

***DRAFT June 99 Status list***

**Technical Specification Group Services and System Aspects  
Meeting #4, Miami USA, June 1999**

***TSGS#4(99)335***

**Source: Ian Doig, 3GPP support team**

**Action: Information**

**Title: DRAFT June 99 Status list.**

Attached is a **DRAFT** June 99 status list of the 3GPP specifications at TSG SA#4.

WG Chairs are asked to review the status list and advise the support team of any discrepancies.

Versions of the specifications given in this list will be available on the 3GPP server in Specs/June 99 Directory ASAP.

An approved status list will be attached to the TSG SA #4 meeting report.

## DRAFT June 99 Status list

Number	Ver at TSG#4	Title	planned V3	Frozen @	TSG/WG	Editor	Comment
21.111	3.0.0	USIM and IC card requirements	April 99		T3	Günter Maringer	
21.133	3.0.0	Security Threats and Requirements	April 99		S3	Per Christoffersson	
21.904	0.0.3	Terminal Capability Requirements	Dec 99		T2		
21.906	3.0.0	O&M requirements	April 99		S1		
22.053	0.1.1	Tandem Free Operation of speech codecs; Stage 1 service description	Dec 99		S4	William Navarro	
22.100	3.3.0	UMTS Phase 1	April 99		S1	Jean-Paul Gallaire	CR at TSG#4
22.101	3.6.0	UMTS Service principles	April 99		S1	Paul Dwyer	CR at TSG#4
22.105	3.5.0	Services & Service capabilities	April 99		S1	Wayne Ashwell	CR at TSG#4
22.115	3.1.0	Service Aspects Charging and billing	April 99		S1	Emanuele Montegrosso	
22.121	3.0.0	Provision of Services in UMTS - The Virtual Home Environment	Oct 99		S1	Jumoke Ogunbekum	
22.129	3.0.0	Handover Requirements between UMTS and GSM or other Radio Systems	April 99		S1	David Cooper	
22.135	1.0.0	Multicall Stage1	June 99		S1	Tommi Kokkola	
22.907	3.1.2	Terminal concepts	April 99		S1	Mika Tolvanen	Not to be maintained
22.924	3.1.1	Charging and accounting mechanisms	April 99		S1	Emanuele Montegrosso	
22.925	3.1.1	Quality of service and network performance	April 99		S1	Olle Eriksson	
22.945	1.0.0	Study of provision of fax service in GSM and UMTS	Oct 99		T2		
22.960	3.0.1	Mobile multimedia services	April 99		S1	Thomas Ahnberg	
22.970	3.0.1	Virtual Home Environment Report	April 99		S1	Jumoke Ogunbekum	
22.971	3.1.1	Automatic establishment of roaming relationships	April 99		S1	Emanuele Montegrosso	

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22.972	0.0.0	Multimedia	Dec 99		S1		
22.975	3.0.1	Advanced addressing	April 99		S1	Stephan Kleier	
23.003	3.1.0	Numbering, Addressing and Identification	April 99		N1/2		CR at TSG#4
23.007	3.1.0	Restoration procedures	April 99		N2B		CR at TSG#4
23.008	3.0.0	Organisation of subscriber data	April 99		N2B		
23.009	3.0.0	Handover procedures	April 99		N2B		
23.010	3.0.0	Public Land Mobile Network (PLMN) Connection Types	April 99		N3		
23.011	3.0.0	Technical Realization of Supplementary Services - General Aspects	April 99		NSS		
23.012	3.0.0	Location registration procedures	April 99		N1		
23.014	3.0.0	Support of Dual Tone Multi Frequency (DTMF) signalling	April 99		N1		
23.015	3.1.0	Technical realisation of Operator Determined Barring (ODB)	April 99		N2B		CR at TSG#4
23.016	3.1.0	Subscriber data management - Stage 2	April 99		N2B		CR at TSG#4
23.018	3.1.0	Basic Call Handling - Technical realisation	April 99		N2B		CR at TSG#4
23.022	3.1.0	Functions related to Mobile Station (MS) in idle mode	April 99		N1		CR at TSG#4
23.032	3.0.0	Universal Geographical Area Description (GAD)	April 99		N1		
23.034	3.0.0	High Speed Circuit Switched Data (HSCSD) - Stage 2	April 99		N1		
23.038	3.1.0	Alphabets & Language	June 99		T2	Arthur Gidlow	CR at TSG#4
23.039	3.0.0	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	June 99		T2	Arthur Gidlow	
23.040	3.1.0	Technical realisation of SMS Point to Point	June 99		T2	Arthur Gidlow	CR at TSG#4
23.042	3.0.0	Compression algorithm for SMS	June 99		T2	Arthur Gidlow	
23.043	3.0.0	Support of Videotext	April 99		N3		

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23.044	3.0.0	Support of Teletext in a Public Land Mobile Network (PLMN)	April 99		N3		
23.045	3.0.0	Technical realisation of facsimile Group 3 service- transparent	April 99		N3		
23.046	3.0.0	Technical realisation of facsimile Group 3 service- non-transparent	April 99		N3		
23.054	3.0.0	Shared Interworking Functions - Stage 2	April 99		N3		
23.057	1.1.0	Mobile Station Application Execution Environment (MExE); Functional description; Stage 2	Oct 99		T2	Mark Cataldo	
23.067	3.0.0	Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2	April 99		NSS		
23.068	3.0.0	Voice Group Call Service (VGCS) - Stage 2	April 99		N1/2B		
23.069	3.0.0	Voice Broadcast service (VBS) - Stage 2	April 99		N1		
23.070	3.0.0	Routing of calls to/from Public Data Networks	April 99		N3		
23.072	3.0.0	Call Deflection Supplementary Service - Stage 2	April 99		NSS		
23.078	3.1.0	CAMEL Stage 2	April 99		N2A		CR at TSG#4
23.079	3.1.0	Support of optical routeing - Phase 1 - Stage 2	April 99		N2A		CR at TSG#4
23.081	3.0.0	Line Identification Supplementary Services - Stage 2	April 99		NSS		
23.082	3.0.0	Call Forwarding (CF) Supplementary Services - Stage 2	April 99		NSS		
23.083	3.0.0	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service - Stage 2	April 99		NSS		
23.084	3.0.0	MultiParty (MPTY) Supplementary Service - Stage 2	April 99		NSS		
23.085	3.0.0	Closed User Group (CUG) Supplementary Service - Stage 2	April 99		NSS		
23.086	3.0.0	Advice of Charge (AoC) Supplementary Service - Stage 2	April 99		NSS		
23.087	3.0.0	User-to-User Signalling (UUS) - Stage 2	April 99		NSS		
23.088	3.0.0	Call Barring (CB) Supplementary Service - Stage 2	April 99		NSS		

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23.090	3.0.0	Unstructured Supplementary Service Data (USSD) - Stage 2	April 99		NSS		
23.091	3.0.0	Explicit Call Transfer (ECT) Supplementary Service - Stage 2	April 99		NSS		
23.093	3.0.0	Call Completion to Busy Subscriber (CCBS) - Stage 2	April 99		NSS		
23.096	3.0.0	Name Identification Supplementary Service - Stage 2	April 99		NSS		
23.101	3.0.0	General UMTS Architecture	June 99		S2	Magnus Olsson	
23.110	3.1.0	UMTS Access Stratum; Services and Functions	June 99		S2	Oscar Lopez – Torres	
23.121	3.0.0	Architecture Requirements for release 99	June 99		S2	André Jarvis	
23.907	1.1.0	Quality of Service	Oct 99		S2	uha Kalliokulju	
23.908	3.0.0	Technical report on Pre-Paging	June 99		N2		
23.909	3.0.0	Technical report on the Gateway Location Register	June 99		N2		
23.920	3.0.0	Evolution of the GSM platform towards UMTS	June 99		S2	André Jarvis	
23.923	0.6.0	Combined GSM and Mobile IP mobility handling in UMTS IP CN	Dec 99		S2	Elisabeth Hubbard	
23.925	0.2.0	UMTS Core network based ATM transport	Dec 99		S2	Adel Rouz	
23.927	0.1.0	VHE, Open Service Architecture	Dec 99		S1		
23.930	3.0.0	Iu Principles	June 99		S2	Bo Axerud	
23.960	0.1.0	Framework of Network functions to support multimedia services in UMTS	Dec 99		S2	Axel Gabe	
23.x08	3.0.0	Mobile Radio Interface Layer 3 specification stage 2 (structured procedures)	June 99		N2B		Ch 7 of 04.08
24.008	3.0.0	Mobile Radio Interface Layer 3 specification (CC/MM/SM)	April 99		N1		
24.010	3.0.0	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	April 99		N3		
24.022	3.0.0	Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-	April 99		N3		

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		services Switching Centre (BSS-MSC) Interface				
24.065	3.1.0	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	April 99		N1	CR at TSG#4
24.067	3.0.0	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 3	April 99		NSS	
24.068	3.1.0	Group Call Control (GCC) Protocol	April 99		N1	CR at TSG#4
24.069	3.1.0	Broadcast Call Control (BCC) Protocol - Stage 3	April 99		N1	CR at TSG#4
24.072	3.0.0	Call Deflection Supplementary Service - Stage 3	April 99		NSS	
24.080	3.0.0	Mobile radio Layer 3 Supplementary Service specification - Formats and coding	April 99		NSS	
24.081	3.0.0	Line Identification Supplementary Service - Stage 3	April 99		NSS	
24.082	3.0.0	Call Forwarding Supplementary Service - Stage 3	April 99		NSS	
24.083	3.0.0	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service - Stage 3	April 99		NSS	
24.084	3.0.0	MultiParty (MPTY) Supplementary Service - Stage 3	April 99		NSS	
24.085	3.0.0	Closed User Group (CUG) Supplementary Service - Stage 3	April 99		NSS	
24.086	3.0.0	Advice of Charge (AoC) Supplementary Service - Stage 3	April 99		NSS	
24.087	3.0.0	User-to-User Signalling (UUS) - Stage 3	April 99		NSS	
24.088	3.0.0	Call Barring (CB) Supplementary Service - Stage 3	April 99		NSS	
24.090	3.0.0	Unstructured Supplementary Service Data (USSD) - Stage 3	April 99		NSS	
24.091	3.0.0	Explicit Call Transfer (ECT) Supplementary Service - Stage 3	April 99		NSS	
24.093	3.0.0	Call Completion to Busy Subscriber (CCBS) - Stage 3	April 99		NSS	
24.096	3.0.0	Name Identification Supplementary Service - Stage 3	April 99		NSS	
25.101	2.0.0	UE Radio transmission and reception (FDD)	Oct 99		R4	Edgar Fernandes

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25.102	1.1.0	UE Radio transmission and reception (TDD)	Oct 99		R4	Meik Kottkamp	
25.103	1.0.0	RF parameters in support of RRM	Oct 99		R4	Daniele Franceschini	
25.104	2.0.0	BTS Radio transmission and reception (FDD)	Oct 99		R4	Johan Sköld	
25.105	1.1.0	BTS Radio transmission and reception (TDD)	Oct 99		R4	Meik Kottkamp	
25.113	0.0.0	BTS EMC	Oct 99		R4	Simon Pike	
25.141	1.0.0	Base station conformance testing (FDD)	Dec 99		R4	Howard Benn	
25.142	0.0.1	Base station conformance testing (TDD)	Dec 99		R4	Howard Benn	
25.201	2.1.0	Physical layer -General Description	Oct 99		R1	Antti Toskala	
25.211	2.1.0	Physical channels and mapping of transport channels onto physical channels (FDD)	Oct 99		R1		
25.212	2.0.0	Multiplexing and channel coding (FDD)	Oct 99		R1		
25.213	2.1.0	Spreading and modulation (FDD)	Oct 99		R1		
25.214	1.1.0	FDD; physical layer procedures	Oct 99		R1		
25.221	1.1.0	Physical channels and mapping of transport channels onto physical channels (TDD)	Oct 99		R1		
25.222	2.0.0	Multiplexing and channel coding (TDD)	Oct 99		R1		
25.223	2.1.0	Spreading and modulation (TDD)	Oct 99		R1		
25.224	1.0.0	TDD; physical layer procedures	Oct 99		R1		
25.231	0.3.0	Physical layer; measurements	Oct 99		R1		
25.301	3.1.0	Radio Interface Protocol Architecture	April 99		R2	Wolfgang Granzow	CR at TSG#4
25.302	2.3.0	Services provided by the physical layer	Oct 99		R2	Pierre Lescuyer	
25.303	3.0.0	UE functions and inter-layer procedures in connected mode	June 99		R2	Mikko J.Rinne	
25.304	1.2.0	UE procedures in Idle Mode	Oct 99		R2	Tommi Leivonen	

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25.321	3.0.0	Medium Access Control (MAC) Protocol Specification	June 99		R2	Armin Sitte	
25.322	1.1.0	Radio Link Control (RLC) Protocol Specification	Oct 99		R2	Daniele Franceschini	
25.331	1.1.0	Radio Resource Control (RRC) Protocol Specification	Oct 99		R2	Stephen Barrett	
25.401	1.1.1	UTRAN Overall Description	Oct 99		R3	Jean-Marie Calmel	
25.410	0.2.1	UTRAN Iu Interface: General Aspects and Principles	Oct 99		R3	Richard Townend	
25.411	3.0.0	UTRAN Iu interface Layer 1	June 99		R3	Achim Brandt	
25.412	3.0.0	UTRAN Iu interface signalling transport	June 99		R3	Kiran Thakare	
25.413	1.0.2	UTRAN Iu interface RANAP signalling	Oct 99		R3	Jyrki Jussila	
25.414	3.0.0	UTRAN Iu interface data transport & transport signalling	June 99		R3	Per Willars	
25.415	0.1.3	UTRAN Iu interface user plane protocols	Oct 99		R3	Alain Maupin	
25.420	0.1.3	UTRAN Iur Interface: General Aspects and Principles	Oct 99		R3	Kevin Hegerty	
25.421	3.0.0	UTRAN Iur interface Layer 1	June 99		R3	Achim Brandt	
25.422	3.0.0	UTRAN Iur interface signalling transport	June 99		R3	Kiran Thakare	
25.423	1.1.1	UTRAN Iur interface RNSAP signalling	Oct 99		R3	Bjorn Ehrstedt	
25.424	3.0.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	June 99		R3	Nicolas Drevon	
25.425	0.2.0	UTRAN Iur interface user plane protocols for CCH data streams	Oct 99		R3	Nicolas Drevon	
25.426	3.0.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	June 99		R3	Sami Kekki	
25.427	0.2.1	UTRAN Iur and Iub interface user plane protocols for DCH data streams	Oct 99		R3	Fabio Longoni	
25.430	0.1.2	UTRAN Iub Interface: General Aspects and Principles	Oct 99		R3	Mick Wilson	
25.431	3.0.0	UTRAN Iub interface Layer 1	June 99		R3	Achim Brandt	
25.432	3.0.0	UTRAN Iub interface signalling transport	June 99		R3	Mick Wilson	



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25.433	1.0.2	UTRAN Iub interface NBAP signalling	Oct 99		R3	Nobutaka Ishikawa	
25.434	3.0.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	June 99		R3	Magnus Aldén	
25.435	0.2.1	UTRAN Iub interface user plane protocols for CCH data streams	Oct 99		R3	Jean-Marie Calmel	
25.831	0.0.2	Study Items for future release	Dec 99		R3	Per Willars	
25.832	2.1.1	Manifestations of Handover and SRNS relocation	Oct 99		R3	Richard Townend	
25.921	1.0.0	Guidelines and principles for protocol description and error handling	Oct 99		R2	Jean Dumazy	
25.922	0.2.0	Radio Resource Management Strategies	Dec 99		R2	Nicola Pio Magnani	
25.923	1.0.0	Location Services (LCS) features	Oct 99		R2	David G Steer	
25.924	0.1.0	ODMA	Dec 99		R2		
25.925	0.1.0	Broadcast/Multicast services	Dec 99		R2		
25.931	1.1.1	UTRAN Functions, examples on signalling procedures	Oct 99		R3	Enrico Scarrone	
25.941	1.0.0	RF Introduction	Dec 99		R4	Tadao Takami	
25.942	1.0.0	RF system scenarios	Dec 99		R4	Nadia Benabdallah	
25.990	0.1.4	Vocabulary for UTRAN	Oct 99		R4	Howard Benn	
26.071	3.0.0	AMR speech Codec; General description	June 99		S4	Erik Ekudden	
26.073	0.1.0	AMR speech Codec; C-source code	Oct 99		S4	Erik Ekudden	
26.074	1.0.0	AMR speech Codec; Test sequences	Oct 99		S4	Erik Ekudden	
26.090	3.0.0	AMR speech Codec; Transcoding Functions	June 99		S4	Erik Ekudden	
26.091	3.0.0	AMR speech Codec; Error concealment of lost frames	June 99		S4	Erik Ekudden	
26.092	3.0.0	AMR speech Codec; comfort noise	June 99		S4	Erik Ekudden	
26.093	3.0.0	AMR speech Codec; Source Controlled Rate operation	June 99		S4	Erik Ekudden	

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26.094	0.1.0	AMR Speech Codec Voice Activity Detector	Oct 99		S4		
26.101	1.2.0	AMR speech Codec; Frame Structure	Oct 99		S4	Jari Hagqvist	
26.102	0.2.0	AMR speech Codec; Interface to lu and Uu	Dec 99		S4	William Navarro	
26.110	3.0.0	Codec for Circuit switched Multimedia Telephony Service; General Description	June 99		S4	Barry Aronson	
26.111	3.0.0	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	June 99		S4	Barry Aronson	
26.112	1.1.0	Codec for Circuit switched Multimedia Telephony Service; Call Set-Up Requirements	Oct 99		S4	Harri Honko	
26.121	0.0.0	Technical Specification for Tandem Free Operation within 3G networks	Dec 99		S4		
26.122	0.0.0	Technical Specification for Tandem Free Operation between 3G and 2G networks	Dec 99		S4		
26.901	0.0.0	AMR speech Codec; performance characteristics	Dec 99		S4	Alain Ohana	
26.911	3.0.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	June 99		S4	Petri Haavisto	
26.912	1.0.0	Codec for Circuit switched Multimedia Telephony Service;Quantitative performance evaluation of H.324 Annex C over 3G	Dec 99		S4	Olle Franceschi	
26.913	0.0.1	Quantitative performance evaluation of real-time packet switched multimedia services over 3G	Dec 99		S4	Harri Honko	
26.915	0.0.0	Transmission planning aspects of the services in 3G PLMN System	Dec 99		S4	Ian Goetz	
26.920	0.1.1	Architectural Model for the 3G Transcoders	Dec 99		S4	William Navarro	
27.001	3.0.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	April 99		N3		
27.002	3.0.0	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	April 99		N3		

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27.003	3.1.0	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	April 99		N3		CR at TSG#4
27.005	3.0.0	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE - DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	June 99		T2	Lars Novak	
27.007	3.1.0	AT command set for 3G User Equipment (UE)	June 99		T2	Lars Novak	CR at TSG#4
27.010	3.1.0	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE)	June 99		T2	Lars Novak	CR at TSG#4
27.060	3.1.0	GPRS Mobile Stations supporting GPRS	April 99		N3		CR at TSG#4
28.020	3.0.0	Rate Adaptation on the BSS-MSC Interface	April 99		N3		
29.002	3.1.0	Mobile Application Part (MAP)	April 99		N2B		CR at TSG#4
29.004	3.0.0	Interworking between the PLMN and the CSPDN	April 99		N3		
29.005	3.0.0	Interworking between the PLMN and the PSPDN	April 99		N3		
29.006	3.0.0	Interworking between a PLMN and the ISDN or PSTN for support of Packet Switched data transmission services	April 99		N3		
29.007	3.0.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	April 99		N3		
29.011	3.0.0	Signalling Interworking for Supplementary Services	April 99		NSS		
29.016	3.0.0	Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	April 99		N1		
29.018	3.1.0	Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification	April 99		N1		CR at TSG#4
29.060	3.1.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	April 99		N2B		CR at TSG#4

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29.061	3.1.0	Interworking between the PLMN supporting GPRS and Packet Data Networks (PDN)	April 99		N3		CR at TSG#4
30.504	1.0.0	Work Plan and Study Items - RAN WG4	Dec 99		R4		
30.531	0.1.2	Work Plan and Study Items - RAN WG3	Dec 99		R3		
31.101	0.5.0	UICC physical and logical characteristics	Dec 99		T3	Rune Lindholm	
31.102	0.5.0	USIM characteristics	Dec 99		T3	M. Kobayashi and Ch. Heim	
32.101	1.0.0	3G Telecom Management principles and high level requirements	Oct 99		S5	Michael Truss	
32.102	1.0.0	3G Telecom Management architecture	Oct 99		S5	Tommy Berggren	
33.102	3.1.0	Security Architecture	April 99		S3	Bart Vinck	CR at TSG#4
33.103	1.0.0	Security Integration Guidelines	Oct 99		S3	Bart Vinck	
33.105	3.0.0	Cryptographic Algorithm requirements	June 99		S3	Bart Vinck	
33.106	3.0.0	Lawful interception requirements	June 99		S3	Bart Vinck	
33.120	3.0.0	Security Objectives and Principles	April 99		S3	Tim Wright	
33.901	3.0.0	Criteria for cyptographic Algorithm design process	June 99		S3	Vinck Bart	
34.109	0.0.0	Logical Test Interface (TDD and FDD)	Dec 99		T1		
34.121	1.0.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	Oct 99		T1		
34.122	0.0.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	Dec 99		T1		
34.907	1.0.0	Report on electrical safety requirements and regulations	Oct 99		T2		
34.925	3.0.0	Specific Absorbtion Rate (SAR) requirements and regulations in different regions	June 99		T2		