

Source: TSG-T WG1
Title: Liaison statement to TSG-T on schedule for Prose test case generation for TSG-T WG1 SIG sub-working group
Agenda item: 6.2
Document for: Information

Introduction

The purpose of this liaison statement is to inform TSG-T of the progress, schedule and current allocation of the work for the preparation of the work item for the protocol conformance specification TS 34.123-1.

Two tables are shown. The first is an executive summary by main section, showing for each major section of the specification:

The core specification (or old GSM specification) that forms the key dependency for that section

The TSG that is responsible for the core specification

The current status of the core specification, and the date it is expected to reach stability (Version 3.0.0 or greater)

An indication of whether the section will be written by T1/Sig or jointly by T1/Sig and T1/RF, or is currently unallocated

The company or organisation who is co-ordinating editor for the section

The target release of TS 34.123-1 that the main part of that section should be ready for, where the key is

V1 is version 1.0.0, scheduled for December 1999

V3 is version 3.0.0, scheduled for June 2000

R2000 is release 2000, scheduled for 2001.

And finally an indication of whether work on that section has started yet.

The first table gives a high level overview, but within each section there is further granularity as to which groups of test cases are targeted for each version of TS 34.123-1. A second table is provided which gives the more detailed picture. For each group of test cases, this table provides an indication of whether it is targeted for inclusion in version 1.0.0 (V1), version 3.0.0 (V3) or for release 2000 (R2000).

Finally, it is important to stress that these version/release indications are provided to indicate the priority attached to each section, or test case. They are present because of resource and time limitations within TSG-T1 SIG at its current membership level. If the level of contributions to TSG-T1 SIG increases then items currently prioritised for inclusion in version 3.0.0 or release 2000 will be moved to earlier releases. By the same token, if the level of contributions decreases, then it may be necessary to review the prioritisation of items in earlier releases.

Description Main Area		Information of core specification				Information of test specification				
		Document No.	TSG	Status	Milestone for stabilized core spec (v 3.x.x)	Responsibility		Milestone for draft		Status
						TSG-T WG	Co-ordinator	Initial Target	Actual	
1	Scope	---	---	---	---	Sig	ETSI	V1		Started
2	References	---	---	---	---	Sig	ETSI	V1		Started
3	Definitions, symbols and abbreviations	---	---	---	---	Sig	ETSI	V1		Started
3.1	Definitions	---	---	---	---	Sig	ETSI	V1		Started
3.2	Symbols	---	---	---	---	Sig	ETSI	V1		Started
3.3	Abbreviations	---	---	---	---		ETSI	V1		Started
4	Overview					Sig	ETSI	V1		
4.1	Test Methodology					Sig	ETSI	V1		Not started
4.2	Implicit Testing					Sig	ETSI	V1		Not started
5	Reference Environment					Sig & RF				
5.1	Reference test methods					Sig & RF		V1		Not started
5.2	Default parameters					Sig & RF		V1		Not started
5.3	Generic setup procedures					Sig	DoCoMo	V1		Started
6	Idle mode operations					Sig	ERICSSON	V1		
6.1	In a pure 3GPP environment	23.022 25.304	N1 R2	3.1.0 1.2.0	Already Oct-99	Sig	ERICSSON			Started
6.2	Multi-mode environment (2G/3G case)					Sig	ERICSSON	V3		Not started
7	Layer 2					Sig	ANRITSU			
7.1	MAC	25.321	R2	3.0.0	already	Sig	ANRITSU	V1		Started
7.2	RLC testing	25.322	R2	1.1.0	Oct-99	Sig	ANRITSU	V1		Started
8	Layer 3					Sig	ARIB			
8.1	Radio Resource Control (RRC)	25.331	R2	1.1.0	Oct-99	Sig	MCI	V1		Started
8.2	Mobility Management (MM)	24.008	N1	?	Dec-99	Sig	ARIB	V1		Not started
8.3	Circuit Switched Call Control (CC)	24.008	N1	?	Dec-99	Sig	ARIB	V1		Not started
8.4	Session Management	24.008	N1	?	Dec-99	Sig				Not started
8.5	General Test Procedures					Sig	ARIB	V3		Not started
8.6	Structured procedures	GSM11.10-26.9	[11.10]?			Sig	Nokia	V1		Not started
8.6.1	Structured Procedures/Emergency Calls	GSM11.10-26.9.6	N1?		Dec-99?	Sig	ARIB	V1		Not started

Description		Information of core specification				Information of test specification				
Main Area		Document No.	TSG	Status	Milestone for stabilized core spec (v 3.x.x)	Responsibility		Milestone for draft		Status
						TSG-T WG	Co-ordinator	Initial Target	Actual	
8.7	GPRS Mobility Management (GMM)	24.008	N1		Dec-99	Sig		R2000		
9	Service					Sig	Not yet allocated			
9.1	SMS	GSM11.10-34	[11.10]			Sig				Not started
9.2	Voice Service	GSM11.10-30	SA?			Sig		V1		Not started
9.3	Circuit Switched Data Service	GSM11.10-29			Apr-99			V3		Not started
9.4	Packet Switched Data Service					Sig		R2000		Not started
9.5	Supplementary Service	GSM11.10-31	[11.10]			Sig		R2000		Not started
9.6	Multi-media Service	22.972?	S1	0.0.0	Dec-99	Sig		R2000		Not started
9.7	Multiple Services					Sig		R2000		Not started
10	Test of autocalling restrictions	GSM11.10-28	[11.10]			Sig	ANRITSU	V1		Not started
11	Speech Quality (speech teleservice)		[11.10AMR]							Not started
12	Speech transcoding functions	26.090	S4 [11.10AMR]	3.0.0	June-99					Not started
13	Mobile Station features (MMI, VHE, MExE, SAT)	22.970 23.057	S1 T2	3.0.1 1.1.0	Already Oct-99	Sig		R2000		Not started
13.1	Low battery voltage detection	GSM11.10-35				Sig	DoCoMo	V1		Not started

GSM 11.10-1 clause	Title / testing area	Target Release
11	General tests	
11.1	Verification of support and non-support of services (multiple numbering scheme or ISDN)	Under investigation
11.2	Verification of support of the single numbering scheme	Under investigation
11.3	Verification of non-support of services (Advice of Charge Charging (AoCC))	Under investigation
11.4	Verification of non-support of services (call hold)	Under investigation
11.5	Verification of non-support of services (multiparty)	Under investigation
11.6	Verification of non-support of feature (Fixed Dialling Number (FDN))	Under investigation
11.7	IMEI Security	V1
11.8	Coding of the Bearer Capability information element	Under investigation
17	Access times during handover	
17.1	Intra cell channel change	
17.2	Inter cell handover	
19	Channel release after unrecoverable errors	See RRC
20	Cell selection and reselection	V1
24	Tests of the layer 1 signalling functions	Implicitly tested
25	Tests of the layer 2 signalling functions	
N/A	Transparent mode / Segmentation and reassembly	V1
	Unacknowledged mode / Segmentation and reassembly	V1
	Acknowledged mode	V1
	Segmentation and reassembly	V1
	Concatenation	V1
	Correct use of Sequence Numbering on the Uplink	V1
	Correct use of Sequence Numbering on the Downlink	V1
	Control of Transmit Window	V1
	Control of Receive Window	V1
	Flow Control	R2000
	Error Correction	V1
	SDU discard	V3
	Protocol error detection and recovery	V1
	Acknowledgements are sent when requested	V1
	Retransmission takes place when requested	V1
	The Estimated PDU counter operates correctly	V3
	Header compression	R2000
	Triggering of Polling	V1
26	Testing of layer 3 functions	
26.1	Default conditions and structured sequence of tests	
26.1.1	Default test conditions during layer 3 tests	V1
26.1.2	Structured sequence of the tests	V1
26.1.3	General rules for message parameters	V1
26.1.4	General rules for layer 3 testing	V1
26.1.5	Format of layer 3 test descriptions	V1
26.2	Initial tests	
26.2.1	Channel request	V1
26.2.2	IMUI detach and IMUI attach	V1
26.2.3	Sequenced MM / CM message transfer	V1
26.2.4	Establishment cause	V1
26.3	Test of MS functions in idle mode	
26.3.1	Initial conditions	
26.3.2	MS indication of available PLMNs	V1
26.3.3	MS will send only if BSS is "on air"	V1

GSM 11.10-1 clause	Title / testing area	Target Release
26.3.4	Manual mode of PLMN selection	V1
26.4	Lower layer failures in layer 3 testing	
26.4.1	Introduction	
26.4.2	Layer 1 reception failures	V1
26.4.3	Data link layer failures	V1
26.4.4	Lower layer failures, used for the tests in clause 25	V1
26.5	Handling of unknown, unforeseen, and erroneous protocol data, and of parallel transactions	V1 (Owner needed)
26.6	Test of the elementary procedures for radio resource management	
N/A	Idle Mode	
	Idle Mode : Paging	V1
	Paging for Connection	V1
	Paging for Notification	V1
	Idle Mode : Notification	V1 (under investigation)
N/A	RRC Connection	
	RRC Connection Establishment	V1
	RRC Connection Establishment Success	V1
	RRC Connection Establishment Failure (No Response)	V1
	RRC Connection Establishment Reject	V1
	RRC Connection Re-Establishment Radio link Failure	V1
	RRC Connection Release	V1
	RRC Connection Release DCH	V1
	RRC Connection Release FACH/RACH	V1
	RRC Connected Mode	
	RRC Connected Mode : Radio Access Bearer Establishment	
	Radio Access Bearer Establishment with dedicated physical channel activation	V1
	Radio Access Bearer Establishment with unsynchronised dedicated physical channel modification	Under investigation
	Radio Access Bearer Establishment with synchronised dedicated physical channel modification	Under investigation
	Radio Access Bearer Establishment without dedicated physical channel	V1
	RRC Connected Mode : Radio Access Bearer Release	
	Radio Access Bearer Release with unsynchronised dedicated physical channel modification	Under investigation
	Radio Access Bearer Release with synchronised dedicated physical channel modification	V1
	Radio Access Bearer Release without dedicated physical channel modification	V1
	RRC Connected Mode : Radio Access Bearer Reconfiguration	
	Synchronised Radio Access Bearer Reconfiguration	V3
	Unsynchronised Radio Access Bearer Reconfiguration	V3
	RRC Connected Mode : Physical Channel Reconfiguration	
	Assignment of dedicated physical channel	Under investigation
	Synchronised replacement modification of dedicated physical channel	Under investigation
	Release dedicated physical channel	Under investigation
	To add further FAUSCH	R2000
	RRC Connected Mode : Transport Channel Reconfiguration	
	Synchronised transport format set reconfiguration	Under investigation
	Unsynchronised transport format set reconfiguration	Under investigation
	Pre-configuration of TFS/TFCS for a transport channel not yet in use	Under investigation
	RRC Connected Mode : Transport format combination	?

GSM 11.10-1 clause	Title / testing area	Target Release
	Control	
	Mobility in RRC connected mode	
	Soft Handover	V1
	Radio link addition	V1
	Radio link removal	V1
	Combined radio link addition and removal	V1
	Inter frequency hard handover	V1
	Inter system hard handover(GSM/BSS to UTRAN)	R2000
	Inter system hard handover(UTRAN to GSM/BSS)	R2000
	Cell Reselection	V1
	Inter system(GSM to UTRAN)	R2000
	Inter system(UTRAN to GSM/BSS)	R2000
	URA Update	Under investigation
	Cell Update	V1
	RNTI Reallocation	V1
	Others in RRC connected mode	
	Core network originating paging	Under investigation
	UTRAN coordinated paging using DCCH	Under investigation
	UTRAN coordinated paging using PCCH	V3 (Under investigation)
	UE coordinated paging	V3 (Under investigation)
	UTRAN originated paging	V1 (Under investigation)
	Measurement Control and Report	V1
	System Information in RRC connected mode	V1
	Direct Transfer	V1
	RRC Status Procedure	V3
	UE Capability Enquiry	V3
	Ciphering	V1
26.7	Elementary procedures of mobility management	
26.7.1	TMUI reallocation	V1
26.7.2	Authentication	V1
26.7.3	Identification	V1
26.7.4	Location updating	V1
26.7.5	MM connection	V1
26.7.6	Default contents of messages	V1
26.8	Tests related to circuit switched call control	
26.8.1	Circuit switched Call Control (CC) state machine verification	
26.8.1.1	General on CC state machine verification	V1
26.8.1.2	Establishment of an outgoing call	V1
26.8.1.3	Establishment of an incoming call	V1
26.8.1.4	In call functions	
26.8.1.4.1	In-call functions / DTMF information transfer	V1
26.8.1.4.2	In-call functions / user notification	Under investigation
26.8.1.4.3	In-call functions / channel changes	V1
26.8.1.4.4	In-call functions / MS terminated in-call modification	V1
26.8.2	Call Re-establishment	Under investigation
26.8.3	User to user signalling	V3 (Under investigation)
26.8.4	Default contents of message	Reference Env
26.9	Structured procedures	
26.9.1	Structured procedures / general	
26.9.2	Structured procedures / MS originated call / early assignment	Under investigation
26.9.3	Structured procedures / MS originated call / late assignment	Under investigation
26.9.4	Structured procedures / MS terminated call / early assignment	Under investigation

GSM 11.10-1 clause	Title / testing area	Target Release
26.9.5	Structured procedures / MS terminated call / late assignment	Under investigation
26.9.6	Structured procedures / emergency call	
26.9.6.1	Structured procedures / emergency call / idle updated	V1
26.9.6.2	Structured procedures / emergency call / idle, no IMSI	V1
26.9.7	Default contents of messages	V1
26.11	Multiband signalling	
26.11.1	General considerations	
26.11.2	Multi-system signalling / RR	R2000
26.11.3	Multi-system signalling / MM	R2000
26.11.4	Multi-system signalling / CC	R2000
26.11.5	Multi-system signalling / Structured procedures	R2000
26.11.6	Multi-system signalling / Default messages contents	R2000
26.12	Speech Coded Rate signalling	
26.12.1	AMR signalling/ test of the channel mode modify procedure	Under investigation
26.12.2	AMR signalling/ tests of handover	Under investigation
26.12.3	AMR Signalling / Structured procedures / MS originated call / late assignment	Under investigation
26.12.4	Structured procedures / MS terminated call / 1 early assignment	Under investigation
26.12.5	Structured procedures / emergency call	Under investigation
26.12.6	Default contents of layer 3 messages for AMR speech tests	Under investigation
27	Testing of the SIM/ME interface	TSG-T3
28	Test of autocalling restrictions	
28.1	General	V1
28.2	Constraining the access to a single number (GSM 02.07 category 3)	V1
28.3	Constraining the access to a single number (GSM 02.07 categories 1 and 2)	V1
28.4	Behaviour of the MS when its list of blacklisted numbers is full	V1
29	Testing of bearer services	
29.1	General	
29.2	Testing of transparent data services	
29.2.1	Verification of synchronization	V3
29.2.2	Filtering of channel control information for transparent BCs	V3
29.2.3	Correct Terminal Compatibility Decision	V3
29.2..8	Negotiation between TS 61 and TS 62: Mobile Terminated call.	V3
29.2.4	Data Rate Adaptation for Synchronous Transparent Bearer Capabilities	V3
29.2.5	Network Independent Clocking	V3
29.2.6	Asynchronous Transparent Bearer Capabilities	V3
29.2.7	Interchange circuit mapping for transparent bearer capabilities	V3
29.3	Testing of non transparent data services	
29.3.1	Initialization	Under investigation
29.3.2	Data transfer	Under investigation
29.3.3	Negotiation of the RLC parameters	Under investigation
29.4	Facsimile tests for the transparent network support	
29.4.1	General	Under investigation
29.4.2	Mobile originated call	Under investigation
29.4.3	Mobile terminated call	Under investigation
30	Speech teleservices	Under investigation by

GSM 11.10-1 clause	Title / testing area	Target Release
		TSG-T1 as to requirement
31	Test of supplementary services	
31.1	Number identification supplementary services	Under investigation
31.2	Call offering supplementary services	
31.2.1	Call forwarding supplementary services	Under investigation
31.2.2	Call transfer and mobile access hunting supplementary services	Under investigation
31.3	Call completion supplementary services	Under investigation
31.4	Multi-party supplementary services	Under investigation
31.5	Community of interest supplementary services	Under investigation
31.6	Charging supplementary services	
31.6.1	Advice of Charge Charging	Under investigation
31.6.2	Charge Storage	Under investigation
31.6.3	Advice of Charge Information	Under investigation
31.6.4	Default contents of messages	Under investigation
31.7	Additional information transfer supplementary services	Under investigation
31.8	Call restriction supplementary services	
31.8.1	Registration of a password	Under investigation
31.8.2	Erasure	Under investigation
31.8.3	Activation	Under investigation
31.8.4	Deactivation	Under investigation
31.8.5	Invocation	Under investigation
31.8.6	Interrogation	Under investigation
31.8.7	Normal operation	Under investigation
31.9	Handling of undefined (future) supplementary services	
31.9.1	Mobile station initiated Unstructured supplementary service data operation	Under investigation
31.9.2	Network initiated unstructured supplementary service operations	Under investigation
31.10	MMI input for USSD	Under investigation
31.11	Specific message contents and ASN.1 codings	Under investigation
32	Testing of speech transcoding functions	Under investigation by TSG-T1 as to requirement
33	Mobile station features	
33.1	Entry and display of called number	R2000
33.2	Indication of call progress signals	
33.2.4	Ring tone	R2000
33.2.5	Busy tone	R2000
33.2.6	Congestion tone	R2000
33.2.7	Authentication failure tone	R2000
33.2.8	Number unobtainable tone	R2000
33.2.9	Call dropped tone	R2000
33.3	Network selection / indication	R2000
33.4	Invalid and blocked PIN indicators	R2000
33.5	Service indicator	R2000
33.6	Subscription identity management	R2000
33.7	Barring of outgoing calls	R2000
33.8	Prevention of unauthorized calls	R2000
34	Short message service (SMS)	
34.1	General	V3
34.2	Short message service point to point	
34.2.1	SMS mobile terminated	V3
34.2.2	SMS mobile originated	V3
34.2.3	Test of memory full condition and memory available notification:	V3

GSM 11.10-1 clause	Title / testing area	Target Release
34.2.4	Test of the status report capabilities and of SMS-COMMAND:	V3
34.2.5	Test of message class 0 to 3	V3
34.2.6	Test of short message type 0	V3
34.2.7	Test of the replace mechanism for SM type 1-7	V3
34.2.8	Test of the reply path scheme	V3
34.2.9	Multiple SMS mobile originated	V3
34.3	Short message service cell broadcast	V3
34.4	Default message contents:	V3
35	Low battery voltage detection	V1