

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

Progress Report

TSG-T2 "Mobile Terminal Services and Capabilities"

1. Summary

TSG-T2 had one meeting since T#5. T2#7 was held 22-26 November 1999 in Ystad, Sweden hosted by Ericsson. The meeting was held jointly with SMG4.

In addition, SWG3 "Messaging" had ad hoc meetings on MMS stage 1 and stage 2 held on November 9th and 10th in Ascot, UK hosted by Motorola.

The work was progressed according to the T2 work program. Six 2G and sixteen 3G change requests are presented to TSG-T for approval. Three specifications are presented to TSG-T for information, two 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.

The MExE group has completed 3G TS 23.057 MExE R99 which is presented as version 2.0.0 (TP-99242) for approval to this TSG-T meeting. The enhancements of MExE R99 are: SIM MExE certificate management, security clarifications, QoS aspects. During the development of MExE R99, some necessary corrections for MExE R98 were identified, and are presented for approval to this TSG-T meeting.

The MExE group is currently identifying the areas to be elaborated for MExE Release 2000.

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.

3G TR 27.901 v2.0.0 "Report on Terminal Interfaces- An Overview" (TP-99238) is presented to TSG-T for approval.

Several change request on AT commands (7 CRs to 3G TS 27.007 and 2 CRs to GSM 07.07) are presented to TSG-T for approval.

No contributions were received on the work item "Alternatives to AT commands".

IrDA asked for 3GPP to sign a Memorandum of Understanding (MoU) concerning the exchange of information, sanctity of their intellectual property etc. This issues is currently treated by the PCG.

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.

During the SWG3 Multimedia Messaging Service (MMS) ad hoc meeting, work on the stage 1 3G TS 22.140 was continued and the document was agreed at the following S1 meeting. Furthermore, good progress was made on the MMS stage 2 3G TS 23.140 (TP-99241). However, MMS stage 2 is not yet stable enough to be presented for approval. New target is to complete it at TSG-T#7 in March as part of R99. It is presented to this meeting for information. SWG3 feels that the work to fully integrate MMS into VHE is unlikely to be completed for Release 99.

A comprehensive CR on 3G 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 3G TS 23.041 from 'GSM only' to 'GSM and UMTS'. Furthermore, CRs to 23.038, 23.040, 23.042 and 27.005 on amendments for UMTS are presented for approval to TSG-T. These CRs update the GSM to 3G references and introduce UMTS terminology and editorial improvements.

At their last meeting, T2 discussed CRs to 3G TS 23.038 and 23.040 on SMS enhanced message content. These CRs allow R99 implementations of SMS to contain simple pictures, tones and other enhancements. T2 has agreed in principle that these enhancements are very worthwhile for SMS in R99. However, agreement on all details of the CRs could not be reached in time for this TSG-T meeting. T2 would like TSG-T to approve this feature in principle (as part of the work package MMS), and to accept the presentation of the final CRs to the next TSG-T meeting in March 2000 for approval.

So far, there was only little input regarding an enhanced cell broadcast service. This work item will not be completed in 1999 as already announced at TSG-T#5.

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 on an ad hoc basis as the need arises.

SWG5 Multi-system Terminals (Chairman: Sofi Persson, Telia) will consider 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 title was changed to 3G TR 21.910 "Multi-mode UE issues" (TP-99240). The scope has been narrowed and now only includes UMTS and GSM as possible modes for the UE. Although good progress was made on the report, it is not considered as stable enough to be presented for approval to TSG-T. At this TSG-T meeting, it is presented for information. It is intended to be completed at TSG-T#7 as part of R99.

There was no further input on Terminal Categorisations for UMTS.

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.

The title of the report 3G TR 21.904 (TP-99239) was changed from "Terminal Capability Requirements (TCR)" to "UE Capability Requirements (UCR)". Although good progress was made on the report, it could not be completed for this TSG-T meeting. The revised target is TSG-T#7 for approval as part of R99. Additional input is expected from other WGs and individual companies to complete the report. At this TSG-T meeting, it is presented for information.

2 Status of R99 deliverables

Specification	Title	current Version	expected Version after TSG-T#6	Status
3G TR 21.904	UE capability requirements	1.1.0	1.1.0	not completed yet TSG-T#7 is the new target for approval as part of R99
3G TR 21.910	Multi-system UE issues	1.3.2	1.3.2	not completed yet TSG-T#7 is the new target for approval as part of R99
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	3.2.0	3.3.0	mainly completed, additional CR for R99 on SMS enhanced message content expected at TSG-T#7
3G TS 23.039	Interface protocols for the connection of Short Message Service Centres (SMSCs) to Short Message Entities (SMEs)	3.0.0	3.1.0	completed
3G TS 23.040	Technical realisation of Short Message Service (SMS)	3.2.0	3.3.0	mainly completed, additional CR for R99 on SMS enhanced message content expected at TSG-T#7
3G TS 23.041	Technical realisation of Cell Broadcast Service	3.0.0	3.1.0	additional CR for R99 on UMTS amendments expected at TSG-T#7
3G TS 23.042	Compression algorithm for SMS	3.0.0	3.1.0	completed
3G TS 23.057	Mobile Station Application Execution Environment (MExE); Functional description	2.0.0	3.0.0	completed
3G TS 23.140	Multimedia Messaging Service (MMS), Functional description	1.0.0	1.0.0	not completed yet TSG-T#7 is the new target for approval as part of R99
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)	3.0.0	3.1.0	completed
3G TS 27.007	AT command set for 3G User Equipment (UE)	3.2.0	3.3.0	additional CR for R99 on UMTS amendments expected at TSG-T#7
3G TS 27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	3.2.0	3.2.0	additional CR for R99 on UMTS amendments expected at TSG-T#7
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	2.0.0	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 Absorption Rate (SAR) requirements and regulations in different region	3.0.0	3.0.0	completed
	Advanced Cell Broadcast			little input, will not be completed in 1999
	Alternatives to AT commands			no input, will not be completed in 1999

3. TSG-T2 Meeting Calendar

Meeting	Date	Location	Host
T2#8/SMG4	31 Jan - 4 Feb 2000 (first day joint with CN, SA2)	Puerto Vallarta, Mexico	T1
T2#9/SMG4	15-19 May 2000	Utrecht, Netherlands	CMG
T2#10/SMG4	28 Aug - 01 Sep 2000	Ireland	Logica
T2#11/SMG4	27 Nov - 1 Dec	Japan	Panasonic

Additionally, separate SWG meetings will be held. No dates fixed yet.

It was decided that T2 and SMG4 meetings will be held jointly by default unless otherwise stated.

4. List of Tdocs submitted to TSG-T#6

Tdoc	Agenda item	Title	Source
TP-99233	7.1	T2 Progress Report	T2 secretary
TP-99234	7.1	T2 Progress Report (slides)	T2 chairman
TP-99235	7.4	T2 work program (status after T2#7 Ystad)	MCC
TP-99236	7.3	2G Change Requests for approval	T2
TP-99237	7.3	3G Change Requests for approval	T2
TP-99238	7.3	3G TR 27.901 v2.0.0 Report on Terminal Interfaces - An Overview for approval	T2
TP-99239	7.3	3G TR 21.904 v1.1.0 UE Capability Requirements for information	T2
TP-99240	7.3	3G TR 21.910 v1.3.2 Report on multi-mode UE issues for information	T2
TP-99241	7.3	3G TR 23.140 v1.0.0 Multimedia Messaging Service (MMS) for information	T2
TP-99242	7.3	3G TR 23.057 v2.0.0 Mobile Station Application Execution Environment (MExE) stage 2 for approval	T2

5 List of Change Requests submitted to TSG-T#6

5.1 List of 2G Change Requests

The 2G change requests can be found in **TP-99236**.

T2 Tdoc	Spec	CR	Ph	Subject	Cat	Version-Current	Version-New	Workitem
T2-99983	03.40	A089	R98	Concatenated Short Message	F	7.3.0	7.4.0	TEI
T2-991061	03.41	A059	R98	LCS Utilization of CBS	B	7.1.0	7.2.0	LCS
T2-991120	03.57	A002	R98	Corrections MExE release 98, chapter 8	F	7.0.0	7.1.0	MExE
T2-991119	03.57	A001	R98	Corrections MExE release 98, chapter 1-7	F	7.0.0	7.1.0	MExE
T2-99961	07.07	A085	R98	Clarification to result codes for +CLIP +CCWA	F	7.4.0	7.5.0	TEI
T2-99956	07.07	A084	R98	GPRS ATD command syntax	C	7.4.0	7.5.0	GPRS

5.2 List of 3G Change Requests

The 3G change requests can be found in **TP-99237**.

T2 Tdoc	Spec	CR	Ph	Subject	Cat	Version-Current	Version-New	Workitem
T2-99976	23.038	003	R99	Adaptations for UMTS	D	3.2.0	3.3.0	TEI
T2-991144	23.039	001	R99	Adaptations for UMTS	D	3.0.0	3.1.0	TEI
T2-991065	23.040	006	R99	Duplicate messages	C	3.2.0	3.3.0	TEI
T2-991069	23.040	007	R99	Adaptations for UMTS	D	3.2.0	3.3.0	TEI
T2-99982	23.040	008	R99	Concatenated Short Message	A	3.2.0	3.3.0	TEI
T2-991062	23.041	002	R99	LCS Utilization of CBS	A	3.0.0	3.1.0	LCS
T2-991064	23.041	001	R99	Adaptation of the scope of TS 23.041 from "GSM only" to "GSM and UMTS"	D	3.0.0	3.1.0	CBS
T2-99980	23.042	001	R99	Adaptations for UMTS	D	3.0.0	3.1.0	TEI
T2-991074	27.005	001	R99	Adaptations for UMTS	D	3.0.0	3.1.0	TEI
T2-99954	27.007	019	R99	AT-commands for Enhanced QoS Support management.	B	3.2.0	3.3.0	Enhanced QoS Support in GPRS.
T2-99957	27.007	020	R99	Packet Domain ATD command syntax	C	3.2.0	3.3.0	GPRS
T2-99958	27.007	021	R99	Additional parameter for +CBST	B	3.2.0	3.3.0	TEI
T2-991050	27.007	017	R99	AT command for Frame Tunnelling Mode (FTM)	B	3.2.0	3.3.0	FTM
T2-991049	27.007	016	R99	Clarification to result codes for +CLIP +CCWA	F	3.2.0	3.3.0	TEI
T2-99960	27.007	022	R99	Add new AT command (+CDIP) to inform the called line identification	B	3.2.0	3.3.0	TEI
T2-991128	27.007	018	R99	New AT command for application protocols activation	B	3.2.0	3.3.0	TEI