3GPP TSG-SA Meeting #16

replaces SP-020272

Marco Island, USA, June 2002

			(CHAI	NGE	REQ	UE	ST					CR-Form-v5.1
*	01	1.01	CR	007	8	⊭ rev	1	ж	Curre	ent ver	sion:	8.5.0	ж
For <u>HELP</u> on us	sing t	his foi	m, see	e bottom	of this	page or	look	at the	e pop-	up tex	t ove	r the ₩ sy	mbols.
Proposed change a	affect	s: #	(U)	SIM	ME/U	JE	Rad	io Ac	cess l	Netwo	rk X	Core N	etwork X
Title: ₩	Cor	rectio	n to list	t of spec	cification	ns							
Source: #	MC	C (<mark>Sp</mark>	ecifica	tions Ma	anager)								
Work item code: 	TEI								D	ate: 3	€ 11	/06/2002	
Reason for change Summary of change	Detail be for	F (corr A (corr B (add C (fund D (edi led ex und in To re Dele Adds Adds Adds Dele Adds Adds	rection) respondition of ctional modal and ctorial and ctori	owing can ds to a co f feature), modification odification odification odification odification odification odification of the TR 21.90 SG dec .32: repla .35: repla correction : fills gas .073: repla .073: repla .073: repla .073: repla .073: repla .073: repla .074: equiv	isions s aced by	in an ea ature) categorie ince las (22.032 (23.035 73. lease ve 32. by 03.73	s can	ary s.	Use 2 1 1 1 1 1	2 R96 R97 R98 R99 REL-4 REL-5	of the f (GS (Rei (Rei (Rei (Rei (Rei	following re M Phase 2 lease 1996, lease 1997, lease 1998, lease 4) lease 5))))
Consequences if not approved:	Ж	Conf	usion (over wh	ich spec	s comp	rise tl	ne sy	/stem /	/ relea	ise.		
Clauses affected:	ж	6											
Other specs affected:	*	Te	est spe	ore spec ecificatio ecificati	ns	s ¥							
Other comments:	Ж												

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked **%** contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3)	With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

6 Specifications and Reports

Specifications in the range 01.xx to 12.xx are 'pure' GSM specs - that is, those only required to build systems which are based on 3GPP specifications and which use a GSM/EDGE Radio Access Network (GERAN). Specifications in the range 21.xxx to 35.xxx are common to systems which are based on 3GPP specifications, and which use either a GSM/EDGE radio access network or a UTRA Radio Access Network (UTRAN) (or both).

Number	Title	WG prime
01.01	GSM Release 1999 Specifications	SP
01.04	Abbreviations and acronyms	GP
01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	S3
01.33	Lawful Interception requirements for GSM	S3
01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	S3
02.09	Security aspects	S3
02.17	Subscriber Identity Module (SIM); Functional characteristics	T3
02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	T3
02.31	Fraud Information Gathering System (FIGS); Service description; Stage 1	S3
02.32	Immediate Service Termination (IST); Service description; Stage 1	\$3
02.33	Lawful Interception (LI); Stage 1	S3
02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1	S1
02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	T3
02.53	Tandem Free Operation (TFO); Service description; Stage 1	S4
02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	S1
02.68	Voice Group Call Service (VGCS); Stage 1	S1
02.69	Voice Broadcast Service (VBS); Stage 1	S1
02.76	Noise Suppression for the AMR	S4
02.94	Follow Me Service description; Stage 1	S1
02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1	S1
03.05	Technical performance objectives	NP
03.10	GSM Public Land Mobile Network (PLMN) Connection Types	N3
03.10	Discontinuous Reception (DRX) in the GSM System	G1
03.19	GSM API for SIM toolkit stage 2	T3
03.19	Security-related Network Functions	S3
03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode	G1
03.26	Multiband operation of GSM/DCS 1800 by a single operator	G1
03.30	Radio Network Planning Aspects	GP
03.31	Fraud Information Gathering System (FIGS); Service description; Stage 2	S3
03.33	Lawful Interception; Stage 2	S3
03.35 03.35	Immediate Service Termination (IST); Stage 2	\$3
03.45	Technical Realization of Facsimile Group 3 Service - transparent	N3
03.46	·	
03.48	Technical Realization of Facsimile Group 3 Service - non transparent	N3 T3
03.40	Security mechanisms for SIM application toolkit; Stage 2 Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network	S4
03.52	(PLMN) System Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	G1
		S4
03.53	Tandem Free Operation (TFO); Service description; Stage 2	G1
03.55	Dual Transfer Mode (DTM); Stage 2 Characterization, test methods and quality assessment for handsfree Mobile Stations (MSs)	
03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	S4
03.64	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	G1 N1
03.68	Voice Group Call Service (VGCS); Stage 2	
03.69	Voice Broadcast service (VBS); Stage 2	N1
03.71	Location Services (LCS); Functional description; Stage 2	S2
03.73	Support of Localised Service Area (SoLSA); Stage 2 Mehille Station - Reco Station System (MS - RSS) Interface Concret Appears and Principles	<u>N4</u>
04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	N1
04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	G2
04.04	Layer 1 - General Requirements	G2
04.05	Data Link (DL) Layer General Aspects	G2
04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	G2

Number	Title	WG prime
04.08	Mobile radio interface layer 3 specification	N1
04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	G2
04.13	Performance Requirements on Mobile Radio Interface	N1
04.14	Individual equipment type requirements and interworking; Special conformance testing functions	G2
04.18	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	G2
04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3
04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	G2
04.35	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	G2
04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	N1
04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	N1
04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	N1
04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	N1
04.68	Group Call Control (GCC) Protocol	N1
04.69	Broadcast Call Control (BCC) protocol	N1
04.71	Location Services (LCS); Mobile radio interface layer 3 specification	G2
05.01	Physical Layer on the Radio Path (General Description)	G1
05.02	Multiplexing and Multiple Access on the Radio Path	G1
05.03	Channel coding	G1
05.04	Modulation	G1
05.05	Radio Transmission and Reception	G1
05.08	Radio Subsystem Link Control	G1
05.09	Link adaptation	G1
05.10	Radio subsystem synchronization	G1
05.22	Radio link management in hierarchical networks	G1
05.50	Background for RF Requirements	G1
05.56	CTS-FP Radio Sub-system	G1
06.01	Full Rate Speech Processing Functions	S4
06.02	Half Rate Speech Processing Functions	S4
06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	S4
06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	S4
06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	S4
06.10	Full Rate Speech Transcoding	S4
06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	S4
06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	S4
06.20	Half Rate Speech Transcoding	S4
06.21	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	S4
06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	S4
06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	S4
06.32	Voice Activity Detection (VAD)	S4
06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	S4
06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	S4 S4
06.51 06.53	GSM Enhanced full rate speech processing functions: General description ANSI-C code for the GSM Enhanced full rate speech codec	S4
06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	S4
06.55	Performance characterisation of the GSM EFR Speech Codec	S4
06.60	Enhanced full rate speech transcoding	S4
06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels	S4
06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	S4
06.62	Adaptive Multi-Rate (AMR) speech codec; Study phase report	S4
06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	S4
06.77	Results of the AMR noise suppression selection phase	S4
06.76	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	S4
06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	S4
06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and	S4
00.00	tandem free operation	J-1

08.02 E 08.04 E 08.06 S		WG prime
08.02 E 08.04 E 08.06 S	General Aspects on the BSS-MSC Interface	G2
08.06	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	G2
08.06	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	G2
5	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	G2
	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2
08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	G2
08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	G2
08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3
	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	G2
	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	G2
	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	G2
	BSC-BTS Layer 1; Structure of Physical Circuits	G2
	BSC-BTS Layer 2; Specification	G2
	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	G2
08.60 I	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	G1
	In-band control of remote transcoders and rate adaptors for half rate traffic channels	G1
	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	S4
08.71 L	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	G2
	General Network Interworking Scenarios	N4
	Application of the Base Station System Application Part (BSSAP) on the E-Interface	N1
	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	G2
	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	S2
	Project scheduling and open issues for EDGE	G1
	Mobile station (MS) conformance specification; Part1: Conformance specification	G5
	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	T3
11.14	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
	Base Station System (BSS) equipment specification; Radio aspects	G3
	GSM Repeater Equipment Specification	G3
	Security Management	S5
	Performance data measurements	S5
	Network Management (NM) procedures and messages on the A-bis interface	<u>G3</u>
	Location Services (LCS); Location services management	S5
	Feasibility Technical Report – CAMEL Control of VoIP Services	N2
	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	S1
	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	S1
	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1
	General on Supplementary Services	S1
	Service accessibility	S1
	International Mobile Equipment Identities (IMEI)	S1
	Personalisation of Mobile Equipment (ME); Mobile functionality specification	S3
	Description of Charge Advice Information (CAI)	S1
	Man-Machine Interface (MMI) of the User Equipment (UE)	S1
	Immediate Service Termination (IST); Service description; Stage 1	<u>S3</u>
22 032	High Speed Circuit Switched Data (HSCSD); Stage 1	S1
	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1
22.034 H		
22.034 H 22.038 U	Operator Determined Call Barring	151
22.034 H 22.038 U 22.041 (Operator Determined Call Barring Network Identity and Time Zone (NITZ) service description: Stage 1	S1
22.034 H 22.038 U 22.041 C 22.042 N	Network Identity and Time Zone (NITZ) service description; Stage 1	S1
22.034 H 22.038 U 22.041 C 22.042 M 22.057 M	Network Identity and Time Zone (NITZ) service description; Stage 1 Mobile Execution Environment (MExE) service description; Stage 1	S1 S1
22.034 H 22.038 U 22.041 C 22.042 N 22.057 M 22.060 C	Network Identity and Time Zone (NITZ) service description; Stage 1 Mobile Execution Environment (MExE) service description; Stage 1 General Packet Radio Service (GPRS); Service description; Stage 1	S1 S1 S1
22.034 H 22.038 U 22.041 C 22.042 M 22.057 M 22.060 C 22.066 S	Network Identity and Time Zone (NITZ) service description; Stage 1 Mobile Execution Environment (MExE) service description; Stage 1	S1 S1

22.079 Support of optimal routing. Stage 1 22.081 Line Identification supplementary services: Stage 1 22.082 Call Forwarding (CF) Supplementary services: Stage 1 22.083 Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1 22.084 Multiparty (MPT') supplementary services: Stage 1 22.085 Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1 22.086 Avice of Charge (AcQ) supplementary services; Stage 1 22.087 Closed User Group (CUG) supplementary services; Stage 1 22.088 Call Service of Charge (AcQ) supplementary services; Stage 1 22.089 Call Service of Charge (AcQ) supplementary services; Stage 1 22.080 Call Service of Charge (AcQ) supplementary services; Stage 1 22.081 User-to-user signalling (UUS); Stage 1 22.082 Call Service of Charge (AcQ) supplementary services; Stage 1 22.083 Call Service of Charge (AcQ) supplementary services; Stage 1 22.084 Line Service description (Calls to Susy Subscriber (CCBS); Service description, Stage 1 22.085 Call Service description - Stage 1 22.086 Avice Service description - Stage 1 22.087 Stage Service description - Stage 1 22.088 Call Service description - Stage 1 22.089 Call Service Septest Service Service description - Stage 1 22.091 Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1 22.193 Service aspects; The Virtual Home Environment; Stage 1 22.194 Service Aspects Charging and billing 22.195 Service aspects; The Virtual Home Environment; Stage 1 23.000 Network Architecture 23.000 Network Architecture 23.001 Service Aspects Charging and billing 23.001 Network Architecture 23.002 Network Architecture 23.003 Service Ser	Number	Title	WG prime
Support of optimal routeing. Stage 1 22.081 Line Identification supplementary services, Stage 1 22.082 22.083 Call Forwarding (CF) Supplementary Services, Stage 1 S1 22.084 MultiParty (MPTY) supplementary services, Stage 1 S2.085 MultiParty (MPTY) supplementary services; Stage 1 S2.086 Advice of Charge (AcC) supplementary services: Stage 1 S2.087 Liseri-o-user stignalling (UUS); Stage 1 S2.088 Liseri-o-user stignalling (UUS); Stage 1 S2.089 Liseri-o-user stignalling (UUS); Stage 1 S2.080 Liseri-o-user stignalling (UUS); Stage 1 S2.081 Liseri-o-user stignalling (UUS); Stage 1 S2.082 S2.081 Liseri-o-user stignalling (UUS); Stage 1 S2.082 Salve (CET) supplementary services; Stage 1 S3.082 Salve (CET) supplementary services; Stage 1 S4.082 Salve (CET) supplementary services; Stage 1 S5.082 Salve (CET) supplementary services; Stage 1 S6.083 Stage 1 S7.094 Salve (CET) supplementary services (Stage 1 S6.095 Stage 1 S7.094 Salve (CET) supplementary services (Stage 1 S7.094 Salve (CET) supplementary services (Stage 1 S7.094 Salve (CET) supplementary services (Stage 1 S7.095 Salve (CET) supplementary services (Stage 1 S7.095 Salve (CET) supplementary services (Stage 1 S7.097 Salve (CET) supplementary services (Stage 2 S7.097 Salve (CET) supplementary services (Stage 2 S7.097 Salve (CET) supplementary services (Stage 2 S7.097 Salve (CET) supplementary services (S	22.072	Call Deflection (CD); Stage 1	S1
Line Identification supplementary services; Stage 1 S1	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	
22.082 Call Forwarding (CF) Supplementary Services; Stage 1 22.083 Call Walting (CW) and Call Hold (HDLD) supplementary services; Stage 1 22.084 MultiParty (MPTY) supplementary services; Stage 1 22.085 Closed User Group (CMG) supplementary services; Stage 1 22.086 Advice of Charge (AcC) supplementary services; Stage 1 22.087 User-to-user signalling (UUS); Stage 1 22.088 Call Barring (CB) supplementary services; Stage 1 22.089 Call Barring (CB) supplementary services; Stage 1 22.080 Call Barring (CB) supplementary services; Stage 1 22.081 Explicit Call Transfer (ECT) supplementary service; Stage 1 22.082 Call Barring (CB) supplementary service; Stage 1 22.083 Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1 22.094 Follow Me service description - Stage 1 22.095 Value Me service description - Stage 1 22.096 Name identification supplementary services; Stage 1 22.097 Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1 22.198 Follow Me service description - Stage 1 22.199 Service Aspects Charging and billing 2 22.191 Service aspects: The Virtual Home Environment; Stage 1 22.192 Handover requirements between UTRAN and GERAN or other radio systems 2 23.002 Network Architecture 2 23.003 Numbering, Addressing and Identification 4 23.007 Restoration procedures 4 23.008 Organisation of subscriber data 4 23.009 Handover procedures 4 23.009 Handover procedures 4 23.001 Handover procedures 5 24.002 Handover procedures 6 24.003 Handover procedures 7 25.003 Handover procedures 7 26.003 Handover procedures 7 26.004 Handover procedures 8 26.004 Handover procedures 8 26.005 Handover procedures 8 26.006 Handover procedures 8 26.007 Handover procedures 9 26.007 Handover procedures 9 26.008 Handover procedures 9 26.009 Handover pr		11 1 9	
Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1 S1	22.081		S1
MultiParty (MPTY) supplementary services; Stage 1 S1	22.082		S1
Closed User Group (CUG) supplementary services; Stage 1 S1	22.083		
Advice of Charge (AcC) supplementary services; Stage 1 S1	22.084		
User-to-user signalling (UUS); Stage 1 S1			
Call Barring (CB) supplementary services; Stage 1 S1			
22.090 Unstructured Supplementary Service Data (USSD); Stage 1 Explicit Call Transfer (ECT) supplementary service; Stage 1 S1 22.093 Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1 S1 22.094 Namic identification supplementary services; Stage 1 S1 22.095 Namic identification supplementary services; Stage 1 S1 22.096 Namic identification supplementary services; Stage 1 S1 22.097 Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1 S1 22.098 In Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1 S1 22.191 Service Aspects Charging and billing S1 22.115 Service Aspects Charging and billing S1 22.121 Service aspects; The Virtual Home Environment; Stage 1 Handover requirements between UTRAN and GERAN or other radio systems S1 22.129 Handover requirements between UTRAN and GERAN or other radio systems S1 23.000 White Management Stage 1 S1 23.001 Numbering, Addressing and Identification N4 23.007 Restoration procedures N4 23.008 Organisation of subscriber data N4 23.009 Handover procedures N4 1 Handover procedures N4 1 Handover procedures N4 1 Support of Dual Tone Multi Frequency (DTMF) signalling N1 23.011 Location management procedures N4 23.015 Technical realization of Operator Determined Barring (ODB) N4 23.016 Subscriber data management; Stage 2 N4 23.017 Basic Call Handling; Technical realization N4 23.018 Basic Call Handling; Technical realization N4 23.039 High Speed Circuit Switched Data (HSCSD); Stage 2 N4			
Explicit Call Transfer (ECT) supplementary service; Stage 1 S1			
22.094 Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1 22.095 Name identification supplementary services; Stage 1 22.096 Name identification supplementary services; Stage 1 22.097 Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1 22.098 Stage 1 22.098 Name identification supplementary services; Stage 1 22.099 Stage 21.15 Service Aspects Charging and Billing 23.115 Service Aspects Charging and Billing 22.121 Service Aspects Charging and Billing 22.121.29 Handwover requirements between UTRAN and GERAN or other radio systems 21.29.45 Study of provision of fax service in GSM and UMTS 22.945 Study of provision of fax service in GSM and UMTS 23.003 Numbering, Addressing and Identification 24.008 Organisation of subscriber data 23.009 Organisation of subscriber data 23.009 Organisation of Subscriber data 23.001 Handwore procedures 23.011 Technical realization of Supplementary Services 23.012 Location management procedures 23.014 Support of Dual Tone Multi Frequency (DTMF) signalling 23.015 Technical realization of Operator Determined Barring (ODB) 23.016 Subscriber data management; Stage 2 23.018 Saic Call Handling; Technical realization 24.019 Subscriber data management; Stage 2 24.019 Universal Geographical Area Description (GAD) 25.02 26.030 Alphabets and language-specific information 27.030 Frechnical realization of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) 28.040 Technical realization of CMP Broadcast Service (SMS) 29.040 Technical realization of CMP Broadcast Service (SMS) 20.041 Technical realization of CMP Broadcast Service (SMS) 20.041 Technical realization of CMP Broadcast Service (SMS) 20.041 Technical realization of CMP Broadcast Ser			
Follow Me service description - Stage 1 S1			
22.095 Name identification supplementary services; Stage 1 S1 22.197 Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1 S1 22.115 Service Aspects Charging and billing S1 22.117 Service Aspects Charging and billing S1 22.129 Handover requirements between UTRAN and GERAN or other radio systems S1 22.945 Study of provision of fax service in GSM and UMTS T2 23.002 Network Architecture S2 23.003 Numbering, Addressing and Identification N4 23.007 Restoration procedures N4 23.008 Organisation of Subscriber data N4 23.009 Organisation of Subscriber data N4 23.009 Gyanisation of Subscriber data N4 23.0101 Technical realization of Supplementary Services N4 23.011 Technical realization of Supplementary Services N4 23.012 Location management procedures N4 23.015 Technical realization of Operator Determined Barring (ODB) N4 23.016 Subscriber data management; Stage 2 N4 23.018 Basic Call Handling; Technical realization N4 23.019 Universal Geographical Area Description (GAD) S2 23.010 Alphabets and language-specific information T2 23.011 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short 23.014 High Speed Circuit Switched Data (HSCSD); Stage 2 N1 23.015 Technical realization of CUB Broadcast Service (CBS) T2 23.016 Compression algorithm for SMS T2 23.017 Technical realization of CUB Broadcast Service (CBS) T2 23.020 Technical realization of CUB Broadcast Service (CBS) T2 23.020 Technical realization of CUB Broadcast Service (CBS) T2 23.021 Technical realization of CUB Broadcast Service (CBS) T2 23.022 Compression algorithm for SMS T2 23.023 Technical realization of CUB Broadcast Service (CBS) T2 23.026 Cantonical Realization of CUB Broadcast Service (CBS) T2 23.027 Support of Decales Cantonical Service (CBS) T2 23.028 Call Beflection Supplementary Service; Stage 2 N4 23.029			
Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1 S1			
22.115 Service Aspects Charging and billing 22.127 Service aspects; The Virtual Home Environment; Stage 1 22.128 Handover requirements between UTRAN and GERAN or other radio systems 31 22.129 Handover requirements between UTRAN and GERAN or other radio systems 31 22.945 Study of provision of fax service in GSM and UMTS 32.002 Numbering, Addressing and Identification 32.007 Numbering, Addressing and Identification 32.008 Organisation of subscriber data 32.009 Handover procedures 32.009 Handover procedures 32.001 Location management procedures 32.001 Location management procedures 32.001 Location management procedures 32.002 Location management procedures 32.001 Technical realization of Supplementary Services 32.001 Location management procedures 32.002 Universal Facility of Dual Tone Multi Frequency (DTMF) signalling 32.003 Universal Geographical Area Description (GAD) 32.004 Subscriber data management; Stage 2 32.005 Universal Geographical Area Description (GAD) 32.007 Universal Geographical Area Description (GAD) 32.008 Injudy Speed Circuit Switched Data (HSCSD); Stage 2 32.009 High Speed Circuit Switched Data (HSCSD); Stage 2 32.009 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) 32.000 Technical realization of Cell Broadcast Service (CBS) 32.001 Technical realization of Cell Broadcast Service (CBS) 32.002 Universal Geographical Area of Service (GPRS) 32.003 Support of GSM Mobile Number Portability (MMP) stage 2 32.006 Support of GSM Mobile Number Portability (MMP) stage 2 32.007 Support of GSM Mobile Number Portability (MMP) stage 2 32.007 Support of Charge (GPRS) Service description; Stage 2 32.008 Ceneral Packet Radio Service (GPRS) Service (EMLPP); Stage 2 32.009 Support of Charge (GPRS) Supplementary Service; Stage 2 32.009 Support of Charge (Apc) Supplementary Service; Stage 2 32.009 Support of Charge (Apc) Supplementary Service; Stage 2 32.009 Support of Localised Service Area (SoLSA); Stage 2 32.009 Support of Localised Service Area (SoL			
Service aspects; The Virtual Home Environment; Stage 1			
Part			
Study of provision of fax service in GSM and UMTS S2			
23.002 Network Architecture S2 23.003 Numbering, Addressing and Identification N4 23.007 Restoration procedures N4 23.008 Organisation of subscriber data N4 23.009 Handover procedures N1 23.011 Technical realization of Supplementary Services N4 23.012 Location management procedures N4 23.014 Support of Dual Tone Multi Frequency (DTMF) signalling N1 23.015 Technical realisation of Operator Determined Barring (ODB) N4 23.016 Subscriber data management; Stage 2 23.018 Basic Call Handling; Technical realization (ADD) S2 23.019 Universal Geographical Area Description (GAD) S2 23.030 Universal Geographical Area Description (GAD) S2 23.031 High Speed Circuit Switched Data (HSCSD); Stage 2 23.032 Universal Geographical Area Description (GAD) S2 23.033 Alphabets and language-specific information T2 23.039 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) 23.040 Technical realization of Cell Broadcast Service (GBS) T2 23.041 Technical realization of Cell Broadcast Service (CBS) T2 23.042 Compression algorithm for SMS T2 23.043 General Packet Radio Service (GPRS) Service description; Stage 2 23.064 General Packet Radio Service (GPRS) Service description; Stage 2 23.065 Support of GSM Mobile Number Portability (MNP) stage 2 23.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2 23.073 Support of Optimal Routeing (SOR); Technical realization; Stage 2 23.074 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 23.075 Number of Optimal Routeing (SOR); Technical realization; Stage 2 23.076 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 23.077 Support of Corginal Routeing (SOR); Technical realization; Stage 2 3.078 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 3.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 3.084 MultiParty (MPTY) Supplementary Service; Stage 2 3.085 Call Barring (CB) Supplementary Service; Stage 2 3.086 Advice of Charge (Ac			
Restoration procedures N4			
23.007 Restoration procedures Organisation of subscriber data Alandover procedures N1 Alandover procedures N4 Alandover proced			
23.008 Organisation of subscriber data 23.009 Handover procedures N1 23.011 Technical realization of Supplementary Services N4 23.012 Location management procedures N4 23.014 Support of Dual Tone Multi Frequency (DTMF) signalling N1 23.015 Technical realisation of Operator Determined Barring (ODB) N4 23.016 Subscriber data management; Stage 2 N4 23.018 Basic Call Handling; Technical realization N4 23.032 Universal Geographical Area Description (GAD) S2 23.032 Universal Geographical Area Description (GAD) S2 23.0334 High Speed Circuit Switched Data (HSCSD); Stage 2 N1 23.039 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) T2 23.040 Technical realization of Cell Broadcast Service (GBS) T2 23.041 Technical realization of Cell Broadcast Service (CBS) T2 23.042 Compression algorithm for SMS T2 23.043 Organization of Gell Broadcast Service (CBS) T2 23.044 Technical realization of Cell Broadcast Service (CBS) T2 23.045 Mobile Execution Environment (MExE); Functional description; Stage 2 T2 23.060 General Packet Radio Service (GPRS) Service description; Stage 2 T2 23.060 Support of GSM Mobile Number Portability (MNP) stage 2 T2 23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.074 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 N4 23.081 Line Identification supplementary Service; Stage 2 N4 23.082 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.087 Line Identification Supplementary Service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.089 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.089 Call Barring (CB) Supplemen			
23.009 Handover procedures N1			
23.011 Technical realization of Supplementary Services N4 23.012 Location management procedures N4 23.015 Location management procedures N4 23.016 Support of Dual Tone Multi Frequency (DTMF) signalling N1 23.015 Technical realisation of Operator Determined Barring (ODB) N4 23.016 Subscriber data management; Stage 2 N4 23.018 Basic Call Handling; Technical realization N4 23.019 Masic Call Handling; Technical realization N4 23.032 Universal Geographical Area Description (GAD) S2 23.034 High Speed Circuit Switched Data (HSCSD); Stage 2 N1 23.039 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) T2 23.039 Interface Protocols for the Connection of Short Message Service (SMS) T2 23.040 Technical realization of Short Message Service (SMS) T2 23.041 Technical realization of Short Message Service (CBS) T2 23.042 Compression algorithm for SMS T2 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2 23.066 Support of GSM Mobile Number Portability (MNP) stage 2 S2 23.066 Support of GSM Mobile Number Portability (MNP) stage 2 N4 23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.074 Support of Localised Service Area (SoLSA); Stage 2 N4 23.075 Support of Localised Service Area (SoLSA); Stage 2 N4 23.076 Call Deflection supplementary Service; Stage 2 N4 23.077 Support of Optimal Routeing (SOR); Technical realization; Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.086 Call Barring (CB) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary Service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; S			
23.012 Location management procedures N4 23.014 Support of Dual Tone Multi Frequency (DTMF) signalling N1 23.015 Technical realisation of Operator Determined Barring (ODB) N4 23.016 Subscriber data management; Stage 2 N4 23.018 Basic Call Handling; Technical realization N4 23.032 Universal Geographical Area Description (GAD) S2 23.034 High Speed Circuit Switched Data (HSCSD); Stage 2 N1 23.038 Alphabets and language-specific information T2 23.039 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) 23.040 Technical realization of Short Message Service (SMS) T2 23.041 Technical realization of Cell Broadcast Service (CBS) T2 23.042 Compression algorithm for SMS T2 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2 23.066 General Packet Radio Service (GPRS) Service description; Stage 2 23.067 Support of GSM Mobile Number Portability (MNP) stage 2 23.068 Support of GSM Mobile Number Portability (MNP) stage 2 23.072 Call Deflection Supplementary Service; Stage 2 3.073 Support of Localised Service Area (SoLSA); Stage 2 3.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 3.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 3.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Service; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Colsoed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AcC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary Service; Stage 2 N4 23.088 Call Barring (CF) Supplementary Service; Stage 2 N4 23.089 Unstructured Supplementary Service; Stage 2 N4 23.089 Unstructured Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service; Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23			
23.014 Support of Dual Tone Multi Frequency (DTMF) signalling 23.015 Technical realisation of Operator Determined Barring (ODB) N4 23.016 Subscriber data management; Stage 2 N4 23.018 Basic Call Handling; Technical realization N4 23.032 Universal Geographical Area Description (GAD) S2 23.034 High Speed Circuit Switched Data (HSCSD); Stage 2 N1 23.038 Alphabets and language-specific information T2 23.039 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) Technical realization of Short Message Service (CBS) Technical realization of Cell Broadcast Service (CBS) T2 23.041 Technical realization of Cell Broadcast Service (CBS) T2 23.042 Compression algorithm for SMS T2 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2 T2 23.060 General Packet Radio Service (GPRS) Service description; Stage 2 T2 23.061 Support of GSM Mobile Number Portability (MNP) stage 2 T2 23.062 Call Deflection Supplementary Service; Stage 2 N4 23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.074 Support of Localised Service Area (SoLSA); Stage 2 N4 23.075 Support of Localised Service Area (SoLSA); Stage 2 N4 23.076 Catomised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 N4 23.077 Support of Optimal Routeing (SOR); Technical realization; Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Service; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Call Barring (CB) Supplementary Service; Stage 2 N4 23.086 Call Barring (CB) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary Service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.089 User-to-User Signalling (UUS) supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD);			
23.015 Technical realisation of Operator Determined Barring (ODB) N4 23.016 Subscriber data management; Stage 2 N4 23.018 Basic Call Handling; Technical realization N4 23.032 Universal Geographical Area Description (GAD) S2 23.034 High Speed Circuit Switched Data (HSCSD); Stage 2 N1 23.038 Alphabets and language-specific information Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) T2 23.039 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) T2 23.040 Technical realization of Short Message Service (CBS) T2 23.041 Technical realization of Cell Broadcast Service (CBS) T2 23.042 Compression algorithm for SMS T2 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2 T2 23.060 General Packet Radio Service (GPRS) Service description; Stage 2 Support of GSM Mobile Number Portability (MNP) stage 2 N4 23.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2 N4 23.073 Call Deflection Supplementary Service; Stage 2 N4 23.074 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 N4 23.075 Support of Optimal Routeing (SOR); Technical realization; Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary Service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.089 Call Barring (CB) Supplementary Service; Stage 2 N4 23.080 Call Barring (CB) Supplementary Service; Stage 2 N4 23.081 Call Barring (CB) Supplementary Service; Stage 2 N4 23.082 Call Barring (CB) Supplementary Service; Stage 2 N4 23.084 Call Barring (CB) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086			
23.016 Subscriber data management; Stage 2 23.018 Basic Call Handling; Technical realization N4 23.018 Universal Geographical Area Description (GAD) S2 23.032 Universal Geographical Area Description (GAD) High Speed Circuit Switched Data (HSCSD); Stage 2 N1 23.038 Alphabets and language-specific information T2 23.039 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) T2 23.040 Technical realization of Short Message Service (SMS) T2 23.041 Technical realization of Cell Broadcast Service (CBS) T2 23.042 Compression algorithm for SMS T2 23.057 Mobile Execution Environment (MEXE); Functional description; Stage 2 T2 23.060 General Packet Radio Service (GPRS) Service description; Stage 2 S2 23.066 Support of GSM Mobile Number Portability (MNP) stage 2 S2 3.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2 N4 23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Service; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Call Barring (CB) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary Service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.089 Line Identification of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.090 Unstructured Supplementary Service; Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2			
23.018 Basic Call Handling; Technical realization N4 23.032 Universal Geographical Area Description (GAD) S2 23.034 High Speed Circuit Switched Data (HSCSD); Stage 2 Alphabets and language-specific information Iterface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) Iterchnical realization of Short Message Service (SMS) T2 23.040 Technical realization of Short Message Service (CBS) T2 23.041 Technical realization of Cell Broadcast Service (CBS) T2 23.042 Compression algorithm for SMS T2 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2 T2 23.060 General Packet Radio Service (GPRS) Service description; Stage 2 Support of GSM Mobile Number Portability (MNP) stage 2 Support of GSM Mobile Number Portability (MNP) stage 2 N4 23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.074 Line Identification supplementary Service; Stage 2 N4 23.085 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.086 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.087 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.088 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary Service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.089 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service; Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 23.095 Name Identification Supplementary Service; Stage 2			
23.032 Universal Geographical Area Description (GAD) 23.034 High Speed Circuit Switched Data (HSCSD); Stage 2 23.034 Alphabets and language-specific information T2 23.038 Alphabets and language-specific information T2 23.039 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) T2 23.040 Technical realization of Short Message Service (SMS) T2 23.041 Technical realization of Cell Broadcast Service (CBS) T2 23.042 Compression algorithm for SMS T2 23.057 Mobile Execution Environment (MEXE); Functional description; Stage 2 T2 23.060 General Packet Radio Service (GPRS) Service description; Stage 2 S2 23.061 Support of GSM Mobile Number Portability (MNP) stage 2 S2 23.062 Support of GSM Mobile Number Portability (MNP) stage 2 S2 23.073 Support of Localised Service Area (SoLSA); Stage 2 S2 23.073 Support of Localised Service Area (SoLSA); Stage 2 S2 23.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 S2 23.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 S2 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary Service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.089 Unstructured Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Name Identification Supplementary Service; Stage 2			
23.034 High Speed Circuit Switched Data (HSCSD); Stage 2 3.038 Alphabets and language-specific information T2 3.039 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) 23.040 Technical realization of Short Message Service (SMS) T2 23.041 Technical realization of Cell Broadcast Service (CBS) T2 23.042 Compression algorithm for SMS T2 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2 T2 23.060 General Packet Radio Service (GPRS) Service description; Stage 2 23.066 Support of GSM Mobile Number Portability (MNP) stage 2 3.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.079 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 N4 23.081 Line Identification supplementary Services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary Service; Stage 2 N4 23.080 Call Barring (CB) Supplementary Service; Stage 2 N4 23.081 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary Service; Stage 2 N4 23.098 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4			
23.038 Alphabets and language-specific information T2 23.039 Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) Technical realization of Short Message Service (SMS) Technical realization of Cell Broadcast Service (CBS) T2 23.041 Technical realization of Cell Broadcast Service (CBS) T2 23.042 Compression algorithm for SMS T2 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2 T2 23.060 General Packet Radio Service (GPRS) Service description; Stage 2 Support of GSM Mobile Number Portability (MNP) stage 2 Support of GSM Mobile Number Portability (MNP) stage 2 Call Deflection Supplementary Service; Stage 2 N4 23.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2 N4 23.072 Call Deflection Supplementary Service; Stage 2 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2			
Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entitites (SMEs) T2			
Message Entities (SMEs) Technical realization of Short Message Service (SMS) T2 33.041 Technical realization of Cell Broadcast Service (CBS) T2 33.042 Compression algorithm for SMS T2 33.057 Mobile Execution Environment (MExE); Functional description; Stage 2 T2 33.060 General Packet Radio Service (GPRS) Service description; Stage 2 S2 33.066 Support of GSM Mobile Number Portability (MNP) stage 2 33.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2 N4 23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.078 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 N4 23.081 Line Identification supplementary Services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary Service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.089 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2 N4 23.097 Name Identification Supplementary Service; Stage 2 N4 23.098 Name Identification Supplementary Service; Stage 2 N4 23.098 Name Identification Supplementary Service; Stage 2 N4 23.099 Name Identification Supplementary Service; Stage 2 N4			
23.040 Technical realization of Short Message Service (SMS) T2 23.041 Technical realization of Cell Broadcast Service (CBS) T2 23.042 Compression algorithm for SMS T2 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2 T2 23.060 General Packet Radio Service (GPRS) Service description; Stage 2 S2 23.066 Support of GSM Mobile Number Portability (MNP) stage 2 S2 23.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2 N4 23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 Support of Localised Service Area (SoLSA); Stage 2 Support of Optimal Routeing (SOR); Technical realization; Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Call Barring (CB) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.099 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2	23.039		12
23.041 Technical realization of Cell Broadcast Service (CBS) T2 23.042 Compression algorithm for SMS T2 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2 T2 23.060 General Packet Radio Service (GPRS) Service description; Stage 2 S2 23.066 Support of GSM Mobile Number Portability (MNP) stage 2 N4 23.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2 N4 23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.078 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 N4 23.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.098 Call Barring (CB) Supplementary Service; Stage 2 N4 23.099 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2	22 040		To
23.042 Compression algorithm for SMS T2 23.057 Mobile Execution Environment (MExE); Functional description; Stage 2 T2 23.060 General Packet Radio Service (GPRS) Service description; Stage 2 S2 23.066 Support of GSM Mobile Number Portability (MNP) stage 2 S2 23.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2 N4 23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 Support of Localised Service Area (SoLSA); Stage 2 N4 23.079 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.098 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2			
23.057 Mobile Execution Environment (MExE); Functional description; Stage 2 23.060 General Packet Radio Service (GPRS) Service description; Stage 2 23.066 Support of GSM Mobile Number Portability (MNP) stage 2 23.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2 N4 23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 23.078 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 N2 23.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 N4 Name Identification Supplementary Service; Stage 2			
23.060 General Packet Radio Service (GPRS) Service description; Stage 2 23.066 Support of GSM Mobile Number Portability (MNP) stage 2 23.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2 N4 23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.074 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 N2 23.075 Support of Optimal Routeing (SOR); Technical realization; Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.089 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2			
23.066 Support of GSM Mobile Number Portability (MNP) stage 2 23.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2 N4 23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 23.078 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 N2 23.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 N4 Name Identification Supplementary Service; Stage 2			
23.067 Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2 N4 23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N4 23.078 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 N2 23.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2			
23.072 Call Deflection Supplementary Service; Stage 2 N4 23.073 Support of Localised Service Area (SoLSA); Stage 2 N2 23.078 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 N2 23.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 Name Identification Supplementary Service; Stage 2			
23.073Support of Localised Service Area (SoLSA); Stage 2N423.078Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2N223.079Support of Optimal Routeing (SOR); Technical realization; Stage 2N423.081Line Identification supplementary services; Stage 2N423.082Call Forwarding (CF) Supplementary Services; Stage 2N423.083Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2N423.084MultiParty (MPTY) Supplementary Service; Stage 2N423.085Closed User Group (CUG) Supplementary Service; Stage 2N423.086Advice of Charge (AoC) Supplementary Service; Stage 2N423.087User-to-User Signalling (UUS) supplementary service; Stage 2N423.088Call Barring (CB) Supplementary Service; Stage 2N423.090Unstructured Supplementary Service Data (USSD); Stage 2N423.091Explicit Call Transfer (ECT) Supplementary Service; Stage 2N423.093Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2N423.094Follow Me Stage 2N423.096Name Identification Supplementary Service; Stage 2N4			
23.078 Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2 23.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 N4 23.081 Line Identification supplementary services; Stage 2 N4 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 N4 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2			
23.079 Support of Optimal Routeing (SOR); Technical realization; Stage 2 23.081 Line Identification supplementary services; Stage 2 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Name Identification Supplementary Service; Stage 2			
23.081 Line Identification supplementary services; Stage 2 23.082 Call Forwarding (CF) Supplementary Services; Stage 2 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Name Identification Supplementary Service; Stage 2			
23.082 Call Forwarding (CF) Supplementary Services; Stage 2 23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 N4 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 N4 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 N4 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Name Identification Supplementary Service; Stage 2			
23.083 Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2 23.084 MultiParty (MPTY) Supplementary Service; Stage 2 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 N4 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Name Identification Supplementary Service; Stage 2			
23.084 MultiParty (MPTY) Supplementary Service; Stage 2 23.085 Closed User Group (CUG) Supplementary Service; Stage 2 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 N4 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2			
23.085 Closed User Group (CUG) Supplementary Service; Stage 2 23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2			
23.086 Advice of Charge (AoC) Supplementary Service; Stage 2 23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2			
23.087 User-to-User Signalling (UUS) supplementary service; Stage 2 23.088 Call Barring (CB) Supplementary Service; Stage 2 N4 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 N4 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2 N4			
23.088 Call Barring (CB) Supplementary Service; Stage 2 23.090 Unstructured Supplementary Service Data (USSD); Stage 2 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2 N4			
23.090 Unstructured Supplementary Service Data (USSD); Stage 2 23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 N4 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2 N4	23.088		
23.091 Explicit Call Transfer (ECT) Supplementary Service; Stage 2 23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 N4 23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2 N4	23.090		
23.093 Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2 23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2 N4	23.091		
23.094 Follow Me Stage 2 N4 23.096 Name Identification Supplementary Service; Stage 2 N4	23.093		
23.096 Name Identification Supplementary Service; Stage 2 N4		• • • • • • • • • • • • • • • • • • • •	
	23.096		
	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	N4

Number	Title	WG prime
23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	N1
23.110	UMTS Access Stratum Services and Functions	S2
23.116	Super-Charger technical realization; Stage 2	N4
23.119	Gateway Location Register (GLR); Stage2	N4
23.121	Architecture Requirements for release 99	S2
23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
23.908	Technical report on Pre-Paging	N4
23.909	Technical report on the Gateway Location Register	N4
23.911	Technical report on Out-of-band transcoder control	N4
23.912	Technical report on Super-Charger	N4
23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	S2
23.925	UMTS Core network based ATM transport	S2
24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	N1
24.007	Mobile radio interface signalling layer 3; General Aspects	N1
24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4
24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1
24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	N3
24.022	Location Services (LCS); Supplementary service operations; Stage 3	N4
24.030	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	N4
24.072	Call Deflection Supplementary Service; Stage 3	N4
24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4
24.081	Line Identification Supplementary Service; Stage 3	N4
24.082	Call Forwarding supplementary service; Stage 3	N4
24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	N4
24.084	MultiParty (MPTY) Supplementary Service; Stage 3	N4
24.085	Closed User Group (CUG) Supplementary Service; Stage 3	N4
24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	N4
24.087	User-to-User Signalling (UUS); Stage 3	N4
24.088	Call Barring (CB) Supplementary Service; Stage 3	N4
24.090	Unstructured Supplementary Service Data (USSD); Stage 3	N4
24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	N4
24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	N4
24.096	Name Identification Supplementary Service; Stage 3	N4
26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	S4
27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	N3
27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	N3
27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	-
27.007	AT command set for 3G User Equipment (UE)	T2
27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	T2
27.010	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
27.103	Wide Area Network Synchronization	T2
29.002 29.007	Mobile Application Part (MAP) specification General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N4 N3
29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
29.011	Signalling Interworking for Supplementary Services	N4
29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	N4
29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	N1
29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2

Number	Title	WG
		prime
29.993	Modifications to be incorporated in equipment to cater for errors in the standards	<u>RP</u>
29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User	<u>N1</u>
	Equipment (UE) faults	
31.111	USIM Application Toolkit (USAT)	T3

8