes	2011-03-23	yes
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	C4	Yes	2011-03-23	yes
TS	24.091	Explicit Call Transfer (ECT) supplementary service; Stage 3	C4	Yes	2011-03-23	yes
TS	24.093	Completion of Calls to Busy Subscriber (CCBS); Stage 3	C4	Yes	2011-	yes

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					03-23	
TS	24.096	Name Identification supplementary services; Stage 3	C4	Yes	2011-03-23	yes
TS	24.109	Bootstrapping interface (Ub) and network application function interface (Ua); Protocol details	C1	Yes	2011-03-23	yes
TS	24.135	Multicall supplementary service; Stage 3	C4	Yes	2011-03-23	yes
TS	24.141	Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	C1	Yes	2011-03-23	yes
TS	24.147	Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	C1	Yes	2011-03-23	yes
TS	24.166	3GPP IP Multimedia Subsystem (IMS) conferencing Management Object (MO)	C1	Yes	2011-03-23	yes
TS	24.167	3GPP IMS Management Object (MO); Stage 3	C1	Yes	2011-03-23	yes
TS	24.173	IMS Multimedia telephony communication service and supplementary services; Stage 3	C1	Yes	2011-03-23	yes
TS	24.182	IP Multimedia Subsystem (IMS) Customized Alerting Tones (CAT); Protocol specification	C1	Yes	2011-03-23	yes
TS	24.183	IP Multimedia Subsystem (IMS) Customized Ringing Signal (CRS); Protocol specification	C1	Yes	2011-03-23	yes
TS	24.216	Communication Continuity Management Object (MO)	C1	Yes	2011-03-23	yes
TS	24.229	IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	C1	Yes	2011-03-23	yes
TS	24.234	3GPP system to Wireless Local Area Network (WLAN) interworking; WLAN User Equipment (WLAN UE) to network protocols; Stage 3	C1	Yes	2011-03-23	yes
TS	24.235	3GPP System to Wireless Local Area Network (WLAN) interworking Management Object (MO)	C1	Yes	2011-03-23	yes
TS	24.237	IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) service continuity; Stage 3	C1	Yes	2011-03-23	yes
TS	24.238	Session Initiation Protocol (SIP) based user configuration; Stage 3	C1	Yes	2011-03-23	yes
TS	24.239	Flexible Alerting (FA) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2011-03-23	yes
TS	24.247	Messaging service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	C1	Yes	2011-03-23	yes
TS	24.259	Personal Network Management (PNM); Stage 3	C1	Yes	2011-03-23	yes
TS	24.279	Combining Circuit Switched (CS) and IP Multimedia Subsystem (IMS) services; Stage 3	C1	Yes	2011-03-23	yes
TS	24.285	Allowed Closed Subscriber Group (CSG) list; Management Object (MO)	C1	Yes	2011-03-23	yes
TS	24.286	IP Multimedia (IM) Core Network (CN) subsystem Centralized Services (ICS); Management Object (MO)	C1	Yes	2011-03-23	yes
TS	24.292	IP Multimedia (IM) Core Network (CN) subsystem Centralized Services (ICS); Stage 3	C1	Yes	2011-03-23	yes
TS	24.294	IP Multimedia Subsystem (IMS) Centralized Services (ICS) protocol via I1 interface	C1	Yes	2011-03-23	yes
TS	24.301	Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS); Stage 3	C1	Yes	2011-03-23	yes
TS	24.302	Access to the 3GPP Evolved Packet Core (EPC) via non-3GPP access networks; Stage 3	C1	Yes	2011-03-23	yes
TS	24.303	Mobility management based on Dual-Stack Mobile IPv6; Stage 3	C1	Yes	2011-03-23	yes
TS	24.304	Mobility management based on Mobile IPv4; User Equipment	C1	Yes	2011-	yes

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		(UE) - foreign agent interface; Stage 3			03-23	
TS	24.305	Selective Disabling of 3GPP User Equipment Capabilities (SDoUE) Management Object (MO)	C1	Yes	2011-03-23	yes
TS	24.312	Access Network Discovery and Selection Function (ANDSF) Management Object (MO)	C1	Yes	2011-03-23	yes
TS	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	2011-03-23	yes
TS	24.337	IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer; Stage 3	C1	Yes	2011-03-23	yes
TS	24.341	Support of SMS over IP networks; Stage 3	C1	Yes	2011-03-23	yes
TS	24.368	Non-Access Stratum (NAS) configuration Management Object (MO)	C1	Yes	2011-03-23	yes
TS	24.604	Communication Diversion (CDIV) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2011-03-23	yes
TS	24.605	Conference (CONF) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2011-03-23	yes
TS	24.606	Message Waiting Indication (MWI) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2011-03-23	yes
TS	24.607	Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2011-03-23	yes
TS	24.608	Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2011-03-23	yes
TS	24.610	Communication HOLD (HOLD) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2011-03-23	yes
TS	24.611	Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2011-03-23	yes
TS	24.615	Communication Waiting (CW) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol Specification	C1	Yes	2011-03-23	yes
TS	24.616	Malicious Communication Identification (MCID) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2011-03-23	yes
TS	24.623	Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services	C1	Yes	2011-03-23	yes
TS	24.628	Common Basic Communication procedures using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2011-03-23	yes
TS	24.629	Explicit Communication Transfer (ECT) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2011-03-23	yes
TS	24.642	Completion of Communications to Busy Subscriber (CCBS) and Completion of Communications by No Reply (CCNR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification	C1	Yes	2011-03-23	yes
TS	24.647	Advice Of Charge (AOC) using IP Multimedia (IM) Core Network (CN) subsystem	C1	Yes	2011-03-23	yes
TS	24.654	Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem, Protocol Specification	C1	Yes	2011-03-23	yes
TR	24.837	IP Multimedia (IM) Core Network (CN) subsystem inter-UE transfer enhancements; Stage 3	C1	No	2011-03-23	yes
TR	24.930	Signalling flows for the session setup in the IP Multimedia core network Subsystem (IMS) based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	C1	Yes	2011-03-23	yes
TS	25.101	User Equipment (UE) radio transmission and reception (FDD)	R4	Yes	2011-03-23	yes

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TS	25.102	User Equipment (UE) radio transmission and reception (TDD)	R4	Yes	2011-03-23	yes
TS	25.104	Base Station (BS) radio transmission and reception (FDD)	R4	Yes	2011-03-23	yes
TS	25.105	Base Station (BS) radio transmission and reception (TDD)	R4	Yes	2011-03-23	yes
TS	25.106	UTRA repeater radio transmission and reception	R4	Yes	2011-03-23	yes
TS	25.111	Location Measurement Unit (LMU) performance specification; User Equipment (UE) positioning in UTRAN	R4	Yes	2011-03-23	yes
TS	25.113	Base station (BS) and repeater electromagnetic compatibility (EMC)	R4	Yes	2011-03-23	yes
TS	25.116	UTRA repeater radio transmission and reception (LCR TDD)	R4	Yes	2011-03-23	yes
TS	25.123	Requirements for support of radio resource management (TDD)	R4	Yes	2011-03-23	yes
TS	25.133	Requirements for support of radio resource management (FDD)	R4	Yes	2011-03-23	yes
TS	25.141	Base Station (BS) conformance testing (FDD)	R4	Yes	2011-03-23	yes
TS	25.142	Base Station (BS) conformance testing (TDD)	R4	Yes	2011-03-23	yes
TS	25.143	UTRA repeater conformance testing	R4	Yes	2011-03-23	yes
TS	25.144	User Equipment (UE) and Mobile Station (MS) over the air performance requirements	R4	Yes	2011-03-23	yes
TS	25.153	UTRA repeater conformance testing (LCR TDD)	R4	Yes	2011-03-23	yes
TS	25.171	Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)	R4	Yes	2011-03-23	yes
TS	25.172	Requirements for support of Assisted Galileo and Additional Navigation Satellite Systems (A-GANSS) Frequency Division Duplex (FDD)	R4	Yes	2011-03-23	yes
TS	25.201	Physical layer - general description	R1	Yes	2011-03-23	yes
TS	25.202	7.68 Mcps Time Division Duplex (TDD) option; Overall description: Stage 2	R1	Yes	2011-03-23	yes
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	R1	Yes	2011-03-23	yes
TS	25.212	Multiplexing and channel coding (FDD)	R1	Yes	2011-03-23	yes
TS	25.213	Spreading and modulation (FDD)	R1	Yes	2011-03-23	yes
TS	25.214	Physical layer procedures (FDD)	R1	Yes	2011-03-23	yes
TS	25.215	Physical layer; Measurements (FDD)	R1	Yes	2011-03-23	yes
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	R1	Yes	2011-03-23	yes
TS	25.222	Multiplexing and channel coding (TDD)	R1	Yes	2011-03-23	yes
TS	25.223	Spreading and modulation (TDD)	R1	Yes	2011-03-23	yes
TS	25.224	Physical layer procedures (TDD)	R1	Yes	2011-03-23	yes
TS	25.225	Physical layer; Measurements (TDD)	R1	Yes	2011-03-23	yes
TS	25.301	Radio interface protocol architecture	R2	Yes	2011-	yes

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					03-23	
TS	25.302	Services provided by the physical layer	R2	Yes	2011-03-23	yes
TS	25.303	Interlayer procedures in Connected Mode	R2	Yes	2011-03-23	yes
TS	25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	R2	Yes	2011-03-23	yes
TS	25.305	Stage 2 functional specification of User Equipment (UE) positioning in UTRAN	R2	Yes	2011-03-23	yes
TS	25.306	UE Radio Access capabilities	R2	Yes	2011-03-23	yes
TS	25.307	Requirements on User Equipments (UEs) supporting a release-independent frequency band	R2	Yes	2011-03-23	yes
TS	25.308	High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	R2	Yes	2011-03-23	yes
TS	25.317	High Speed Packet Access (HSPA); Requirements on User Equipments (UEs) supporting a release-independent frequency band combination	R2	Yes	2011-03-23	yes
TS	25.319	Enhanced uplink; Overall description; Stage 2	R2	Yes	2011-03-23	yes
TS	25.321	Medium Access Control (MAC) protocol specification	R2	Yes	2011-03-23	yes
TS	25.322	Radio Link Control (RLC) protocol specification	R2	Yes	2011-03-23	yes
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	R2	Yes	2011-03-23	yes
TS	25.324	Broadcast/Multicast Control (BMC)	R2	Yes	2011-03-23	yes
TS	25.327	High Speed Packet Access (HSPA); Requirements on User Equipments (UEs) supporting a release-independent frequency band and multi-carrier configuration	R2	Yes	2013-12-06	yes
TS	25.331	Radio Resource Control (RRC); Protocol specification	R2	Yes	2011-03-23	yes
TS	25.346	Introduction of the Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN); Stage 2	R2	Yes	2011-03-23	yes
TS	25.367	Mobility procedures for Home Node B (HNB); Overall description; Stage 2	R2	Yes	2011-03-23	yes
TS	25.401	UTRAN overall description	R3	Yes	2011-03-23	yes
TS	25.402	Synchronisation in UTRAN Stage 2	R3	Yes	2011-03-23	yes
TS	25.410	UTRAN Iu interface: General aspects and principles	R3	Yes	2011-03-23	yes
TS	25.411	UTRAN Iu interface layer 1	R3	Yes	2011-03-23	yes
TS	25.412	UTRAN Iu interface signalling transport	R3	Yes	2011-03-23	yes
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3	Yes	2011-03-23	yes
TS	25.414	UTRAN Iu interface data transport and transport signalling	R3	Yes	2011-03-23	yes
TS	25.415	UTRAN Iu interface user plane protocols	R3	Yes	2011-03-23	yes
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3	Yes	2011-03-23	yes
TS	25.420	UTRAN Iur interface general aspects and principles	R3	Yes	2011-03-23	yes
TS	25.421	UTRAN Iur interface layer 1	R3	Yes	2011-	yes

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					03-23	
TS	25.422	UTRAN Iur interface signalling transport	R3	Yes	2011-03-23	yes
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	R3	Yes	2011-03-23	yes
TS	25.424	UTRAN Iur interface data transport & transport signalling for Common Transport Channel data streams	R3	Yes	2011-03-23	yes
TS	25.425	UTRAN Iur interface user plane protocols for Common Transport Channel data streams	R3	Yes	2011-03-23	yes
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3	Yes	2011-03-23	yes
TS	25.427	UTRAN Iub/Iur interface user plane protocol for DCH data streams	R3	Yes	2011-03-23	yes
TS	25.430	UTRAN Iub Interface: general aspects and principles	R3	Yes	2011-03-23	yes
TS	25.431	UTRAN Iub interface Layer 1	R3	Yes	2011-03-23	yes
TS	25.432	UTRAN Iub interface: signalling transport	R3	Yes	2011-03-23	yes
TS	25.433	UTRAN Iub interface Node B Application Part (NBAP) signalling	R3	Yes	2011-03-23	yes
TS	25.434	UTRAN Iub interface data transport and transport signalling for Common Transport Channel data streams	R3	Yes	2011-03-23	yes
TS	25.435	UTRAN Iub interface user plane protocols for Common Transport Channel data streams	R3	Yes	2011-03-23	yes
TS	25.442	UTRAN implementation-specific O&M transport	R3	Yes	2011-03-23	yes
TS	25.444	Iuh data transport	R3	Yes	2011-03-23	yes
TS	25.446	MBMS synchronisation protocol (SYNC)	R3	Yes	2011-03-23	yes
TS	25.450	UTRAN Iupc interface general aspects and principles	R3	Yes	2011-03-23	yes
TS	25.451	UTRAN Iupc interface layer 1	R3	Yes	2011-03-23	yes
TS	25.452	UTRAN Iupc interface: signalling transport	R3	Yes	2011-03-23	yes
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3	Yes	2011-03-23	yes
TS	25.460	UTRAN Iuant interface: General aspects and principles	R3	Yes	2011-03-23	yes
TS	25.461	UTRAN Iuant interface: Layer 1	R3	Yes	2011-03-23	yes
TS	25.462	UTRAN Iuant interface: Signalling transport	R3	Yes	2011-03-23	yes
TS	25.466	UTRAN Iuant interface: Application part	R3	Yes	2011-03-23	yes
TS	25.467	UTRAN architecture for 3G Home Node B (HNB); Stage 2	R3	Yes	2011-03-23	yes
TS	25.468	UTRAN Iuh Interface RANAP User Adaption (RUA) signalling	R3	Yes	2011-03-23	yes
TS	25.469	UTRAN Iuh interface Home Node B (HNB) Application Part (HNBAP) signalling	R3	Yes	2011-03-23	yes
TS	25.471	UTRAN Iurh interface Radio Network Subsystem Application Part (RNSAP) User Adaption (RNA) signalling	R3	Yes	2011-03-23	yes
TS	25.484	Automatic Neighbour Relation (ANR) for UTRAN; Stage 2	R3	Yes	2011-06-03	yes

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TR	25.863	Universal Terrestrial Radio Access (UTRA); Uplink transmit diversity for High Speed Packet Access (HSPA)	R4	No	2011-03-23	yes
TR	25.864	Downlink configurations for Four-carrier High Speed Download Packet Access (4C-HSDPA)	R4	No	2011-09-16	yes
TR	25.865	Improvements of distributed antenna for 1.28 Mcps TDD	R1	No	2011-03-23	yes
TR	25.903	Continuous connectivity for packet data users	R1	Yes	2011-03-23	yes
TR	25.906	Dynamically reconfiguring a Frequency Division Duplex (FDD) User Equipment (UE) receiver to reduce power consumption when desired Quality of Service (QoS) is met	R4	Yes	2011-03-23	yes
TR	25.912	Feasibility study for evolved Universal Terrestrial Radio Access (UTRA) and Universal Terrestrial Radio Access Network (UTRAN)	RP	Yes	2011-03-23	yes
TR	25.914	Measurements of radio performances for UMTS terminals in speech mode	R4	Yes	2011-03-23	yes
TR	25.927	Solutions for energy saving within UTRA Node B	R1	No	2011-03-23	yes
TR	25.929	Continuous connectivity for packet data users; 1.28 Mcps TDD	R1	Yes	2011-03-23	yes
TR	25.931	UTRAN functions, examples on signalling procedures	R3	Yes	2011-03-23	yes
TR	25.942	Radio Frequency (RF) system scenarios	R4	Yes	2011-03-23	yes
TR	25.943	Deployment aspects	R4	Yes	2011-03-23	yes
TR	25.951	FDD Base Station (BS) classification	R4	Yes	2011-03-23	yes
TR	25.956	Universal Terrestrial Radio Access (UTRA) repeater planning guidelines and system analysis	R4	Yes	2011-03-23	yes
TR	25.963	Feasibility study on interference cancellation for UTRA FDD User Equipment (UE)	R4	Yes	2011-03-23	yes
TR	25.967	Home Node B (HNB) Radio Frequency (RF) requirements (FDD)	R4	Yes	2011-03-23	yes
TR	25.968	1.28 Mcps TDD Home NodeB Radio Frequency (RF)	R4	Yes	2011-03-23	yes
TR	25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements	RP	Yes	2011-03-23	yes
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	R2	Yes	2011-03-23	yes
TR	25.996	Spatial channel model for Multiple Input Multiple Output (MIMO) simulations	R1	Yes	2011-03-23	yes
TS	26.071	Mandatory speech CODEC speech processing functions; AMR speech Codec; General description	S4	Yes	2011-03-23	yes
TS	26.073	ANSI-C code for the Adaptive Multi Rate (AMR) speech codec	S4	Yes	2011-03-23	yes
TS	26.074	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec test sequences	S4	Yes	2011-03-23	yes
TS	26.077	Minimum performance requirements for noise suppresser; Application to the Adaptive Multi-Rate (AMR) speech encoder	S4	Yes	2011-03-23	yes
TS	26.090	Mandatory Speech Codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Transcoding functions	S4	Yes	2011-03-23	yes
TS	26.091	Mandatory Speech Codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Error concealment of lost frames	S4	Yes	2011-03-23	yes
TS	26.092	Mandatory speech codec speech processing functions;	S4	Yes	2011-	yes

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		Adaptive Multi-Rate (AMR) speech codec; Comfort noise aspects			03-23	
TS	26.093	Mandatory speech codec speech processing functions Adaptive Multi-Rate (AMR) speech codec; Source controlled rate operation	S4	Yes	2011-03-23	yes
TS	26.094	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Voice Activity Detector (VAD)	S4	Yes	2011-03-23	yes
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	S4	Yes	2011-03-23	yes
TS	26.102	Mandatory speech codec; Adaptive Multi-Rate (AMR) speech codec; Interface to Iu, Uu and Nb	S4	Yes	2011-03-23	yes
TS	26.103	Speech codec list for GSM and UMTS	S4	Yes	2011-03-23	yes
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	S4	Yes	2011-03-23	yes
TS	26.110	Codec for circuit switched multimedia telephony service; General description	S4	Yes	2011-03-23	yes
TS	26.111	Codec for circuit switched multimedia telephony service; Modifications to H.324	S4	Yes	2011-03-23	yes
TS	26.114	IP Multimedia Subsystem (IMS); Multimedia telephony; Media handling and interaction	S4	Yes	2011-03-23	yes
TS	26.115	Echo control for speech and multimedia services	S4	Yes	2011-03-23	yes
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	S4	Yes	2011-03-23	yes
TS	26.132	Speech and video telephony terminal acoustic test specification	S4	Yes	2011-03-23	yes
TS	26.140	Multimedia Messaging Service (MMS); Media formats and codecs	S4	Yes	2011-03-23	yes
TS	26.141	IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs	S4	Yes	2011-03-23	yes
TS	26.142	Dynamic and Interactive Multimedia Scenes (DIMS)	S4	Yes	2011-03-23	yes
TS	26.150	Syndicated Feed Reception (SFR) within 3GPP environments; Protocols and codecs	S4	Yes	2011-03-23	yes
TS	26.171	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; General description	S4	Yes	2011-03-23	yes
TS	26.173	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-WB) speech codec	S4	Yes	2011-03-23	yes
TS	26.174	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec test sequences	S4	Yes	2011-03-23	yes
TS	26.177	Speech Enabled Services (SES); Distributed Speech Recognition (DSR) extended advanced front-end test sequences	S4	Yes	2011-03-23	yes
TS	26.190	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Transcoding functions	S4	Yes	2011-03-23	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	2011-03-23	yes
TS	26.192	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Comfort noise aspects	S4	Yes	2011-03-23	yes
TS	26.193	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Source controlled rate operation	S4	Yes	2011-03-23	yes
TS	26.194	Speech codec speech processing functions; Adaptive Multi-	S4	Yes	2011-	yes

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		Rate - Wideband (AMR-WB) speech codec; Voice Activity Detector (VAD)			03-23	
TS	26.201	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Frame structure	S4	Yes	2011-03-23	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	2011-03-23	yes
TS	26.204	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; ANSI-C code	S4	Yes	2011-03-23	yes
TS	26.226	Cellular text telephone modem; General description	S4	Yes	2011-03-23	yes
TS	26.230	Cellular text telephone modem; Transmitter bit exact C-code	S4	Yes	2011-03-23	yes
TS	26.231	Cellular text telephone modem; Minimum performance requirements	S4	Yes	2011-03-23	yes
TS	26.233	Transparent end-to-end Packet-switched Streaming service (PSS); General description	S4	Yes	2011-03-23	yes
TS	26.234	Transparent end-to-end Packet-switched Streaming Service (PSS); Protocols and codecs	S4	Yes	2011-03-23	yes
TS	26.235	Packet switched conversational multimedia applications; Default codecs	S4	Yes	2011-03-23	yes
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	S4	Yes	2011-03-23	yes
TS	26.237	IP Multimedia Subsystem (IMS) based Packet Switch Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) User Service; Protocols	S4	Yes	2011-03-23	yes
TS	26.243	ANSI-C code for the fixed-point distributed speech recognition extended advanced front-end	S4	Yes	2011-03-23	yes
TS	26.244	Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP)	S4	Yes	2011-03-23	yes
TS	26.245	Transparent end-to-end Packet switched Streaming Service (PSS); Timed text format	S4	Yes	2011-03-23	yes
TS	26.246	Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile	S4	Yes	2011-03-23	yes
TS	26.247	Transparent end-to-end Packet-switched Streaming Service (PSS); Progressive Download and Dynamic Adaptive Streaming over HTTP (3GP-DASH)	S4	Yes	2011-06-08	yes
TS	26.267	eCall data transfer; In-band modem solution; General description	S4	Yes	2011-03-23	yes
TS	26.268	eCall data transfer; In-band modem solution; ANSI-C reference code	S4	Yes	2011-03-23	yes
TS	26.269	eCall data transfer; In-band modem solution; Conformance testing	S4	Yes	2011-03-23	yes
TS	26.273	ANSI-C code for the fixed-point Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec	S4	Yes	2011-03-23	yes
TS	26.274	Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec; Conformance testing	S4	Yes	2011-03-23	yes
TS	26.290	Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions	S4	Yes	2011-03-23	yes
TS	26.304	Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Floating-point ANSI-C code	S4	Yes	2011-03-23	yes
TS	26.346	Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs	S4	Yes	2011-03-23	yes
TS	26.401	General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description	S4	Yes	2011-03-23	yes
TS	26.402	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools	S4	Yes	2011-03-23	yes

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TS	26.403	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Advanced Audio Coding (AAC) part	S4	Yes	2011-03-23	yes
TS	26.404	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Enhanced aacPlus encoder Spectral Band Replication (SBR) part	S4	Yes	2011-03-23	yes
TS	26.405	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification parametric stereo part	S4	Yes	2011-03-23	yes
TS	26.406	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Conformance testing	S4	Yes	2011-03-23	yes
TS	26.410	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Floating-point ANSI-C code	S4	Yes	2011-03-23	yes
TS	26.411	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Fixed-point ANSI-C code	S4	Yes	2011-03-23	yes
TS	26.412	Source code for 3GP file format	S4	Yes	2011-03-23	yes
TS	26.430	Timed graphics	S4	Yes	2011-03-23	yes
TR	26.902	Video codec performance	S4	Yes	2011-03-23	yes
TR	26.903	Improved video support for Packet Switched Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) Services	S4	Yes	2011-03-23	yes
TR	26.904	Improved video coding support	S4	Yes	2011-03-23	yes
TR	26.911	Codec(s) for Circuit-Switched (CS) multimedia telephony service; Terminal implementor"s guide	S4	Yes	2011-03-23	yes
TR	26.914	Multimedia telephony over IP Multimedia Subsystem (IMS); Optimization opportunities	S4	Yes	2011-03-23	yes
TR	26.935	Packet Switched (PS) conversational multimedia applications; Performance characterisation of default codecs	S4	Yes	2011-03-23	yes
TR	26.936	Performance characterization of 3GPP audio codecs	S4	Yes	2011-03-23	yes
TR	26.937	Transparent end-to-end Packet-switched Streaming Service (PSS); Real-time Transport Protocol (RTP) usage model	S4	Yes	2011-03-23	yes
TR	26.943	Recognition performance evaluations of codecs for Speech Enabled Services (SES)	S4	Yes	2011-03-23	yes
TR	26.944	End-to-end multimedia services performance metrics	S4	Yes	2011-03-23	yes
TR	26.946	Multimedia Broadcast/Multicast Service (MBMS) user service guidelines	S4	Yes	2011-03-23	yes
TR	26.950	Study on Surround Sound codec extension for Packet Switched Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS)	S4	Yes	2011-03-23	yes
TR	26.967	eCall data transfer; In-band modem solution	S4	Yes	2011-03-23	yes
TR	26.969	eCall data transfer; In-band modem solution; Characterization report	S4	Yes	2011-03-23	yes
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	S4	Yes	2011-03-23	yes
TR	26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	S4	Yes	2011-03-23	yes
TR	26.978	Results of the Adaptive Multi-Rate (AMR) noise suppression selection phase	S4	Yes	2011-03-23	yes
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	C3	Yes	2011-03-23	yes
TS	27.002	Terminal Adaptation Functions (TAF) for services using asynchronous bearer capabilities	C3	Yes	2011-03-23	yes

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TS	27.003	Terminal Adaptation Functions (TAF) for services using synchronous bearer capabilities	C3	Yes	2011-03-23	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	2011-03-23	yes
TS	27.007	AT command set for User Equipment (UE)	C1	Yes	2011-03-23	yes
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	C3	Yes	2011-03-23	yes
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	C3	Yes	2011-03-23	yes
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4	Yes	2011-03-23	yes
TS	29.002	Mobile Application Part (MAP) specification	C4	Yes	2011-03-23	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	2011-03-23	yes
TS	29.010	Information element mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MSC); Signalling Procedures and the Mobile Application Part (MAP)	C4	Yes	2011-03-23	yes
TS	29.011	Signalling Interworking for supplementary services	C4	Yes	2011-03-23	yes
TS	29.013	Signalling interworking between ISDN supplementary services; Application Service Element (ASE) and Mobile Application Part (MAP) protocols	C4	Yes	2011-03-23	yes
TS	29.016	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification	C1	Yes	2011-03-23	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	2011-03-23	yes
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	C4	Yes	2011-03-23	yes
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	C3	Yes	2011-03-23	yes
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase X; CAMEL Application Part (CAP) specification	C4	Yes	2011-03-23	yes
TS	29.079	Optimal media routeing within the IP Multimedia Subsystem (IMS); Stage 3	C3	Yes	2011-03-23	yes
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3	Yes	2011-03-23	yes
TS	29.109	Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Stage 3	C4	Yes	2011-03-23	yes
TS	29.118	Mobility Management Entity (MME) - Visitor Location Register (VLR) SGs interface specification	C1	Yes	2011-03-23	yes
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	C4	Yes	2011-03-23	yes
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR)	C4	Yes	2011-03-23	yes
TS	29.161	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services with Wireless Local Area Network (WLAN) access and Packet data Networks (PDN)	C3	Yes	2011-03-23	yes
TS	29.162	Interworking between the IM CN subsystem and IP networks	C3	Yes	2011-03-23	yes

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TS	29.163	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	C3	Yes	2011-03-23	yes
TS	29.164	Interworking between the 3GPP CS domain with BICC or ISUP as signalling protocol and external SIP-I networks	C3	Yes	2011-03-23	yes
TS	29.165	Inter-IMS Network to Network Interface (NNI)	C3	Yes	2011-03-23	yes
TS	29.168	Cell Broadcast Centre interfaces with the Evolved Packet Core; Stage 3	C4	Yes	2011-03-23	yes
TS	29.171	Location Services (LCS); LCS Application Protocol (LCS-AP) between the Mobile Management Entity (MME) and Evolved Serving Mobile Location Centre (E-SMLC); SLs interface	C4	Yes	2011-03-23	yes
TS	29.172	Location Services (LCS); Evolved Packet Core (EPC) LCS Protocol (ELP) between the Gateway Mobile Location Centre (GMLC) and the Mobile Management Entity (MME); SLg interface	C4	Yes	2011-03-23	yes
TS	29.173	Location Services (LCS); Diameter-based SLh interface for Control Plane LCS	C4	Yes	2011-03-23	yes
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	C4	Yes	2011-03-23	yes
TS	29.204	Signalling System No. 7 (SS7) security gateway; Architecture, functional description and protocol details	C4	Yes	2011-03-23	yes
TS	29.205	Application of Q.1900 series to bearer independent Circuit Switched (CS) core network architecture; Stage 3	C4	Yes	2011-03-23	yes
TS	29.212	Policy and Charging Control (PCC); Reference points	C3	Yes	2011-03-23	yes
TS	29.213	Policy and charging control signalling flows and Quality of Service (QoS) parameter mapping	C3	Yes	2011-03-23	yes
TS	29.214	Policy and charging control over Rx reference point	C3	Yes	2011-03-23	yes
TS	29.215	Policy and Charging Control (PCC) over S9 reference point; Stage 3	C3	Yes	2011-03-23	yes
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	C4	Yes	2011-03-23	yes
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	C4	Yes	2011-03-23	yes
TS	29.230	Diameter applications; 3GPP specific codes and identifiers	C4	Yes	2011-03-23	yes
TS	29.231	Application of SIP-I Protocols to Circuit Switched (CS) core network architecture; Stage 3	C4	Yes	2011-03-23	yes
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	C4	Yes	2011-03-23	yes
TS	29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3	C4	Yes	2011-03-23	yes
TS	29.235	Interworking between SIP-I based circuit-switched core network and other networks	C3	Yes	2011-03-23	yes
TS	29.238	Interconnection Border Control Functions (IBCF) - Transition Gateway (TrGW) interface, Ix interface; Stage 3	C4	Yes	2011-03-23	yes
TS	29.240	3GPP Generic User Profile (GUP); Stage 3; Network	C4	Yes	2011-03-23	yes
TS	29.272	Evolved Packet System (EPS); Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol	C4	Yes	2011-03-23	yes
TS	29.273	Evolved Packet System (EPS); 3GPP EPS AAA interfaces	C4	Yes	2011-03-23	yes
TS	29.274	3GPP Evolved Packet System (EPS); Evolved General Packet Radio Service (GPRS) Tunnelling Protocol for Control plane (GTPv2-C); Stage 3	C4	Yes	2011-03-23	yes
TS	29.275	Proxy Mobile IPv6 (PMIPv6) based Mobility and Tunnelling	C4	Yes	2011-	yes

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		protocols; Stage 3			03-23	
TS	29.276	3GPP Evolved Packet System (EPS); Optimized handover procedures and protocols between E-UTRAN access and cdma2000 HRPD Access; Stage 3	C4	Yes	2011-03-23	yes
TS	29.277	Optimised handover procedures and protocol between EUTRAN access and non-3GPP accesses (S102); Stage 3	C4	Yes	2011-03-23	yes
TS	29.278	Customized Applications for Mobile network Enhanced Logic (CAMEL) Phase 4; CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	C4	Yes	2011-03-23	yes
TS	29.279	Mobile IPv4 (MIPv4) based mobility protocols; Stage 3	C4	Yes	2011-03-23	yes
TS	29.280	Evolved Packet System (EPS); 3GPP Sv interface (MME to MSC, and SGSN to MSC) for SRVCC	C4	Yes	2011-03-23	yes
TS	29.281	General Packet Radio System (GPRS) Tunnelling Protocol User Plane (GTPv1-U)	C4	Yes	2011-03-23	yes
TS	29.282	Mobile IPv6 vendor specific option format and usage within 3GPP	C4	Yes	2011-03-23	yes
TS	29.292	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem (IMS) and MSC Server for IMS Centralized Services (ICS)	C3	Yes	2011-03-23	yes
TS	29.303	Domain Name System Procedures; Stage 3	C4	Yes	2011-03-23	yes
TS	29.305	InterWorking Function (IWF) between MAP based and Diameter based interfaces	C4	Yes	2011-03-23	yes
TS	29.311	Service Level Interworking (SLI) for messaging services	C3	Yes	2011-03-23	yes
TS	29.328	IP Multimedia (IM) Subsystem Sh interface; Signalling flows and message contents	C4	Yes	2011-03-23	yes
TS	29.329	Sh interface based on the Diameter protocol; Protocol details	C4	Yes	2011-03-23	yes
TS	29.332	Media Gateway Control Function (MGCF) - IM Media Gateway; Mn interface	C4	Yes	2011-03-23	yes
TS	29.333	Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3	C4	Yes	2011-03-23	yes
TS	29.334	IMS Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW); Iq Interface; Stage 3	C4	Yes	2011-03-23	yes
TS	29.335	User Data Convergence (UDC); User data repository access protocol over the Ud interface; Stage 3	C4	Yes	2011-03-23	yes
TS	29.364	IP Multimedia Subsystem (IMS) Application Server (AS) service data descriptions for AS interoperability	C4	Yes	2011-03-23	yes
TS	29.414	Core network Nb data transport and transport signalling	C3	Yes	2011-03-23	yes
TS	29.415	Core network Nb interface user plane protocols	C3	Yes	2011-03-23	yes
TS	29.658	SIP Transfer of IP Multimedia Service Tariff Information; Protocol specification	C3	Yes	2011-03-23	yes
TR	29.816	Study on PCRF failure and restoration	C3	No	2011-03-23	yes
TR	29.909	Diameter-based protocols usage and recommendations in 3GPP	C3	Yes	2011-03-23	yes
TR	29.935	Study on User Data Convergence (UDC) data model	C4	Yes		
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	C1	Yes	2011-03-23	yes
TR	30.820	Telecommunication management; Project scheduling and open issues for SA5, Release 10	S5	No		
TS	31.101	UICC-terminal interface; Physical and logical characteristics	C6	Yes	2011-03-23	yes
TS	31.102	Characteristics of the Universal Subscriber Identity Module	C6	Yes	2011-	yes

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		(USIM) application			03-23	
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	C6	Yes	2011-03-23	yes
TS	31.111	Universal Subscriber Identity Module (USIM) Application Toolkit (USAT)	C6	Yes	2011-03-23	yes
TS	31.115	Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	C6	Yes	2011-03-23	yes
TS	31.116	Remote APDU Structure for (U)SIM Toolkit applications	C6	Yes	2011-03-23	yes
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	C6	Yes	2011-03-23	yes
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	C6	Yes	2011-03-23	yes
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	C6	Yes	2011-03-23	yes
TS	31.124	Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification	C6	Yes	2011-03-23	yes
TS	31.130	(U)SIM Application Programming Interface (API); (U)SIM API for Java™ Card	C6	Yes	2011-03-23	yes
TS	31.131	C-language binding to (U)SIM API	C6	Yes	2011-03-23	yes
TS	31.133	IP Multimedia Services Identity Module (ISIM) Application Programming Interface (API); ISIM API for Java Card™	C6	Yes	2011-03-23	yes
TS	31.213	Test specification for (U)SIM; Application Programming Interface (API) for Java Card™	C6	Yes	2011-03-23	yes
TS	31.220	Characteristics of the Contact Manager for 3GPP UICC applications	C6	Yes	2011-03-23	yes
TS	31.221	Contact Manager Application Programming Interface (API); Contact Manager API for Java Card	C6	Yes	2011-03-23	yes
TR	31.828	UICC access to IMS	C6	No	2011-03-23	yes
TR	31.900	SIM/USIM internal and external interworking aspects	C6	Yes	2011-03-23	yes
TS	32.101	Telecommunication management; Principles and high level requirements	S5	Yes	2011-03-23	yes
TS	32.102	Telecommunication management; Architecture	S5	Yes	2011-03-23	yes
TS	32.103	Telecommunication management; Integration Reference Point (IRP) overview and usage guide	S5	Yes	2011-06-03	yes
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	S5	Yes	2011-03-23	yes
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.111-6	Telecommunication management; Fault Management; Part 6: Alarm Integration Reference Point (IRP): Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.121	Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP): Requirements	S5	Yes	2011-03-23	yes
TS	32.122	Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.126	Telecommunication management; Advanced Alarm Management (AAM) Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.140	Telecommunication management; Subscription Management	S5	Yes	2011-	yes

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		(SuM) requirements			03-23	
TS	32.141	Telecommunication management; Subscription Management (SuM) architecture	S5	Yes	2011-03-23	yes
TS	32.150	Telecommunication management; Integration Reference Point (IRP) Concept and definitions	S5	Yes	2011-03-23	yes
TS	32.151	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template	S5	Yes	2011-03-23	yes
TS	32.152	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire	S5	Yes	2011-03-23	yes
TS	32.153	Telecommunication management; Integration Reference Point (IRP) technology specific templates, rules and guidelines	S5	Yes	2011-03-23	yes
TS	32.154	Telecommunication management; Backward and Forward Compatibility (BFC); Concept and definitions	S5	Yes	2011-03-23	yes
TS	32.155	Telecommunication management; Requirements template	S5	Yes	2011-03-23	yes
TS	32.171	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.172	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.176	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.181	Telecommunication management; User Data Convergence (UDC); Framework for Model Handling and Management	S5	Yes	2011-03-23	yes
TS	32.182	Telecommunication management; User Data Convergence (UDC); Common baseline information model (CBIM)	S5	Yes	2011-03-23	yes
TS	32.240	Telecommunication management; Charging management; Charging architecture and principles	S5	Yes	2011-03-23	yes
TS	32.250	Telecommunication management; Charging management; Circuit Switched (CS) domain charging	S5	Yes	2011-03-23	yes
TS	32.251	Telecommunication management; Charging management; Packet Switched (PS) domain charging	S5	Yes	2011-03-23	yes
TS	32.252	Telecommunication management; Charging management; Wireless Local Area Network (WLAN) charging	S5	Yes	2011-03-23	yes
TS	32.260	Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging	S5	Yes	2011-03-23	yes
TS	32.270	Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging	S5	Yes	2011-03-23	yes
TS	32.271	Telecommunication management; Charging management; Location Services (LCS) charging	S5	Yes	2011-03-23	yes
TS	32.272	Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging	S5	Yes	2011-03-23	yes
TS	32.273	Telecommunication management; Charging management; Multimedia Broadcast and Multicast Service (MBMS) charging	S5	Yes	2011-03-23	yes
TS	32.274	Telecommunication management; Charging management; Short Message Service (SMS) charging	S5	Yes	2011-03-23	yes
TS	32.275	Telecommunication management; Charging management; MultiMedia Telephony (MMTel) charging	S5	Yes	2011-03-23	yes
TS	32.280	Telecommunication management; Charging management; Advice of Charge (AoC) service	S5	Yes	2011-03-23	yes
TS	32.295	Telecommunication management; Charging management; Charging Data Record (CDR) transfer	S5	Yes	2011-03-23	yes
TS	32.296	Telecommunication management; Charging management; Online Charging System (OCS): Applications and interfaces	S5	Yes	2011-03-23	yes
TS	32.297	Telecommunication management; Charging management;	S5	Yes	2011-	yes

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		Charging Data Record (CDR) file format and transfer			03-23	
TS	32.298	Telecommunication management; Charging management; Charging Data Record (CDR) parameter description	S5	Yes	2011-03-23	yes
TS	32.299	Telecommunication management; Charging management; Diameter charging applications	S5	Yes	2011-03-23	yes
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	S5	Yes	2011-03-23	yes
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.306	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	S5	Yes	2011-03-23	yes
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.316	Telecommunication management; Generic Integration Reference Point (IRP) management; Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.321	Telecommunication management; Test management Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.322	Telecommunication management; Test management Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.326	Telecommunication management; Test management Integration Reference Point (IRP): Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.331	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.332	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.336	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP): Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.341	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.342	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.346	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.351	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.352	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.356	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.361	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.362	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.366	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes

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TS	32.371	Telecommunication management; Security Management concept and requirements	S5	Yes	2011-03-23	yes
TS	32.372	Telecommunication management; Security services for Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.376	Telecommunication management; Security services for Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.381	Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.382	Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.386	Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.391	Telecommunication management; Delta synchronization Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.392	Telecommunication management; Delta synchronization Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.396	Telecommunication management; Delta synchronization Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	S5	Yes	2011-03-23	yes
TS	32.404	Telecommunication management; Performance Management (PM); Performance measurements; Definitions and template	S5	Yes	2011-03-23	yes
TS	32.405	Telecommunication management; Performance Management (PM); Performance measurements; Universal Terrestrial Radio Access Network (UTRAN)	S5	Yes	2011-03-23	yes
TS	32.406	Telecommunication management; Performance Management (PM); Performance measurements; Core Network (CN) Packet Switched (PS) domain	S5	Yes	2011-03-23	yes
TS	32.407	Telecommunication management; Performance Management (PM); Performance measurements; Core Network (CN) Circuit Switched (CS) domain; UMTS and combined UMTS/GSM	S5	Yes	2011-03-23	yes
TS	32.408	Telecommunication management; Performance Management (PM); Performance measurements; Teleservice	S5	Yes	2011-03-23	yes
TS	32.409	Telecommunication management; Performance Management (PM); Performance measurements; IP Multimedia Subsystem (IMS)	S5	Yes	2011-03-23	yes
TS	32.410	Telecommunication management; Key Performance Indicators (KPI) for UMTS and GSM	S5	Yes	2011-03-23	yes
TS	32.411	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	S5	Yes	2011-03-23	yes
TS	32.412	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.416	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.421	Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements	S5	Yes	2011-03-23	yes
TS	32.422	Telecommunication management; Subscriber and equipment trace; Trace control and configuration management	S5	Yes	2011-03-23	yes
TS	32.423	Telecommunication management; Subscriber and equipment trace; Trace data definition and management	S5	Yes	2011-03-23	yes
TS	32.432	Telecommunication management; Performance measurement: File format definition	S5	Yes	2011-03-23	yes
TS	32.435	Telecommunication management; Performance measurement; eXtensible Markup Language (XML) file format	S5	Yes	2011-03-23	yes

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		definition				
TS	32.436	Telecommunication management; Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition	S5	Yes	2011-03-23	yes
TS	32.441	Telecommunication management; Trace Management Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.442	Telecommunication management; Trace Management Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.446	Telecommunication management; Trace Management Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.450	Telecommunication management; Key Performance Indicators (KPI) for Evolved Universal Terrestrial Radio Access Network (E-UTRAN): Definitions	S5	Yes	2011-03-23	yes
TS	32.451	Telecommunication management; Key Performance Indicators (KPI) for Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Requirements	S5	Yes	2011-03-23	yes
TS	32.452	Telecommunication management; Performance Management (PM); Performance measurements Home Node B (HNB) Subsystem (HNS)	S5	Yes	2011-03-23	yes
TS	32.453	Telecommunication management; Performance Management (PM); Performance measurements Home enhanced Node B (HeNB) Subsystem (HeNS)	S5	Yes	2011-03-23	yes
TS	32.454	Telecommunication management; Key Performance Indicators (KPI) for the IP Multimedia Subsystem (IMS); Definitions	S5	Yes	2011-03-23	yes
TS	32.500	Telecommunication management; Self-Organizing Networks (SON); Concepts and requirements	S5	Yes	2011-03-23	yes
TS	32.501	Telecommunication management; Self-configuration of network elements; Concepts and requirements	S5	Yes	2011-03-23	yes
TS	32.502	Telecommunication management; Self-configuration of network elements Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.506	Telecommunication management; Self-configuration of network elements Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.511	Telecommunication management; Automatic Neighbour Relation (ANR) management; Concepts and requirements	S5	Yes	2011-03-23	yes
TS	32.521	Telecommunication management; Self-Organizing Networks (SON) Policy Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.522	Telecommunication management; Self-Organizing Networks (SON) Policy Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.526	Telecommunication management; Self-Organizing Networks (SON); Policy Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.531	Telecommunication management; Software management (SwM); Concepts and Integration Reference Point (IRP) Requirements	S5	Yes	2011-03-23	yes
TS	32.532	Telecommunication management; Software management (SwM); Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.536	Telecommunication management; Software management Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.541	Telecommunication management; Self-Organizing Networks (SON); Self-healing concepts and requirements	S5	Yes	2011-03-23	yes
TS	32.551	Telecommunication management; Energy Saving Management (ESM); Concepts and requirements	S5	Yes	2011-03-23	yes

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TS	32.571	Telecommunication management; Home Node B (HNB) and Home eNode B (HeNB) management; Type 2 interface concepts and requirements	S5	Yes	2011-03-23	yes
TS	32.572	Telecommunication management; Home Node B (HNB) and Home eNode B (HeNB) management; Type 2 interface models and mapping functions	S5	Yes	2011-03-23	yes
TS	32.581	Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Concepts and requirements for Type 1 interface HNB to HNB Management System (HMS)	S5	Yes	2011-03-23	yes
TS	32.582	Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Information model for Type 1 interface HNB to HNB Management System (HMS)	S5	Yes	2011-03-23	yes
TS	32.583	Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); Procedure flows for Type 1 interface HNB to HNB Management System (HMS)	S5	Yes	2011-03-23	yes
TS	32.584	Telecommunication management; Home Node B (HNB) Operations, Administration, Maintenance and Provisioning (OAM&P); XML definitions for Type 1 interface HNB to HNB Management System (HMS)	S5	Yes	2011-03-23	yes
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	S5	Yes	2011-03-23	yes
TS	32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.606	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	S5	Yes	2011-03-23	yes
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.616	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Network Resource Model (NRM)	S5	Yes	2011-03-23	yes
TS	32.626	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP); Network Resource Model (NRM)	S5	Yes	2011-03-23	yes
TS	32.636	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP); Solution Set (SS) Definitions	S5	Yes	2011-03-23	yes

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TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Network Resource Model (NRM)	S5	Yes	2011-03-23	yes
TS	32.646	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.656	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.661	Telecommunication management; Configuration Management (CM); Kernel CM Requirements	S5	Yes	2011-03-23	yes
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.666	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.676	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.690	Telecommunication management; Inventory Management (IM); Requirements	S5	Yes	2011-03-23	yes
TS	32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Requirements	S5	Yes	2011-03-23	yes
TS	32.692	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP); Network Resource Model (NRM)	S5	Yes	2011-03-23	yes
TS	32.696	Telecommunication management; Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.711	Telecommunication management; Configuration Management (CM); Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.712	Telecommunication management; Configuration Management (CM); Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.716	Telecommunication management; Configuration Management (CM); Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.721	Telecommunication management; Configuration Management (CM); Repeater network resources Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.722	Telecommunication management; Configuration Management (CM); Repeater network resources Integration Reference Point (IRP); information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.726	Telecommunication management; Configuration Management (CM); Repeater network resources Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes

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TS	32.731	Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.732	Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.736	Telecommunication management; IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	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	2011-03-23	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	2011-03-23	yes
TS	32.746	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.751	Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.752	Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.756	Telecommunication management; Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) Definitions	S5	Yes	2011-03-23	yes
TS	32.761	Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.762	Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.766	Telecommunication management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.771	Telecommunication management; Home Node B (HNB) Subsystem (HNS); Network Resource Model (NRM); Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.772	Telecommunication management; Home Node B (HNB) Subsystem (HNS); Network Resource Model (NRM); Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.776	Telecommunication management; Home Node B (HNB) Subsystem (HNS); Network Resource Model (NRM); Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-03-23	yes
TS	32.781	Telecommunication management; Home enhanced Node B (HeNB) Subsystem (HeNS); Network Resource Model (NRM); Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.782	Telecommunication management; Home enhanced Node B (HeNB) Subsystem (HeNS); Network Resource Model (NRM); Integration Reference Point (IRP): Information Service (IS)	S5	Yes	2011-03-23	yes
TS	32.786	Telecommunication management; Home enhanced Node B (HeNB) Subsystem (HeNS); Network Resource Model (NRM); Integration Reference Point (IRP); Solution Set (SS)	S5	Yes	2011-03-23	yes

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		definitions				
TS	32.791	Telecommunication management; Common Radio Access Technology (RAT) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements	S5	Yes	2011-03-23	yes
TS	32.792	Telecommunication management; Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)	S5	Yes	2011-06-08	yes
TS	32.796	Telecommunication management; Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions	S5	Yes	2011-06-08	yes
TR	32.825	Telecommunication management; Charging management; Rc reference point study	S5	No	2011-03-23	yes
TR	32.827	Telecommunication management; Integration of device management information with Itf-N	S5	No	2011-03-23	yes
TR	32.828	Telecommunication management; Study on alignment of 3GPP generic Network Resource Model (NRM) Integration Reference Point (IRP) and the TeleManagement Forum (TMF) Shared Information/Data (SID) model	S5	No	2011-03-23	yes
TR	32.829	Telecommunication management; Study on alignment of 3GPP alarm Integration Reference Point (IRP) and TeleManagement Forum (TMF) Interface Program (TIP) fault management	S5	No	2011-03-23	yes
TR	32.831	Telecommunication management; Study on alignment of 3GPP Performance Management (PM) and TeleManagement Forum (TMF) Interface Program (TIP) Performance Management	S5	No	2011-03-23	yes
TR	32.832	Telecommunication management; Study on alarm correlation and alarm root cause analysis	S5	No	2011-03-23	yes
TS	33.102	3G security; Security architecture	S3	Yes	2011-03-23	yes
TS	33.105	3G Security; Cryptographic algorithm requirements	S3	Yes	2011-03-23	yes
TS	33.106	3G security; Lawful interception requirements	S3	Yes	2011-03-23	yes
TS	33.107	3G security; Lawful interception architecture and functions	S3	Yes	2011-03-23	yes
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	S3	Yes	2011-03-23	yes
TS	33.110	Key establishment between a Universal Integrated Circuit Card (UICC) and a terminal	S3	Yes	2011-03-23	yes
TS	33.141	Presence service; Security	S3	Yes	2011-03-23	yes
TS	33.203	3G security; Access security for IP-based services	S3	Yes	2011-03-23	yes
TS	33.204	3G Security; Network Domain Security (NDS); Transaction Capabilities Application Part (TCAP) user security	S3	Yes	2011-03-23	yes
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	S3	Yes	2011-03-23	yes
TS	33.220	Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA)	S3	Yes	2011-03-23	yes
TS	33.221	Generic Authentication Architecture (GAA); Support for subscriber certificates	S3	Yes	2011-03-23	yes
TS	33.222	Generic Authentication Architecture (GAA); Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS)	S3	Yes	2011-03-23	yes
TS	33.223	Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) Push function	S3	Yes	2011-03-23	yes
TS	33.224	Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) push layer	S3	Yes	2011-03-23	yes

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TS	33.234	3G security; Wireless Local Area Network (WLAN) interworking security	S3	Yes	2011-03-23	yes
TS	33.246	3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)	S3	Yes	2011-03-23	yes
TS	33.259	Key establishment between a UICC hosting device and a remote device	S3	Yes	2011-03-23	yes
TS	33.310	Network Domain Security (NDS); Authentication Framework (AF)	S3	Yes	2011-03-23	yes
TS	33.320	Security of Home Node B (HNB) / Home evolved Node B (HeNB)	S3	Yes	2011-03-23	yes
TS	33.328	IP Multimedia Subsystem (IMS) media plane security	S3	Yes	2011-03-23	yes
TS	33.401	3GPP System Architecture Evolution (SAE); Security architecture	S3	Yes	2011-03-23	yes
TS	33.402	3GPP System Architecture Evolution (SAE); Security aspects of non-3GPP accesses	S3	Yes	2011-03-23	yes
TR	33.816	Feasibility study on LTE relay node security	S3	No		
TR	33.828	IP Multimedia Subsystem (IMS) media plane security	S3	No	2012-06-20	yes
TR	33.905	Recommendations for Trusted Open Platforms	S3	Yes	2011-03-23	yes
TR	33.919	3G Security; Generic Authentication Architecture (GAA); System description	S3	Yes	2011-03-23	yes
TR	33.924	Identity management and 3GPP security interworking; Identity management and Generic Authentication Architecture (GAA) interworking	S3	Yes	2011-03-23	yes
TR	33.937	Study of mechanisms for Protection against Unsolicited Communication for IMS (PUCI)	S3	Yes	2011-03-23	yes
TR	33.980	Liberty Alliance and 3GPP security interworking; Interworking of Liberty Alliance Identity Federation Framework (ID-FF), Identity Web Services Framework (ID-WSF) and Generic Authentication Architecture (GAA)	S3	Yes	2011-03-23	yes
TS	34.108	Common test environments for User Equipment (UE); Conformance testing	R5	Yes	2011-12-09	yes
TS	34.109	Terminal logical test interface; Special conformance testing functions	R2	Yes	2011-03-23	yes
TS	34.114	User Equipment (UE) / Mobile Station (MS) Over The Air (OTA) antenna performance; Conformance testing	R5	Yes	2011-12-09	yes
TS	34.121-1	User Equipment (UE) conformance specification; Radio transmission and reception (FDD); Part 1: Conformance specification	R5	Yes	2011-12-09	yes
TS	34.121-2	User Equipment (UE) conformance specification; Radio transmission and reception (FDD); Part 2: Implementation Conformance Statement (ICS)	R5	Yes	2011-12-09	yes
TS	34.122	Terminal conformance specification; Radio transmission and reception (TDD)	R5	Yes	2011-12-09	yes
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	R5	Yes	2012-03-02	yes
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) proforma specification	R5	Yes	2012-03-02	yes
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suite (ATS)	R5	Yes	2012-06-15	yes
TS	34.124	Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment	R4	Yes	2011-03-23	yes
TS	34.131	Test Specification for C-language binding to (Universal) Subscriber Interface Module ((U)SIM) Application Programming Interface (API)	C6	Yes	2011-03-23	yes

Type	Number	Title	WG prime	For publication?	freeze date	frozen
TS	34.171	Terminal conformance specification; Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)	R5	Yes		
TS	34.172	Terminal conformance specification; Assisted Global Navigation Satellite Systems (A-GNSS); Frequency Division Duplex (FDD)	R5	Yes	2011-03-23	yes
TS	34.229-1	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	R5	Yes	2012-12-07	yes
TS	34.229-2	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) specification	R5	Yes	2012-12-07	yes
TS	34.229-3	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 3: Abstract test suite (ATS)	R5	Yes	2013-09-06	yes
TR	34.902	Derivation of test tolerances for multi-cell Radio Resource Management (RRM) conformance tests	R5	Yes		
TR	34.926	Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment	R4	Yes	2011-03-23	yes
TS	35.201	3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specification	S3	Yes	2011-03-23	yes
TS	35.202	3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi specification	S3	Yes	2011-03-23	yes
TS	35.203	3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	S3	Yes	2011-03-23	yes
TS	35.204	3G Security; Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	S3	Yes	2011-03-23	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	2011-03-23	yes
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	S3	Yes	2011-03-23	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	2011-03-23	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	2011-03-23	yes
TS	35.215	Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 1: UEA2 and UIA2 specifications	S3	Yes	2011-03-23	yes
TS	35.216	Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 2: SNOW 3G specification	S3	Yes	2011-03-23	yes
TS	35.217	Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 3: Implementors' test data	S3	Yes	2011-03-23	yes
TS	35.218	Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 4: Design conformance test data	S3	Yes	2011-03-23	yes

Type	Number	Title	WG prime	For publication?	freeze date	frozen
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	2011-03-23	yes
TR	35.919	Specification of the 3GPP Confidentiality and Integrity Algorithms UEA2 & UIA2; Document 5: Design and evaluation report	S3	Yes	2011-03-23	yes
TS	37.104	E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception	R4	Yes	2011-03-23	yes
TS	37.113	E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC)	R4	Yes	2011-03-23	yes
TS	37.141	E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing	R4	Yes	2011-03-23	yes
TS	37.320	Universal Terrestrial Radio Access (UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRA); Radio measurement collection for Minimization of Drive Tests (MDT); Overall description; Stage 2	R2	Yes	2011-03-23	yes
TS	37.571-1	Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 1: Conformance test specification	R5	Yes	2012-06-15	yes
TS	37.571-2	Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance	R5	Yes	2012-06-15	yes
TS	37.571-3	Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 3: Implementation Conformance Statement (ICS)	R5	Yes	2012-06-15	yes
TS	37.571-4	Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 4: Test suites	R5	Yes	2012-06-15	yes
TS	37.571-5	Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification for UE positioning; Part 5: Test scenarios and assistance data	R5	Yes	2012-06-15	yes
TR	37.801	UMTS-LTE 3500 MHz Work Item Technical Repor	R4	No	2011-09-16	yes
TR	37.802	Multi-standard radio Base Station (BS) Radio Frequency (RF) requirements for non-contiguous spectrum deployments	R4	No	2011-06-03	yes
TR	37.900	Radio Frequency (RF) requirements for Multicarrier and Multiple Radio Access Technology (Multi-RAT) Base Station (BS)	R4	Yes	2011-03-23	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
SP-28	6.1.0	031 r1	SP-050356	6.2.0	Corrections to list of specifications
SP-29	6.2.0	032	SP-050470		Change instances of Release 5 to Release 6
		033	SP-050462	6.3.0	Corrections to list of specifications
SP-30	6.3.0	034 r1	SP-050845	6.4.0	Corrections to list of specifications
post SP-31	6.4.0			6.4.1	Correction to title of reference to 21.900. Correction to spec list table entries for 23.125 and 32.251 to show that the *are* intended for SDO publication.
post SP-31	6.4.1			6.4.2	Corrects cover date.
SP-34	6.4.2	038	SP-060901	6.5.0	Correction to list of Specs and minor editorials
SP-35	6.5.0	038	SP-070188	6.6.0	Corrections to list of specifications
SP-36	6.6.0	041	SP-070344	6.7.0	Corrections to list of specifications
SP-37	6.7.0	042	SP-070519	7.0.0	Upgrade to Rel-7
SP-38	7.0.0	047	SP-070770		Corrections to list of specifications
		052		7.1.0	Update of informative text
SP-40	7.1.0	053	SP-080435	7.2.0	Corrections to list of specifications
SP-42	7.2.0	054 r1	SP-080722	7.3.0	Corrections to list of specifications
SP-43	7.3.0	057 r1	SP-090033	8.0.0	List of Rel-8 specifications
SP-44	8.0.0	058 r1	SP-090382	8.1.0	Corrections to list of specifications
SP-46	8.1.0	064 r1	SP-090695	8.2.0	Corrections to list of specifications
SP-47	8.2.0	065	SP-100012	9.0.0	Update list of specs
SP-51	9.0.0			10.0.0	Automatic upgrade on freezing Release
SP-52	10.0.0	068	SP-110298	10.1.0	Corrections to list of specifications
SP-55	10.1.0	071 r1	SP-120114	10.2.0	Changes to list of Specs: UTRAN systems

| SP-59 | 10.2.0 | 072 | SP-130155 | 10.3.0 | Update list of specs |
| SP-64 | 10.3.0 | 074 | SP-140200 | 10.4.0 | Update to list of specs |

History

Document history		
V10.0.0	April 2011	Publication
V10.1.0	July 2011	Publication
V10.2.0	March 2012	Publication
V10.3.0	April 2013	Publication
V10.4.0	July 2014	Publication