

Source: T2 Secretary
Title: TSG-T2 Progress Report
Agenda item: 7.1
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Progress Report

TSG-T2 "Mobile Terminal Services and Capabilities"

1 Summary

T2 has held one plenary meeting since TSG-T#6, jointly with SMG4. The meeting was held 1-4 February 2000 in Puerto Vallarta, Mexico hosted by AT&T, Nokia, and Ericsson.

SWG3 (Messaging) had a MMS ad hoc meeting on 22-24 February to complete TS 23.140 MMS stage 2 . It was hosted by Ericsson in Lund, Sweden.

SWG6 (Terminal Features and Performance) had an ad hoc meeting to complete TR 21.904 UE capability requirements on 21st February 2000. It was hosted by NEC and held in Reading, UK and in Yokohama, Japan with TV conference link between 2 sites.

The work was progressed according to the T2 work program. 3 R98 and 18 R99 change requests are presented to TSG-T for approval. Three specifications are presented to TSG-T for approval. Please find below a short summary of the results of each sub working group (SWG):

SWG1 Execution Environment (Chairman: Mark Cataldo, Motorola) has the responsibility for developing and maintaining specifications for a terminal execution environment using wireless, fixed, and cordless access.

A revised version of the CR to GSM 03.57 on the restructuring of chapter 8 on security is presented to TSG-T for approval. The original version approved at TSG-T#6 was not implementable.

The MExE group is currently identifying the areas to be elaborated for MExE Release 2000. The following working areas will be considered: At command support, further definition of VHE user profile, further support of the UA profile, third MEXE classmark using KJava, interaction of MExE with SAT and CAMEL. An ad hoc meeting is scheduled (see meeting calendar) to progress on these issues.

SWG2 Terminal Interfaces (Chairman: Lars Novak, Ericsson) is responsible for the development of specifications relating to external interfaces to terminals, synchronisation issues and for the development of AT commands.

SWG2 discussed whether the work item "Alternative to AT commands" should be removed or not. It was agreed that the need for the work item exists and T2 proposes to shift the work item to R00. The work item could be used to define a specific 3G file structure for OBEX (Object Exchange).

7 CRs introducing several new AT commands related to ASCII were agreed by T2 via correspondence and are presented for approval to TSG-T.

Additional CRs to TS 27.007 on new AT commands and AT command corrections were agreed.

CRs to TS 27.007 and TS 27.010 on UMTS adaptations were agreed. These CRs update the GSM to 3G references and introduce UMTS terminology and editorial improvements.

SWG3 Messaging (Chairman: Ian Harris, Vodafone - Airtouch) has the responsibility for defining UMTS-specific messaging applications to allow non-real time multimedia messaging, a Short Message Service, and Cell Broadcast Services.

MMS stage 2 TS 23.140 was completed at an ad hoc meeting and agreed via correspondence by T2. It is presented for approval to TSG-T as part of R99. While not opposing its approval at this TSG-T meeting, one company (Motorola) still has concerns on the issues of interoperability, backwards compatibility. An ad hoc meeting is scheduled (see meeting calendar) to progress on MMS.

A CR to TS 23.040 was agreed on Enhanced Short Message Service (EMS) proposing an enhancement of the message-contents in SMS. At the moment SMS users are not able to send more than plain text to each other. This proposal provides the users to make messages with features like formatting the text, sounds, small pictures and simple animations.

A comprehensive CR on TS 23.041 "Technical realization of Cell Broadcast Service (CBS)" is presented for approval to TSG-T. Intention is to enlarge the scope of the document TS 23.041 from 'GSM only' to 'GSM and UMTS'.

A CR to TS 23.040 improving SMS email parameters is presented for approval to TSG-T. Another CR to 23.040 on Multiple Information Elements introduces SMS enhancements that benefit from the possibility of multiple use of new Information Elements.

Regarding the work item "Advanced cell broadcast service" input is expected from S1. T2 proposes to move the work item to R00.

SWG4 Services End to End Interworking (no chairman) has the responsibility for the review of end to end services.

SWG4 has currently no activity. It will meet again on an ad hoc basis as the need arises.

SWG5 Multi-system Terminals (Chairman: Sofi Persson, Telia) considers other systems and their multi-mode coexistence with UMTS from a terminal and service point of view. SWG5 is collecting and referring to work already done on multi-mode terminals and from that identify issues that need additional treatment to make usage of multi-mode terminals efficient.

The TR 21.910 "Report on multi-mode UE issues" was completed at the recent T2 meeting and is presented to TSG-T for approval as part of R99.

SWG6 Terminal Features and Performance (Chairman: Kazuya Hashimoto, NEC) covers aspects as terminal safety and environmental requirements. In addition, SWG6 works on general features, reviewing all terminal features and identifying a minimum set of features required to support a given application.

During the SWG6 ad hoc meeting, the report TR 21.904 "UE Capability Requirements (UCR)" was completed. It was agreed by T2 via correspondence and it is presented to TSG-T for approval as part of R99.

T2 collected their input on the 3G vocabulary document TR 21.905 in an LS which is copied to this TSG-T meeting for information (TP-000004).

2 Status of R99 deliverables

Specification	Title	current Version	expected Version after TSG-T#7	Status
3G TR 21.904	UE capability requirements	2.0.0	3.0.0	completed
3G TR 21.910	Multi-system UE issues	2.0.0	3.0.0	completed
3G TR 22.945	Study on provision of facsimile services in GSM and UMTS	3.0.0	3.0.0	completed
3G TS 23.038	Alphabets & Language specific information	3.3.0	3.3.0	completed
3G TR 23.039	Interface protocols for the connection of Short Message Service Centres (SMSCs) to Short Message Entities (SMEs)	3.1.0	3.1.0	completed
3G TS 23.040	Technical realisation of Short Message Service (SMS)	3.3.0	3.4.0	completed
3G TS 23.041	Technical realisation of Cell Broadcast Service	3.1.0	3.2.0	completed
3G TS 23.042	Compression algorithm for SMS	3.1.0	3.1.0	completed
3G TS 23.057	Mobile Station Application Execution Environment (MExE); Functional description	3.0.0	3.1.0	completed
3G TS 23.140	Multimedia Messaging Service (MMS), Functional description	2.0.0	3.0.0	completed
3G TS 27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE - DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	3.1.0	3.1.0	completed
3G TS 27.007	AT command set for 3G User Equipment (UE)	3.3.0	3.4.0	completed
3G TS 27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	3.2.0	3.3.0	completed
3G TS 27.103	Wide Area Network Synchronisation	3.0.0	3.0.0	completed
3G TR 27.901	Report on Terminal Interfaces - An Overview	3.0.0	3.0.0	completed
3G TR 27.903	Discussion of synchronisation standards	3.0.0	3.0.0	completed
3G TR 34.907	Electrical safety requirements and regulations	3.0.0	3.0.0	completed
3G TR 34.925	Specific Absorbtion Rate (SAR) requirements and regulations in different region	3.0.0	3.0.0	completed
	Advanced Cell Broadcast			This work item is proposed to be shifted to R00.
	Alternatives to AT commands			This work item is proposed to be shifted to R00.

3 TSG-T2 Meeting Calendar

Meeting	Date	Location	Host
T2 SWG1 MExE	28-29 March 2000	London, UK	Motorola
T2 SWG3 MMS ad hoc	11-13 April 2000	Tel Aviv, Israel	Comverse
T2#9/SMG4	15-19 May 2000	Utrecht, Netherlands	CMG
T2#10/SMG4	28 Aug - 01 Sep 2000	Galway, Ireland	Logica
T2#11/SMG4	27 Nov - 1 Dec	Japan	Panasonic

T2 and SMG4 meetings will be held jointly by default unless otherwise stated.

4 List of Tdocs submitted to TSG-T#7

Tdoc	Agenda item	Title	Source
TP-000004	5.2.1	LS from T2 cc TSG-T "Additions to 3G TR 21.905" (T2-000135)	T2
TP-000020	5.2.1	T2 Progress Report	T2 secretary
TP-000021	5.2.1	T2 Progress Report (slides)	T2 chairman
TP-000022	5.2.5	T2 work program (status after T2#8 Puerto Vallarta)	MCC
TP-000023	5.2.3	R98 Change Requests for approval	T2
TP-000024	5.2.3	R99 Change Requests for approval	T2
TP-000026	5.2.3	3G TR 21.904 v2.0.0 UE Capability Requirements for approval	T2
TP-000027	5.2.3	3G TR 21.910 v2.0.0 Report on multi-mode UE issues for approval	T2
TP-000028	5.2.3	3G TR 23.140 v2.0.0 Multimedia Messaging Service (MMS) for approval	T2

5 Change Requests submitted to TSG-T#7

5.1 R98 Change Requests

The R98 change requests can be found in **TP-000023**.

T2 Tdoc	Spec	CR	Rev	Ph	Subject	Cat	Version-Current	Version-New	Workitem
T2-000133	03.41	A060		R98	Addition of LCS message identifier to support GPS Navigation message	B	7.2.0	7.3.0	LCS
T2-000030	03.57	A002	1	R98	Chapter 8 restructuring (Corrections MExE release 98, chapter 8)	F	7.1.0	7.2.0	MExE
T2-000048	03.57	A003		R98	Corrections to WAP chapters	F	7.1.0	7.2.0	MExE

5.2 R99 Change Requests

The R99 change requests can be found in **TP-000024**.

T2 Tdocs	Spec	CR	Rev	Ph	Subject	Cat	Version-Current	Version-New	Workitem
T2-000100	23.040	009		R99	Enhancement of the Message Content in SMS	B	3.3.0	3.4.0	MMS
T2-000136	23.040	010		R99	SMS multiple information elements	B	3.3.0	3.4.0	TEI
T2-000129	23.040	011		R99	SMS E-MAIL PARAMETERS	B	3.3.0	3.4.0	TEI
T2-000134	23.041	003		R99	Addition of LCS message identifier to support GPS Navigation message	A	3.1.0	3.2.0	LCS
T2-000130	23.041	004		R99	Adaptation of the scope of TS 23.041 from "GSM only" to "GSM and UMTS" part II	F	3.1.0	3.2.0	CBS
T2-000047	23.057	001		R99	Corrections to WAP chapters	F	3.0.0	3.1.0	MExE
T2-000049	23.057	002		R99	QoS	F	3.0.0	3.1.0	MExE
T2-000058	27.007	023		R99	Deletion of the +CROT? read command	F	3.3.0	3.4.0	TEI
T2-000072	27.007	025		R99	Adaptations for UMTS	F	3.3.0	3.4.0	TEI
T2-000059	27.007	026		R99	References to ASCII Specifications	D	3.3.0	3.4.0	ASCII

T2-000060	27.007	027		R99	Abbreviations related to ASCI	D	3.3.0	3.4.0	ASCI
T2-000061	27.007	028		R99	Priority indication in +CLCC, List Current Calls	B	3.3.0	3.4.0	ASCI
T2-000062	27.007	029		R99	Indication of priority, sub-address, sub-address type and TS 91/TS92 in +CRC, Cellular Result Codes	B	3.3.0	3.4.0	ASCI
T2-000063	27.007	030		R99	Commands for ASCI	B	3.3.0	3.4.0	ASCI
T2-000064	27.007	031		R99	Commands for eMLPP	B	3.3.0	3.4.0	ASCI
T2-000065	27.007	032		R99	Example for usage of priority	B	3.3.0	3.4.0	ASCI
T2-000071	27.007	024		R99	Additional format(4 digits) for +CCLK	B	3.3.0	3.4.0	TEI
T2-000057	27.010	005		R99	Adaptations for UMTS	F	3.2.0	3.3.0	TEI