Source: Secretary TSG-Terminals

Title: Report of TSG-T#6 meeting, Nice, France, 13-15 December 1999

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1 Opening of the meeting

Sang-Keun PARK (SAMSUNG), TSG-T Chairman, welcomed the delegates and expressed the appreciation of the host's effort setting up the LAN facility following the model set up in Kyungju, KOREA. Sang-Keun PARK pointed out that TSG-T has done a lot of excellent work during the year looking back at the first plenary in Sophia Antipolis a year ago and wished a fruitful meeting in concluding Release 99.

83 delegates attended the 6th meeting of 3GPP TSG-Terminals (TSG-T#6) from 13-15 December 1999, held at the Acropolis Conference Centre in Nice, FRANCE. The meeting was organised by ETSI and the meeting LAN was sponsored by NORTEL.

The meeting was chaired by Sang-Keun PARK (SAMSUNG), TSG-T Chairman, assisted by the two TSG-T Vice Chairmen Kevin HOLLEY (BT) and Ed EHRLICH (NOKIA USA) and the TSG-T Secretary, Adrian ZOICAS (ETSI MCC).

Christopher CORBETT (Head of Marketing at the ETSI Secretariat) welcome the delegates to Nice one-year after the creation of the 3GPP and wished them success for the approval of Release 99.

2 Approval of Agenda & Registration of documents

The draft agenda (Agenda.doc) was approved with the addition of TP-99265, draft report from SA#5, and together with the list of meeting documents can be found in annex. All the meeting documents are available on the 3GPP server at http://www.3gpp.org/ftp/TSG_T/TSG_T/TSGT_06/Docs/

3 Report of TSG-T#5 Kyongju, 7-8 Oct 99

The DRAFT report of the previous meeting, TSG-T#5 held in Kyongju, KOREA on 7-8 October 1999, was presented in TP-99225. TSG-T approved the report after incorporating the text proposed by Rune LINDHOLM (Nokia) at the TSG-T#6 meeting in Nice. The APPROVED report can be found in document TP-99275 at http://www.3gpp.org/ftp/TSG_T/TSG_T/TSGT_05/report/.

3.1 Follow-up on Action points / Outstanding issues

The chairman presented TP-99224 which contains all TSG-T #5 documents that had been agreed for submission to TSG-SA #5. A summary of the TSG-SA feedback to TSG-T on these documents is contained below. For further information, see the TSG-SA #5 report.

- TP-99203 (in SP-99457) LS from TSG-T to TSG-SA on "Terminology and vocabulary in 3GPP"
 - ⇒ TSG-SA noted the input and proposed that a new vocabulary document (TR 21.905) be created under the responsibility of S1.
- TP-99205 (in SP-99473) LS from TSG-T to TSG-SA, CN & RAN "Definitions used for the Mobile Station/Terminal"
 - ⇒ TSG-SA noted the input and as a result, produced a definition of the terms ME and UE.
- TP-99212 (in SP-99458) LS from TSG-T to TSG-SA "Distribution of a proposal for prioritisation of the elaboration of conformance test cases for 3G terminals"
 - ⇒ TSG-SA noted the proposal and also that noted that TSG T will elaborate a first proposal which will be forwarded to the SDOs via the PCG for the SDOs to liaise with regulatory bodies for feed-back.
- TP-99219 (in SP-99419) LS from TSG-T to TSG-SA "How to handle approval of MS Conformance Test Specifications coupled to a particular 3GPP release"
 - ⇒ TSG-SA confirmed the principle of the inclusion of particular specifications in the release set even if they are not ready for the release deadline. However, it was clearly indicated that any delay should be minimised.

- TP-99222 (in SP-99420) LS from TSG-T to TSG-SA "Resource situation and the general strategy and status of the elaboration of test cases"
 - ⇒ TSG-SA noted that this request is in addition to the requests already being made for resources for project teams for TTCN and SIM testing. TSG T was asked to consider how the work should be split between T WG1 and a potential project team. It was agreed that a description of the work split and cost estimates for the work should be specified by TSG-T before final decision on this can be taken on the issue.
- TP-99217 (in SP-99421) TSG-T Position paper on "Supplement to Recommendation Q.1701" (proposal to change to figure 3.2 and add references to certain T3 specifications)
 - ⇒ TSG-SA noted the position paper and interested parties were invited to use them as a basis for their contributions to ITU-T.
- TP-99220 (in SP-99422) TSG-T Position paper #2 on "Supplement to Recommendation Q.1701" (proposal to add references to certain T2 specifications)
 - ⇒ TSG-SA noted the position paper and interested parties were invited to use them as a basis for their contributions to ITU-T.

It was noted that TP-99224 also contained the TSG-T chairman's status presentation to TSG-SA (in SP-99475) and status report to TSG-SA in SP99476.

The chairman also reported back several other items of interest to TSG-T:

- each TSG was requested to present a final list of release 99 specification to TSG-SA #6;
- a template was provided to itemise outstanding release 99 issues within each specification;
- each release will be defined by a document (similar to 3G TS 21.101 for Release 99) detailing the Features, Specifications and Reports contained in that specific Release.
- the 3GPP work program will be managed using a simple model of Features, Building Blocks and Work Tasks. This means that each work item would have to be classified as on of these three categories.
- TSG-SA requested that in order to minimise the number of liaisons in TSG meetings, and to maximise working efficiency of the groups, matters should be discussed between groups, utilising the "Leaders' e-mail exploder list" and MCC before raising formal liaisons.
- following a poll at SA#5, it was decided to work 100% electronically at TSG meetings.
- as a guideline, TSG-SA suggested that all TSG and (S)WG meetings should not exceed a maximum of 10-hours of meeting time per day.

4 Chairman's report and Objectives for meeting TSG#6

4.1 PCG activity

There was no PCG meeting since the last TSG-T#5 meeting in October 99.

IPv6 Forum

3GPP and the IPv6 Forum, the world-wide consortium of Internet industry players founded to promote IPv6 (Internet Protocol version 6), have signed a co-operation agreement to create synergies between both organisations in the promotion of the Next-Generation of Internet Protocols and their integration into the telecommunications' arena. The TSGs/WGs were invited to actively liaise with the IPv6 Forum (T2 seems to be the candidate from TSG-T).

4.2 Objectives for meeting#6

The Chairman pointed out that the prime objectives of the TSG#6 meeting are:

- To finalise the R99 deliverables of TSG-T.
- To identify WHAT from R99 CANNOT be completed or delivered as version 3.0.0 in December 1999.
- For identified R99 delays, to propose rescheduled targets for completion (or achieving version 3.0.0).

• To identify the exact status of the TSG-T deliverables for R99.

5 Letters and reports from other groups, LS incoming

Delegates complained about dealing late (at TSG meetings) with several months old Liaison Statements.

Although LSs are provided via email reflectors with a maximum delay of a few days within MCC, delegates were unsatisfied to deal with them several months later at the next TSG plenary meeting.

It was also suggested that MCC should add on the cover of the LS the despatch date of the respective LS.

5.1 From other TSGs

TP-99227: Response to LS on "Connectionless services during the call" from RAN to S1 (copy to S2, R2, TSG-T) was noted.

TP-99243: LS from S1 to RAN, R2 (copy to S2, TSG-T) on "Cell Broadcast Service (CBS) Reception in Connected Mode" was noted.

Both documents TP-99227 and TP-99243 have been sent to T2 for further investigation.

5.2 From outside 3GPP

TP-99228: LS on "replacement antennas" from ETSI SMG2 to TCAM, GSM Association-TWG, GTAAB (copy to TSG-T) was noted.

The use of replacement antennas (ex. "twinkling replacement antennas") increases the interference, which may have a significant impact on the performance of a network. Regulatory bodies see the antenna as a passive device that does not need regulation. This assumption can no longer be seen as valid, as the measurements show a significant impact of these on the efficient use of spectrum, and causing serious harm to operators and services. TCAM (Telecommunication Conformity Assessment and Market Surveillance committee under the European R&TTE Directive articles 13, 14, 15), which is an EU Member States Consultative Committee, was asked to consider which regulatory means exist or can be developed to solve these problems. In parallel other ETSI Technical Bodies were asked to use their influence to minimise the problem created by "twinkling replacement antennas". So far there were no comments from the regulatory side.

TP-99262: "User Identification solutions in converging networks" from Mike PLUKE, Castle Consulting Ltd. (representing ETSI TC HF (Human Factors)). As a result of the ever increasing array of communications systems, each with their own means of identifying users (e.g. email addresses, telephone numbers – fixed and mobile, WEB URLs, ICQ identifiers, etc.), ETSI TC HF has concluded that a fresh look is required as to how to identify users. To this end, a project team has been formed to discover and clarify the issues involved in identifying the person with whom a user wishes to communicate (these are the user requirements), to identify the human factors issues involved in requesting and using the identity of the person with whom a user wishes to communicate (these are the usability issues) and to identify the network and service issues to be observed in realising a system to aid the identification of users in future converging networks and telecom/IT services (these are the implementation issues).

The presentation was noted and members of TSG-T interested in this work were invited to directly contact:

Mike PLUKE Castle Consulting Ltd. 76 Cowper Street Ipswich IP4 5JA

England

Email: Mike.Pluke@castle-consult.com

Tel: +44 1473-274 303

Fax: +44 171-681 1606

6 WG T1 Mobile Terminal Conformance Testing

Bjarke NIELSEN (SONY), T1 Chairman, assisted by Lidia SALMERON (ETSI MCC), T1 Secretary, presented the progress of WG T1 (TP-99244, TP-99245, TP-99261).

TP-99244	T1 Status report - for approval
TP-99245	Minutes of T1 meeting#5 - for information
TP-99261	TSG-T1 Release'99 submission forms - for approval

6.1 34.108 "Common Test Environments for UE Conformance Testing"

TP-99246 New WI - 34.108 - **for approval**

Dan FOX (Anritsu, UK) presented TP-99246.

TS 34.108 should contain definitions of reference conditions and test signals, default parameters, reference Radio Bearer configurations, common requirements for test equipment and generic set-up procedures for use in UE conformance tests. Target schedules proposed are v1 in March and v3 in June 2000.

References: [1] TS 34.123-1, [2] TS 34.121, [3] TS 34.122, [4] TS 34.124, [5] TS 34.109.

Purpose

In general, test cases for signalling [1], RF [2][3] and EMC [4] conformance require the UE to be in a well-defined state prior to executing the test sequence.

There are a large number of test cases, and a much smaller number of starting states, with many test cases starting from identical, or similar, states.

Because of the commonality between starting states and other initial and environmental parameters for executing the test cases, it is desirable to maintain these items in a single, common, specification that can be reference by test cases in [1], [2], [3] and [4].

Rapporteur: to be nominated by Anite Telecoms

Supporting Companies: ANRITSU Ltd., Ericsson, Anite Telecoms, SONY

Decision:	TSG-T approved a new work item TS 34.108 for Release '99 on "Common Test Environments for
	User Equipment (UE) Conformance Testing".

Action: TSG-T to forward the New WI to TSG-SA#6 for endorsement.

Outstanding Release 99 issues are listed in annex E.4.9. The R99 Completion date is 06-2000.

6.2 34.109 "Terminal Logical Test Interface; Special conformance testing functions"

Mitsuru YOKOYAMA (Agilent Technologies, Japan) reported that TS 34.109 specifies terminal functions required for conformance testing purposes (for both TDD and FDD modes). The current status is v1.1.0 and the work is on schedule with v3 planned for June 2000.

Outstanding Release 99 issues are listed in annex E.4.10. The R99 Completion date is 06-2000.

6.3 34.121 "Terminal Conformance Specification, Radio Transmission and Reception (FDD)"

TS 34.121 (achieved v1 in Jun 99) contains the measurement procedures for transmitting characteristics, receiving characteristics and the *performance requirements* in FDD mode. At present, there is a 3 months delay compared to core specifications. Many of the RAN deliverables are undergoing substantial changes. Therefore 34.121 cannot be stabilised for another 3 months.

Decision: TSG-T approved a 3 months delay for TS 34.121 (i.e. v3 target moves from December 99 to Mar 2000).

Outstanding Release 99 issues are listed in annex E.4.11. The R99 Completion date is 03-2000.

6.4 34.122 Terminal Conformance Specification, Radio Transmission and Reception (TDD)

TP-99247 34.122 v1.0.0 - for information

Dan FOX (Anritsu, UK) presented TP-99247.

TS 34.122 contains the measurement procedures for the transmitting characteristics, the receiving characteristics and the *performance requirements* in TDD mode. Work has been accelerated and can now be part of Release 99. The target date for v3 has been pulled forward from December to June 2000 in order for being included in Release 99. Contributions are basically submitted by one company - hence a relative high risk for meeting the target schedule. More voluntary resources are required. Version 1.0.0 was presented for information in TP-99247.

Decision: TSG-T pulled forward the target date for v3 to June 2000 in order for being included in R99.

Outstanding Release 99 issues are listed in annex E.4.12. The R99 Completion date is 06-2000.

Core specification for this deliverable are:

TS25.102 "UTRA (UE) Radio Transmission and Reception"
TS 25.123 "Requirements for Support of Radio Resource Management (TDD)"

Serving specifications for this deliverable are:

TS34.109 "Terminal logical test interface (FDD/TDD)" TS 34.108 "Common Test Environment"

Peer specifications with respect to this deliverable are:

TS 34.121 "Terminal Conformance Specifications; Radio Transmission and Reception (FDD)"

TS 25.142 "Base Station Conformance Testing (TDD)"

TS 25.141 "Base Station Conformance Testing (FDD)"

Outstanding Issues:

Performance Requirements (excluding RRM issue) March 2000
Performance Requirement (RRM issue) June 2000 (uncertain)

Target for R99:

Transmitter Characteristics Receiver Characteristics Performance Requirements

Re-allocation to R00:

Confidence level for statistical measurements

Requirements for test equipment

Complete range of test points and environmental conditions required for each test (frequency range, voltage, etc.)

6.5 34.123-1 UE Conformance Specification, Part 1 – Conformance specification

TP-99248 34.123-1 v1.0.0 - for information

TS 34.123-1 contains a prose description of the test cases. Version 1.0.0 was presented for information in TP-99248 and v3 target remains June 2000.

A question arose about the applicability of TS 34.123-1 to both FDD and TDD modes. Dan FOX (Anritsu, UK) explained that this document will cover the majority of FDD / TDD cases.

Outstanding Release 99 issues are listed in annex E.4.13. The R99 Completion date is 06-2000.

6.5.1 New Request for funded work on "3G UE Test Description for R99"

In order to accelerate the implementation of test cases, the last TSG-T#5 meeting proposed an additional task team to support this activity. The planned activities without such a team were indicated at the last meeting in TP-99171; i.e. a "Pure 3G environment" as a minimum set for R99 functionality supported by T1 test cases and TTCN descriptions:

Idle mode functions Voice call functions (incl. emergency call) Circuit switched data (up to 64 kbit/s) + Fax Auto-calling (restrictions) SMS (PP & CB)

Assuming that none of the core specifications are delayed and if sufficient contributions/funding would be provided, T1 could also include the "multi-system (GSM/3G)" support and "Packet data".

TP-99260	Test case Task team project plan - for approval
TP-99267	REVISED Test case Task team project plan - approved by TSG-T

SA#5 asked TSG-T to make a proposal on the setting-up of a Task team to provide T1 with necessary resources for producing the UE test description in prose, and to shorten the delay between Release of 3G <u>core</u> specifications and the same Release of UE <u>test</u> specification. This Task team <u>is in addition</u> to the requests already made for <u>TTCN</u> (1014 kEuro) and <u>SIM testing</u> (156 kEuro).

The requested Task team should consist of three experts. Each expert should work for three months in the team. The total effort is estimated to 9 MM. Organisations willing to accelerate the completion of test descriptions for R99 and R00 are encouraged to send their signalling specialists as candidates for the team to work at ETSI for a certain time period. The major task is to produce test purposes and test descriptions for UE supporting Packet Data service. If time permits, the team should continue to work on the inclusion of other items into TS 34.123-1 that are part of R99 core specs, but are not currently resourced.

John FENN (Samsung) proposed to use resources from SMG7. Dan FOX (ANRITSU) clarified that this was already considered in the migration of work from SMG7 to 3GPP.

Gunilla BRATT (Ericsson) asked whether multi-system issues were covered by this work. Dan FOX replied that test cases for multi-system environment were included in the proposal. Gunilla BRATT asked that this should clearly be included in the ToR as it is the case for the Packet Data service.

Decision:	TSG-T approved the T1 request for the Task team and its ToR (TP-99267).		
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Action:	TSG-T to forward the request/ ToR:		
	- to TSG-SA#6 for endorsement,		
	- to PCG for the final approval and decision for funding.		

6.6 34.123-2 UE Conformance Specification, Part 2 – ICS

TP-99249	34.123-2 ICS v1.0.0 - for information

TS 34.123-1 "User Equipment (UE) conformance specification. Part 2: Implementation Conformance Statement (ICS)" contains a list of capabilities which can / should be implemented in a 3G terminal. Version 1.0.0 was presented for information in TP-99249. The v3 target is June 2000.

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a telecommunication specification. Such a statement is called an Implementation Conformance Statement (ICS). TS 34.123-2 provides ICS proforma for 3G UE and it directly depends on TR 21.904 (UE Capability Requirements) elaborated by T2. This ICS is to be used for RF, protocol and EMC testing.

Outstanding Release 99 issues are listed in annex E.4.14. The R99 Completion date is 06-2000.

Rune LINDHOLM requested clarification on the difference between the T1 and T2 deliverables and on the need to base the T1 on the stable T2 (v3.0.0 document).

Dan FOX (Anritsu, UK) answered that ICS proforma is a test specification, so it is not a duplication of work with TR 21.904 (UE Capability Requirements) elaborated by T2.

6.7 34.123-3 "UE Conformance Specification, Part 3 – ATS"

TP-99258	TTCN Task team project plan - for approval
	TTCN Task team ToR - for approval

The TTCN Task team project/structure plan is presented in TP-99258. The start of work is delayed by 3 months due to lack of funding. The ToR of the TTCN Task team is contained in TP-99259.

T1 Signalling SWG has been asked to provide an Abstract Test Suite in TTCN for testing conformance of 3GPP User Equipment. TP-99258 proposes an outline work-plan for assembling this test suite during year 2000. The proposal assumes that a team of TTCN experts funded by 3GPP will be in place early in 2000 to provide key parts of the test suite. It also assumes that voluntary contributions will be provided to complete the work.

Discussions continue between the 3GPP organisation Partners on the necessary 3GPP funding for creation of a Task team developing 3GPP test specifications for UE. Not all of the Partners have signalled their agreement to contribute to this work. The activities cannot proceed until funding has been agreed.

The total budget required for this task is 1014 kEuro. The 3G TTCN Task will be spread over 3 years so more than one third of that budget is required in the year 2000. ETSI GA34 approved the ETSI MCC budget for 2000 including the ETSI contribution to the Task.

The intention is that as soon as the 3G Partners agree on the funding matters the Task team on the 3G TTCN specification can be immediately launched.

John FENN (Samsung) expressed support for this work and mentioned that TTCN experts were a scarce resource.

Rune LINDHOLM (Nokia) asked whether R96 base documents were relevant. Shisheng HU (ETSI PTCC, MCC) responded that R96 were the most recent GSM TTCN specifications.

Decision:	TSG-T approved the project plan of the Task team and its ToR (TP-99259).		
Action:	TSG-T to forward the project plan / ToR:		
	- to TSG-SA#6 for endorsement,		
	- to PCG for final approval / agreement.		

Outstanding Release 99 issues are listed in annex E.4.15. The R99 Completion date is 03-2001.

Gunilla BRATT (Ericsson) proposed to outline in a short document the complete picture of all funding requests and their approval status by OP/PCG. This was supplied later as TP-99276, which was further revised as TP-99278.

TP-99278 Summary of Project funding request from TSG-T (revision of TP-99276)

6.8 34.124 "EMC for Terminal equipment"

Version 1.0.0 was presented at the previous TSG-T meeting for information and v3 target is March 2000. It contains a superset of regulatory EMC requirements for 3G terminals as know to T1. This document depends on TS34.108.

Outstanding Release 99 issues are listed in annex E.4.16. The R99 Completion date is 03-2000.

6.9 T1 qualification status for R99 in December 1999

Reference	Title	Status	R99	Submission
			Completion date	Form attached
TS 34.108	Common Test Environments for User Equipment (UE) Conformance Testing	0.0.0	06-2000	Yes
TS 34.109	Terminal Logical Test Interface (FDD & TDD)	1.1.0	<mark>06-2000</mark>	Yes
TS 34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	1.4.0	03-2000	Yes
TS 34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	1.0.0	<mark>06-2000</mark>	Yes
TS 34.123-1	UE conformance specification; Part 1: Conformance specification (3G TS 34.123-1)	1.0.0	<mark>06-2000</mark>	Yes
TS 34.123-2	UE conformance specification; Part 2: ICS proforma specification (3G TS 34.123-2)	1.0.0	<mark>06-2000</mark>	Yes
TS 34.123-3	UE conformance specification; Part 3: Abstract Test Suites (3G TS 34.123-3)	0.0.0	03-2001	Yes
TR 34.124	Electro-Magnetic Compatibility (EMC) for terminal equipment	1.0.0	03-2000	Yes
NOTE: Ou	ststanding Release 99 issues on the above deliverables are listed in annex E.4.9 to E.4.16.			

6.10 34.910 Identification of Test requirements for regulatory purposes in different regions/countries

This TR (part of Release 2000) should contain a list of the prioritised test cases identified by TSG1-T1. The input will come from the SDOs (or entities behind the SDOs). The LS (approved at TSG-T#5) prompting the SDOs for feedback, will be sent out as soon as the T1 prompting material has been stabilised. Target dates are: v1 in March 2000 and v3 in March 2001.

6.11 Audio testing

T1 had a joint meeting with ETSI STQ, where it was agreed to establish a work relationship regarding audio testing. Later on however S4 informed T1 that it also intends to produce audio test specifications. T1 accepted this and assumes that S4 and STQ will establish a relationship, if there is a need. T1 sent an LS to S4 for clarifying this.

T1 believes that the Test interfaces/ environments and the format should be common for the T3 (USIM) and S4 (audio) test specifications.

6.12 TSG-T1 Meeting Calendar

Meeting	Date	Location	Host
TSG T1/RF #10	24-26 Jan	San Jose (USA)	Anritsu
TSG T1/SIG #8	24-26 Jan	San Jose (USA)	Anritsu
TSG T1/EMC #8	22-23 Feb	Munich	R&S
TSG T1/RF #11	21-23 Feb	Munich	R&S
TSG T1/SIG #9	21-23 Feb	Munich	R&S
TSG T1/EMC#9	21-23 Feb	Munich	R&S
TSG T1 #6	24-25 Feb	Munich	R&S
TSG T1 #7 + SWGs	5-9 June	Anritsu	UK

T1#8	21-22 Sep 2000	TBD	TBD
T1/RF/SIG/EMC	4-6 Dec 2000	TBD	TBD
T1#9	7-8 Dec 2000	TBD	TBD

T1 and its SWGs meet the week between RAN4 and TSG-T.

SWGs should meet at least once in-between each T1/SWG meeting.

As date/location/host may change, the on-line 3GPP meeting calendar should be consulted at:

http://webapp.etsi.org/meetingcalendar/QueryForm.asp

WG T2 Mobile Terminal Services and Capability

Kevin HOLLEY (BT), T2 Chairman, assisted by Friedhelm RODERMUND (ETSI MCC), T2 Secretary, presented the progress of WG T2 (TP-99233, TP-99234, TP-99235).

TP-99233	T2 Progress Report - for approval
TP-99234	T2 Progress Report (slides)
TP-99235	T2 work program (status after T2#7 Ystad) - for approval

Approval of 2G Change Requests 7.1

TP-99236	2G Change Requests - for approval

Kevin HOLLEY presented TP-99236. TSG-T approved the following 2G Change Requests:

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	В	7.1.0	7.2.0	LCS
T2-991119	03.57	A001	R98	Corrections MExE release 98, chapter 1-7	F	7.0.0	7.1.0	MExE
T2-991120	03.57	A002	R98	Corrections MExE release 98, chapter 8 (see NOTE)	F	7.0.0	7.1.0	MExE
T2-99956	07.07	A084	R98	GPRS ATD command syntax	С	7.4.0	7.5.0	GPRS
T2-99961	07.07	A085	R98	Clarification to result codes for +CLIP +CCWA	F	7.4.0	7.5.0	TEI
NOTE: Friedhelm RODERMUND (MCC) informed after the meeting that CR 002 to GSM 03.57 was not								
	inplemen	table be	ecause	e it was based on a wrong version of the spec	ificat	ion.		

A replacement CR has been created and will be presented to T#7 for approval.

Approval of 3G Change Requests

TP-99237	3G Change Requests - for approval	
11-33237	130 Change Requests - 101 approval	

Kevin HOLLEY presented TP-99236. TSG-T approved the following 3G Change Requests:

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	С	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
T2-991064	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
T2-991062	23.041	002	R99	LCS Utilization of CBS	A	3.0.0	3.1.0	LCS
T2-99980	23.042	001	R99	Adaptations for UMTS	D	3.0.0	3.1.0	TEI
T2-991074	<mark>27.005</mark>	001	R99	Adaptations for UMTS	D	3.0.0	3.1.0	TEI
T2-991049	<mark>27.007</mark>	016	R99	Clarification to result codes for +CLIP +CCWA	F	3.2.0	3.3.0	TEI
T2-991050	<mark>27.007</mark>	017	R99	AT command for Frame Tunneling Mode (FTM)	В	3.2.0	3.3.0	FTM

T2-991128	<mark>27.007</mark>	018	R99	New AT command for application protocols activation	В	3.2.0	3.3.0	TEI
T2-99954	27.007	019	R99	AT-commands for Enhanced QoS Support management.	В	3.2.0	3.3.0	Enhanced QoS Support in GPRS.
T2-99957	<mark>27.007</mark>	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	В	3.2.0	3.3.0	TEI
T2-99960	27.007	022	R99	Add new AT command (+CDIP) to inform the called line identification	В	3.2.0	3.3.0	TEI

7.3 23.140 Multimedia Messaging Service (MMS)

TP-99241	3G TS 23.140 v1.0.0 Multimedia Messaging Service (MMS) - for information

Kevin HOLLEY gave a detailed presentation of the deliverable submitted to TSG-T for information in TP-99241.

Outstanding Release 99 issues are listed in annex E.4.3. The R99 Completion date is 03-2000.

7.3.1 NTT DoCoMo's comment on MMS Stage 2

TP-99266 Com	nment on MMS Stage 2 (23.140, ver.020 in TP-99241) – for discussion	NTT DoCoMo
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YAMASHITA Tetsuya (NTT DoCoMo) introduced TP-99266, which presents NTT DoCoMo's view on how MMS discussed in T2/SWG3 (TS 22.140 MMS Stage 1) should be specified as an UMTS standard and gives comments on MMS Stage 2 (TS 23.140).

NTT DoCoMo's view on MMS implementation

NTT DoCoMo believes that MMS must (A) be compatible with the Internet world and (B) be flexible as service and in implementation in order to be open for further evolution (T2-99502: NTT DoCoMo and T2-99539: Ericsson, Nokia).

- (A) Compatibility with the Internet world: At present major electronic services & businesses are based upon the Internet architecture. In addition, undoubtedly any new multimedia services & digital communications depend on IP technologies. The Internet world shows that any services & technologies shall have no obstacle between existing IP-technologies and that the window for developers and end-users shall be open if those services should survive in the market place. Many major successful Internet services prove this point. Therefore 3GPP must give top priority to compatibility in the development of services & technologies for MMS.
- (B) Flexibility of the service & implementation: There are various new technologies in the Internet world. The User can freely select an applicable scheme from those candidates to meet its own environment and subject. One could find out this characteristic, keep a good competitive situation and accelerate the development of new services & technologies in the Internet. MMS shall accept and handle multimedia data generated by those various Internet technologies. Therefore, in order to support various existing & future IP technologies for MMS, 3GPP must provide this flexibility.

In conclusion, in order to achieve a stable market support for MMS it is important to pay attention to (A) and (B) above when 3GPP is developing the MMS standard.

NTT DoCoMo's comment on MMS Stage 2 (TS 23.140)

In TS 23.140 v1.0.0 presented for information (TP-99241), section 8 describes the control sequence & information flow in accordance with the current WAP specification. From a Stage 2 viewpoint, section 8 gives a too detailed implementation scheme, which is more appropriate for a Stage-3 rather than Stage-2 description. In addition, 3GPP has to give a mature consideration to other related functional specifications (e.g. MExE) when defining such a detailed implementation scheme.

NTT DoCoMo believes that the MMS architecture should be flexible and should not close the door for further evolution. There might be several implementation options e.g. WAP-based, IP-based, etc. (T2-99502, T2-99539). In conclusion, the MMS standard should allow various implementation schemes. Therefore the implementation scheme for MMS specified in TS 23.140 should not be based upon single architecture and should give several options.

NTT DoCoMo would like to discuss about a suitable specification for MMS in T2/SWG3 in order to complete the MMS Stage-2 (TS 23.140).

Discussion

Discussion section: Kevin Holley said T2's major effort in past few weeks were focused to include MMS in R99 and over all direction for MMS are not extensively considered. T2 didn't have enough time to consider some issues such as roaming but recognizes its importance. T2 will continue to work on mentioned items without any bias.

Kevin HOLLEY commented that there was an initiative under the multimedia messaging umbrella to bring some additional feature to SMS in R99 and that this would be completed alongside the full MMS specification (TS 23.140). It is envisaged that the additional SMS features can be implemented ahead of the full MMS service and thus "seed" the market. He said that this should also be included in the R99 submission form for MMS (annex E.4.3).

Rune LINDHOLM asked whether in this case the target for v3 in March 2000 was still achievable and the T2 chairman replied that he did not foresee any problems to achieve this target.

YAMASHITA Tetsuya (NTT DoCoMo) requested that additional options apart WAP should be included in R99.

Some TSG-T members (Bosch, Motorola, Sharp) supported the NTT DoCoMo proposal as so far only the WAP solution was on the table and further options should be considered in the light of the fast IP evolution.

Rune LINDHOLM pointed out that problems may arise when roaming if the options are not supported on both ends.

Kevin HOLLEY explained that T2's major effort in the last few weeks was focused on the inclusion of MMS in R99 and that the overall direction for MMS could not be considered extensively. T2 didn't have enough time to consider some issues such as roaming but recognizes its importance. T2 will continue to work on these items without any bias. Kevin HOLLEY invited all the interested experts to join the technical work in T2, where the expertise resides.

TSG-T advised T2 to study the comments received from NTT DoCoMo and to consider the roaming aspects. It was agreed by the plenary not to change the cover sheet for document TP-99241.

Decision: TSG-7

TSG-T advised T2:

- to study the comments received from NTT DoCoMo,
- to consider the roaming aspects suggested by Nokia and
- to report at the next meeting TSG-T#7 (when TS 23.140 is planned for v3 approval) whether comments can still be included in R99 or if they instead need to be considered in R00.

7.4 23.057 Mobile station application Execution Environment (MExE) Stage2

TP-99242

3G TS 23.057 v2.0.0 Mobile Station Application Execution Environment (MExE) stage 2 - for approval

Kevin HOLLEY gave a detailed presentation of the deliverable submitted to TSG-T for approval in TP-99242.

7.4.1 NTT DoCoMo's comment on MExE Stage 2

TP-99272 | Comment on MExE Stage 2 (TS 23.057, ver.2.0.0 in TP-99242) - for discussion

HIRAMATSU Yoishiaki (NTT DoCoMo) introduced TP-99272.

In order to ensure further development of MExE in the future, it is important to consider the following aspects:

- (A) a flexible specification taking into account service and implementation;
- (B) a specification that will allow for easy accommodation of IT developments expected in the future.

There was a very heated debate on the definition of MExE classmarks in the last T2/SWG1 meeting in Ystad. The discussion centred around the fact that according to the current classmark definitions, Classmark 1 is WAP and Classmark 2 is P-Java + WML browser and WML script. This means that according to the present specification the support of WAP is mandatory within MExE. There were opinions raised about a possible modification of the specification in order to include an additional classmark not supporting WAP.

Opinions were split making any agreement on the modification of the specification impossible. As a consequence the present MexE R99 specification remained unchanged.

So far no consensus has been reached within T2/SWG1 on the classmark definition.

TP-99242 (the presentation form of R99 MExE Stage 2 - TS23.057) states that "There are no contentious issues." However, the classmark issue remains "a contentious issue" in the sense that so far no consensus has been reached. TP-99242 needs to be modified to say that in fact no consensus has been reached in the discussions so far.

In addition, continued discussions on classmarks are necessary when R00 will be started.

When new technologies (e.g. K-Java) will become available, the starting point should not be WAP mandatory when creating additional classmarks in MExE.

Discussion

Kevin HOLLEY commented that R98 MExE was not controversial, however R99 introduces new classes. He asked whether NTT DoCoMo would agree to have new classmarks in R00 or wish to reject the present R99 version.

HIRAMATSU Yoishiaki (NTT DoCoMo) pointed out that the reason for submitting the contribution was to highlight the lack of agreement in T2 on classmark and OTHER issues.

Peter NEUMANN (Siemens) noted that, although agreed in T2, "K-Java" was not even listed for inclusion in R00.

Decision:	TSG-T asked T2 to try to reach consensus on the classmark issue in R00.	

NTT DoCoMo agreed with this decision and supported the approval of the R99 MExE as it was submitted in TP-99242.

Decision:	TSG-T approved TS 23.05	7 v2.0.0 for upgrade to <mark>v3.0.0</mark>	and is considered as completed for R99.
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7.5 27.901 Report on Terminal Interfaces

TP-99238	3G TR 27.901 v2.0.0 Report on Terminal Interfaces - An Overview - for approval
TP-99270	3G TR 27.901 v2.0.0 Report on Terminal Interfaces - An Overview - for approval
	(Change: updated cover sheet of TP-99238)

Kevin HOLLEY gave a detailed presentation of the deliverable submitted to TSG-T for approval in TP-99238.

Decision:	TSG-T approved TR 27.901 v2.0.0 for upg	rade to <mark>v3.0.0</mark>	and is considered as completed for ROO
Decision.	150-1 approved 1K 27.301 v2.0.0 for upg	1auc 10 v3.0.0	and is considered as completed for K55.

7.6 21.904 UE Capability Requirements

TP-99239	3G TR 21.904 v1.1.0 UE Capability Requirements - for information
TP-99271	3G TR 21.904 v1.1.0 UE Capability Requirements - for information
	(updated cover sheet of TP-99239)

Kevin HOLLEY gave a detailed presentation of the deliverable submitted to TSG-T for information in TP-99239. Input from other groups is expected to complete TR 21.904.

Outstanding Release 99 issues are listed in annex E.4.1. The revised R99 Completion date is 03-2000.

7.7 21.910 Report on multi-mode UE issues

TP-99240	3G TR 21.910 v1.3.2 Report on multi-mode UE issues - for information
TP-99273	3G TR 21.910 v1.3.2 Report on multi-mode UE issues - for information
	(updated cover sheet of TP-99240)

TP-99232 | S2 comments on the report TR 21.910 "Multi-mode UE issues" - for information | Sofi PERSSON, Rapporteur

Sofi PERSSON (Telia), Rapporteur, introduced TP-99232. S2 dealt with TR 21.910 v 1.2.0 at its last meeting in Tokyo 29 Nov - 3 Dec 99. S2 observed that:

- a) the conclusions of the workshop held in June 99 on "Handover and Cell selection" have not been totally taken into account;
- b) the notion of camped cell used as in TR 21.910 should not be referred to, because in GSM this term has a different meaning depending on the process which it is used for;
- c) the last part of TR 21.910 concerning the work of the different groups in 3GPP is to some extent duplicating the TRs from S2/ Inter-Group Co-ordination (IGC) such as the one on GSM/UMTS interworking and Mobility Management (3G PD 30.804). Therefore this should logically be removed from the TR 21.910.

Sofi PERSSON, Rapporteur, informed that on:

- a) the comment is relevant and the appropriate changes will be made by T2/SWG5;
- b) the comment will be further studied and appropriate changes will be made by T2/SWG5;
- c) the comment is valid even though the IGC document (3G PD 30.804) does not contain any useful information yet. The study in TR21.910 has been done from a terminal perspective and the evaluation is done in the light of the work done in the scenarios. The terminal aspects are in this way collected in a single place. In a document like 3G PD 30.804 this would not be the case and the evaluation from a terminal perspective (included in TR21.910) is still very valid for the work in T2/SWG5 on Multi-mode terminals. A way forward could be to move the chapter in TR21.910 to an informative annex and use the work done as an input to the work in S2 on the 3G PD 30.804 (GSM UMTS interworking and Mobility Management, v 1.0.0).

Discussion

Gunilla BRATT (Ericsson) asked whether T/T2 had received any comments from S2 and RAN on "multi-system terminal issues", in particular on the feasibility of the proposed terminal types. If they are considered valuable, it should be discussed whether they should be included in a specification and which TSG/WG should be responsible.

Kevin HOLLEY (BT) gave some verbal SA-feedback that about two proposed configurations in TR 21.910 were not implementable.

Peter NEUMANN (Siemens) informed about interest arising in S1 and S2. However, if work should be started in this area, the question of the leading technical body within 3GPP needs to be clarified.

Rune LINDHOLM (Nokia) questioned the value of this work as a whole, i.e. whether classes of terminals need to be defined. There followed a brief discussion during which some explanations were made, however, Rune LINDHOLM stated that he was unsure whether he could understand the logic but would accept the current situation for now.

Gunilla BRATT (Ericsson) supported the idea of UE class types considering the problems in the GPRS standard due to the lack of UE types.

Decision: TSG-T decided to refer the "Multi-mode UE issues" back to T2 for further consideration.

Action: T2 to report its conclusions at TSG-T#7 in March 2000.

Outstanding Release 99 issues are listed in annex E.4.2. The revised R99 Completion date is 03-2000.

7.8 T2 qualification status for R99 in December 1999

Reference	Title	Status	R99 completion date	Submission Form attached
(see NOTE)	Advanced Cell Broadcast	0.0.0	little input	No
(see NOTE)	Alternatives to AT commands	0.0.0	no input	No
TR 21.904	UE Capability Requirements	1.1.0	<mark>03-2000</mark>	Yes
TR 21.910	Multi-mode UE issues	1.3.2	<mark>03-2000</mark>	Yes
TS 23.140	Multimedia Messaging Service; stage 2/3	1.0.0	03-2000	Yes
TR 22.945	Study on provisioning of fax in GSM and UMTS	3.0.0		n.a.
TS 23.038	Alphabets and language-specific information	3.3.0	03-2000	Yes
TS 23.039	Interface protocols for the connection of Short Message Service Centres (SMSCs) to Short Message Entities (SMEs)	3.1.0		n.a.
TS 23.040	Technical realization of the Short Message Service (SMS)	3.3.0	03-2000	Yes
TS 23.041	Technical realisation of Cell Broadcast Service (CBS)	3.1.0	03-2000	No.
TS 23.042	Compression algorithm for text messaging services	3.1.0		n.a.
TS 23.057	Mobile Station Application Execution Environment (MExE); Functional description; Stage 2	3.0.0		n.a.
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		n.a.
TS 27.007	AT command set for 3GPP User Equipment (UE)	3.3.0	03-2000	No.
TS 27.010	Terminal Equipment to Mobile Station (TE-MS) multiplexer protocol	3.2.0	03-2000	No
TS 27.103	Wide Area Network Synchronisation	3.0.0		n.a.
TR 27.901	Report on Terminal Interfaces - An Overview	3.0.0		n.a.
TR 27.903	Discussion of Synchronisation Standards	3.0.0		n.a.
TR 34.907	Report on electrical safety requirements and regulations	3.0.0		n.a.
TR 34.925	Specific Absorption Rate (SAR)	3.0.0		n.a.
pro	propose at the next TSG-T meeting to stop this work items.			

7.9 Terminology

TP-99229	LS from T2/SWG6 to S1 on "Terminology in T2 SWG6 (TR 21.904)" (copy to TSG-T) - for information
TP-99231	LS from T2 to T1 in response to questions regarding terminology differences – Mandatory and Optional
	(copy to TSG-T) - for information

HASHIMOTO Kazuya (NEC Technologies, UK) and Prem SOOD (Sharp, JP) presented the documents.

Craig BISHOP (SAMSUNG, UK) commented that it is foreseen difficult for RAN to replace "mandatory" with "core" in its documents in a short term. Gunilla BRATT pointed out that the usage in all TSGs of the common vocabulary is expected to take time and it will be a long-term process.

Sang-Keun PARK, TSG-T Chairman, mentioned about the need for a routine mechanism to ensure the accuracy and the joint support of the common vocabulary. It was proposed that T2 should continue work on terminology & vocabulary before sending an LS to the TR 21.905 Rapporteur (Michele ZARRI) and/or to the leading TB. TSG-T noted the two LSs submitted for information and agreed the proposed course of action.

7.10 TSG-T2 Meeting Calendar

Meeting	Date	Location	Host
T2#8/SMG4	31 Jan - 4 Feb 2000	Puerto Vallarta, Mexico	T1
	(first day joint with CN, SA2)		
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

NOTE 1: Additionally, separate SWG meetings will be held. No dates fixed yet.

NOTE 2: It was decided that T2 and SMG4 meetings would be held jointly by default unless otherwise stated.

NOTE 3: As date/location/host may change, the on-line 3GPP meeting calendar should be consulted at:

http://webapp.etsi.org/meetingcalendar/QueryForm.asp

8 WG T3 USIM

Klaus VEDDER (Giesecke & Devrient), T3 Chairman, assisted by Michael SANDERS (ETSI MCC), T3 Secretary, presented the progress of WG T3 (TP-99250).

TP-99250	T3 status report to TSG-T
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8.1 21.111 USIM and IC Card Requirements

TP-99255	3G CR001 to TS 21.111 v3.0.0 " USIM and IC Card Requirements" - for approval	
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Decision: TSG-T approved 3G CR001 to TS 21.111 v3.0.0 and is considered as completed for R99.

8.2 31.101 UICC-Terminal Interface; Physical and Logical Characteristics

TP-99251	3G TS 31.101 "UICC-Terminal Interface; Physical and Logical Characteristics" - for approval	
11 // 201	100 15 51:101 CICC Terriman interface, 1 hysical and Eoglear Characteristics 101 approval	

Decision: TSG-T approved 3G TS 31.101 to v3.0.0.

Outstanding Release 99 issues are listed in annex E.4.4. The revised R99 Completion date is 03-2000.

8.3 31.102 Characteristics of the USIM Application

TP-99252	3G TS 31.102 "Characteristics of the USIM Application" - for approval
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Decision: TSG-T approved 3G TS 31.102 to v3.0.0.

Outstanding Release 99 issues are listed in annex E.4.5. The revised R99 Completion date is 03-2000.

8.4 31.110 Numbering system for telecommunication IC card applications

Decision: TSG-T approved 3G TS 31.110 to v3.0.0.

Outstanding Release 99 issues are listed in annex E.4.6. The revised R99 Completion date is 03-2000.

8.5 31.111 USIM Application Toolkit (USAT)

TP-99254	3G TS 31.111 v1.0.0 "USIM Application Toolkit" - for information
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Decision: TSG-T accepted TS 31.111 (USAT) as a late R99 deliverable with v3.0.0 target in March 2000.

Outstanding Release 99 issues are listed in annex E.4.7. The R99 Completion date is 03-2000.

8.6 T3 qualification status for R99 in December 1999

Reference	Title	Status	R99	Submission
			Completion	
			date	attached
TS 21.111	USIM and IC Card Requirements	3.0.1		n.a.
TS 31.101	UICC-Terminal Interface; Physical and Logical Characteristics	3.0.0	03-2000	Yes
TS 31.102	Characteristics of the USIM Application	3.0.0	03-2000	Yes
TS 31.110	UICC Application Identifiers	3.0.0	03-2000	Yes
TS 31.111	USIM Application Toolkit (USAT)	1.0.0	03-2000	Yes
TS 31.120	Terminal tests for the UICC Interface	0.0.0	06-2000	Yes
TS 31.121	UICC Test Specification	0.0.0	06-2000	Yes
NOTE: Ou	tstanding Release 99 issues on the above deliverables are listed in annex E.4.4 to E.4.8.			

8.7 Harmonisation of IC Card work

TP-99257	Common mobile telecommunications smart card standard - for information
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8.7.1 Officials meeting in Austin on 1 November 1999

15 members of 2G and 3G SIM, USIM and R-UIM groups attended this meeting. They elaborated the Recommendation that SMG9 should become the focal point and manage common aspects of mobile telecom smart cards such as:

- physical interface specifications
- the common logical interface
- file ID allocation at the common level; respecting existing structures
- shared data that is technology independent (e.g. the phone book)

T3 Chairman reported that so far ANSI T1P1, GAIT and ETSI TC SMG have ratified this approach. However, SMG9 has NOT been consulted yet. TSG-T noted this issue.

8.7.2 LS from ITU-T SG11/3 to SMG9

- ITU-T SG11/3 is prepared to support efforts in the development of UIM standards in ETSI SMG9 in order to avoid any duplication of effort in this area.
- ITU-T SG11 has decided to change the (ITU-T Draft Recommendation Q.1741 (Q.FSU) on UIM from Technical Specification to Technical Report.
- The ITU SG11/3 provided the draft version of UIM-terminal Technical Report (ITU-T Draft Recommendation Q.1741 (Q.FSU) version 7.1.
- ITU-T SG11/3 wishes to maintain a role and monitor the work.

TSG-T noted this issue.

YABUSAKI Masami (DoCoMo Europe) reported verbally about ITU activities in this field.

Klaus VEDDER (Giesecke & Devrient), in his double function as Chairman of ETSI SMG9 and 3GPP T3, invited the delegates from the ITU to the next officials meeting (members of 2G and 3G SIM, USIM and R-UIM groups) on January 17th in Rome.

8.8 TSG-T3 Meeting Calendar

Meeting	Date	Location	Host		
TSG-T3#12 / SMG9#20	18-21 January 2000	Rome	TIM		
TSG-T3 #13	21-24 February 2000	Tokyo	Japan Telecom		
TSG-T3#14 / SMG9#21	May 2000	Gotland, Sweden	Across, Telenor, Telia		
NOTE: As date/location/host may change, the on-line 3GPP meeting calendar should be consulted at: http://webapp.etsi.org/meetingcalendar/QueryForm.asp					

9 TSG-T Work Plan/ Co-ordination with TSG-SA

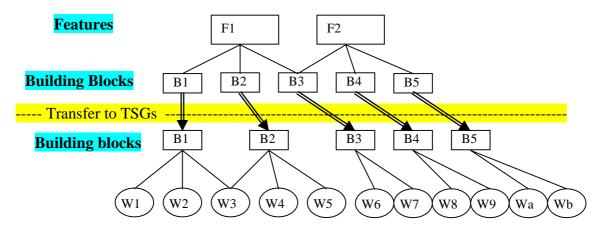
9.1 Technical project co-ordination and management

Ī	TP-99263	Technical project co-ordination and management
	TP-99264	Model for the technical management and project co-ordination for 3GPP

Niels ANDERSEN (MOTOROLA, DK), Chairman of TSG-SA, presented the two documents on the "Model for the technical management and project co-ordination for 3GPP" prepared by Teuvo JARVELA (Nokia), S2 Chairman.

The model is thought as a common reference model across TSGs and for structuring future work. TSG SA is through S1 responsible for defining the features and services required in the 3GPP specifications. S2 should then define the architecture for the features and the system, and then divide the features into Building Blocks (BB) based on the architectural decisions made in S2. S2 will then forward the BBs to the relevant TSGs for detailed work. These proposals will be reviewed and discussed in an interactive way together with TSGs/WGs, until a common understanding of the required work is reached. In order for TSG-T and its subgroups to plan and perform its horizontal tasks on conformance testing and mobile station capabilities, S2 should invite TSG T to evaluate the potential impact of a new feature. If work on the horizontal task are required this should be included in the overall work plan.

The following diagram illustrates the relationship between features, building blocks and work areas.



Decision: TSG-T endorsed this way of Technical project co-ordination and management of 3GPP.

9.2 TSG-T report to TSG-SA#6

The report from TSG-T Chairman together with the TSG-T contributions to SA#6 can be found in TP-99280 at ttp://www.3gpp.org/TSG T/TSGT 07/Docs/ZIPs/TP-99280.zip or ttp://www.3gpp.org/TSG T/TSGT 07/Docs/PDFs/TP-99280.pdf

Following documents are to be presented to SA#6 for TSG-T discussion:

TSG-T Number	TSG-SA Number	Topic
n.a.	SP-99621	Report from TSG-T

TP-99259	SP-99612	TTCN Task team Terms of Reference	
TP-99258	SP-99613	SP-99613 TTCN Task team project plan	
TP-99267	SP-99614	Test case Task team project plan and ToR	
TP-99278	SP-99615	Summary of project funding requests from TSG-T	
n.a.	SP-99626	Content of Release 1999 from TSG-Terminals	

10 Liaison Statements to other TSGs

No issue was discussed under this agenda item.

11 Future meeting schedule

Meeting	Date	Location	Host
TSG-T#7	13-15 March 2000	Madrid/ Spain	Telefonica
TSG-T#8	19-21 June 2000	Dusseldorf /Germany	Mannesmann
TSG-T#9	25-27 September 2000	Japan (TBC)	ARIB/TTC (TBC)
TSG-T#10	11-13 December 2000	USA (TBC)	T1P1

NOTE 1: As date/location/host may change the on-line 3GPP meeting calendar should be consulted at: http://webapp.etsi.org/meetingcalendar/QueryForm.asp

NOTE 2: After each and every meeting, Secretaries of 3GPP TSG/WG/SWG should send - without fail - the meeting calendar information to the 3GPP-support group <u>Emanuelle.Wurfell@etsi.fr</u>::

12 Any Other Business

12.1 Bake-offs

TP-99269 Bake-offs - A Way to Enhance the Quality of Standards - for information

Reinhard SCHOLL (ETSI) presented TP-99269 on "Bake-offs - A Way to Enhance the Quality of Standards". Bake-off is an event where (competing) engineers get together to test their implementations against each other face-to-face or remote. The Goal is to achieve interoperability via debugging the standard and/or debugging implementations.

ETSI has so far hosted several Bake-offs on its premises (e.g. TIPHON, Bluetooth). Reinhard SCHOLL invited 3GPP in general and TSG-T in particular to consider whether Bake-offs are a possibility within 3GPP.

Gunilla BRATT (Ericsson) asked whether other parts of 3GPP had been already approached with this presentation/offer. Reinhard SCHOLL answered that this was done for the first time in 3GPP and thanked very much TSG-T for offering him this opportunity.

Gunilla BRATT suggested and TSG-T endorsed the proposal to make this presentation to the testing experts in T1/SWGs.

Decision: Bake-off presentation should be made at the next T1/SWGs meeting(s). (Responsible: Reinhard SCHOLL & Lidia SALMERON).

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13 Close of the meeting

The Chairman, Sang-Keun PARK (SAMSUNG), warmly thanked:

- ETSI for hosting the meeting;
- NORTEL for sponsoring the meeting LAN;
- the TSG-T WGs/SWGs for their hard work and good results achieved on Release 99;
- the TSG-T participants for their contributions and suggestions;
- the TSG-T Vice Chairmen, Kevin HOLLEY and Ed EHRLICH, for their active support during 1999
- the entire MCC Team and the TSG-T Secretary, Adrian ZOICAS.

Annex A: Approved Agenda

			Document Number
1		Opening of the meeting	
2		Approval of Agenda & Registration of documents	Agenda.doc
3		Report of TSG-T#5 meeting, Kyongju, 7-8 Oct 99	225, 265, 275
		- Follow-up on Action points / Outstanding issues	224, 226
4		Chairman's report and objectives for meeting#6	
		- PCG activity	
		- Objectives for meeting#6	
5		Letters and reports from other groups, LS incoming	
		- From other TSGs	227, 243
		- From outside 3GPP	228, 262
6		WG T1 Mobile Terminal Conformance Testing	
	6.1	Progress report/ meeting calendar	244, 245, 258, 259, 260, 267
	6.2	Liaison Statements to TSG-T	
	6.3	Approval of Deliverables (TS/TR)	247, 248, 249, 261
	6.4	Work programme review	246
7		WG T2 Mobile Terminal Services and Capability	
	7.1	Progress report/ meeting calendar	233, 234
	7.2	Liaison Statements to TSG-T	229, 231, 232
	7.3	Approval of Deliverables (TS/TR)	236, 237, 238, 239, 240, 241, 242, 266, 268, 270, 271, 273
	7.4	Work programme review	235, 277
8		WG T3 USIM	
	8.1	Progress report/ meeting calendar	250, 257
	8.2	Liaison Statements to TSG-T	
	8.3	Approval of Deliverables (TS/TR)	230, 251, 252, 253, 254, 255, 256
	8.4	Work programme review	
9		TSG-T Work Plan/ Co-ordination with TSG-SA	263, 264, 274, 276, 278
10)	Liaison Statements (LS) outgoing	
		- LS to other TSGs	
		- LS to outside 3GPP	
11	1	Future meeting schedule	
12	2	Any Other Business	269
13	3	Close of the meeting	

Annex B: List of Documents

Doc No.	Title	Source	Agenda Item	Replaced by
TP-99224	TSG-T Chairman's report to SA#5, Kyongju, Korea, 11-13 October 1999 (SP-99475/6) plus the seven (7) LSs from T to SA (SP-99419/420/421/422, SP-99457/8,	T Chairman	3	
TD 00005	SP-99473) - for information	T. C	2	
TP-99225	DRAFT Report of TSG-T#5 meeting, Kyongju, Korea, 7-8 Oct 99 - for approval	T Secretary	3	
	Overview of TSG#5 results, Kyongju, Korea, 11-13 Oct 99 - for information	SA Secretary	3	
TP-99227	RAN response to LS from S1 (cc: S2, T) on "Connectionless services during a call" - for information	RAN	5	
TP-99228	LS from SMG2 to TCAM, GSM Association-TWG, GTAAB on "replacement antennas" (copy to TSG-T) - for information	ETSI SMG2	5	
TP-99229	LS from T2 SWG6 to S1 on "Terminology in T2 SWG6 (TR21.904)" (copy to	T2 SWG6	7.2	
	TSG-T) - for information			
TP-99230	3G TS 31.110 v1.0.0 "Numbering system for telecommunication IC card applications"- for information	Т3	8.3	
TP-99231	LS from T2 to T1 in response to questions regarding terminology differences –	T2 & T2	7.2	
	Mandatory and Optional (copy to TSG-T) - for information	SWG6		
TP-99232	SA2 comments on the report TR 21.910 "Multi-mode UE issues" - for information	Sofi	7.2	
		PERSSON,		
TD 00222	TO D. D. A.	Rapporteur		
TP-99233	T2 Progress Report - for approval	T2	7.1	
	T2 Progress Report (slides)	T2 Chairman	7.1	
TP-99235	T2 work program (status after T2#7 Ystad) - for approval	T2 T2	7.4	
	2G Change Requests - for approval		7.3	
	3G Change Requests - for approval	T2	7.3	TTD 00270
	3G TR 27.901 v2.0.0 Report on Terminal Interfaces - An Overview - for approval	T2	7.3	TP-99270
TP-99239	3G TR 21.904 v1.1.0 UE Capability Requirements - for information	T2	7.3	TP-99271
TP-99240	3G TR 21.910 v1.3.2 Report on multi-mode UE issues - for information	T2	7.3	TP-99273
TP-99241	3G TS 23.140 v1.0.0 Multimedia Messaging Service (MMS) - for information	T2	7.3	
TP-99242	3G TS 23.057 v2.0.0 Mobile Station Application Execution Environment (MExE)	T2	7.3	
TP-99243	· · · · · · · · · · · · · · · · · · ·	S1	5	
	Mode" (copy to TSG-T) - for information			
TP-99244	T1 Status report - for approval	T1	6.1	
	Minutes of T1 meeting#5 - for information	T1	6.1	
	New WI - 34.108 - for approval	T1	6.4	
TP-99247	34.122 v1.0.0 - for information	T1	6.3	
	34.123-1 v1.0.0 - for information	T1	6.3	
	34.123-2 ICS v1.0.0 - for information	T1	6.3	
TP-99250	T3 status report to TSG-T - for approval	T3	8.1	
TP-99251	3G TS 31.101 "UICC-Terminal Interface; Physical and Logical Characteristics" - for approval	T3	8.3	
TP-99252	3G TS 31.102 "Characteristics of the USIM Application" - for approval	T3	8.3	
	3G TS 31.110 v2.0.0 "Numbering system for telecommunication IC card	T3	8.3	TP-99256
11 >>200	applications" - for approval – Replaced by TP-99256 (editorial error in annexed		0.0	11 //200
	TS headings)			
TP-99254	3G TS 31.111 "USIM Appplication Toolkit" - for information	T3	8.3	
TP-99255		Т3	8.3	
TP-99256	3G TS 31.110 v2.0.0. "Numbering system for telecommunication IC card	T3	8.3	
	applications" - for approval			
TP-99257	Common mobile telecommunications smart card standard - for information	T3 Secretary	8.1	
TP-99258	TTCN Task team project plan - for approval	T1	6.1	
TP-99259	TTCN Task team ToR - for approval	T1	6.1	
TP-99260	Test case Task team project plan - for approval (revised as TP-99267)	T1	6.1	TP-99267
TP-99261	TSG-T1 Release'99 submission forms - for approval	T1	6.3	
TP-99262	User Identification solutions in converging networks - for information & action	ETSI TC HF, Mike PLUKE	5	
TD 00242	Technical project co-ordination and management		9	
TP-99263 TP-99264	Model for the technical management and project co-ordination for 3GPP	S2 Chairman S2 Chairman	9	+
11 -77204	priodor for the technical management and project co-oldination for our r	52 CHAHHIAH	7	

TP-99265	Draft Report of TSG SA Meeting #5 - version 0.0.4	SA Secretary	3	
TP-99266	Comment on MMS Stage 2 (23.140, ver.020 [TP-99241])	NTT	7.3	
		DoCoMo		
TP-99267	Test case Task team project plan and ToR – (revised TP-99260)	T	6.1	
TP-99268	Comment on MExE Stage 2 (23.057, ver.2.0.0 [TP-99242]) - for discussion	NTT	7.3	TP-99272
	(withdrawn and replaced by TP-99272)	DoCoMo		
TP-99269	Bake-offs - A Way to Enhance the Quality of Standards - for information	Reinhard.	12	
		Scholl, ETSI		
TP-99270	3G TR 27.901 v2.0.0 Report on Terminal Interfaces - An Overview - for approval	T2	7.3	
	(updated TP-99238: cover sheet change)			
TP-99271	3G TR 21.904 v1.1.0 UE Capability Requirements - for information (updated	T2	7.3	
	TP-99239: cover sheet change)			
TP-99272	Comment on MExE Stage 2 (23.057, ver.2.0.0 [TP-99242]) - for discussion	NTT	7.3	
		DoCoMo		
TP-99273	3G TR 21.910 v1.3.2 Report on multi-mode UE issues - for information (updated	T2	7.3	
	TP-99240: cover sheet change)			
TP-99274	DRAFT input from TSG-T#6 to SA (v.0.0.2)	T Secretary	9	
TP-99275	APPROVED Report of TSG-T#5 meeting, Kyongju, Korea, 7-8 Oct 99	T	3	
TP-99276	Summary of Project funding request from TSG-T (revised in TP-99278)	T Chairman	9	
TP-99277	Delayed T2 work items for late inclusion into R99 - for endorsement	T2	7.4	
TP-99278	Summary of Project funding request from TSG-T (revision of TP-99276)	T	9	
NOTE:	All documents mentioned above can be found on the 3GPP server at:			•
	ftp://ftp.3gpp.org/TSG_T/TSG_T/TSGT_06/Docs/			

Annex C: List of Participants

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History

	Document history					
11 January 2000	DRAFT dispatched by e-mail exploder and put on the server for TSG-T comment as file TP-99279 at:					
	ftp://www.3gpp.org/TSG_T/TSG_T/TSGT_06/Report/and ftp://www.3gpp.org/TSG_T/TSG_T/TSGT_07/Docs/					
13 March 2000	Report updated in line with comments made during TSG-T #7					