Source: Secretary TSG-Terminals, Adrian ZOICAS (3GPP support)

Title: Report from TSG-T#2 meeting

Content

1 Opening of the meeting

158 delegates attended the 2nd meeting of 3GPP TSG-Terminals (TSG-T#2) from 2-4 March 1999 at Hotel "Radisson Bahia Mar Resort" in Fort Lauderdale, Florida, USA.

The meeting, co-located with the other TSGs and the PCG, was co-hosted by BellSouth Cellular Corporation, Ericsson, Lucent Technologies, Nokia Americas, Nortel Networks, Omnipoint, SBC Technology Resources Inc., Pacific Bell Wireless and Siemens Communication Networks.

Sang-Keun PARK (Samsung), Convenor of TSG-T, chaired the meeting. Adrian ZOICAS (3GPP support team) was assigned as Secretary.

2 Welcome Address

Asoka CHATTERJEE (PCG Vice-Chairman) addressed a welcome message to sunny Florida on behalf of T1 and the co-hosts, and informed about practical arrangements for the meeting.

3 Approval of Agenda

The draft agenda (Td 01) was approved without modification and can be found in annex.

The documents available prior to the meeting were made available to the delegates on the self service PCs and on CD-ROMs (up to Td 34). The last night output of the PCG meeting was made available on paper as Td 37. Late contributions had been made available to the Secretariat and will be included in subsequent versions of the meeting CD-ROM.

4 Leaders' Meeting Report

The Convenor introduced the Leaders' meeting report (Td 37) giving general guidelines for the election of TSG-Chairmen and Vice Chairmen. There will be three separate elections for each TSG, starting with the election of the Chairman for CN, T, SA and RAN. Subsequently, two separate and consecutive elections for Vice Chairmen will follow in the same order for each TSG (i.e. CN, T, SA and RAN). The elected TSG-Chairman and two Vice Chairmen will be appointed by the PCG on the proposal of the TSG.

5 Report of TSG-T#1

The revised draft report of meeting TSG-T#1, including the statement from Qulacomm, was approved (Td 02) and can be found at: ftp://www.3gpp.org/TSG_T/TSG_T/TSGT_01/Report/

6 Convenors report and objectives for meeting #2

In presenting the objectives for this meeting, the Convenor announced a joint session during this week with TSG-SA for the co-ordination of the technical work within 3GPP. SA has the leading role in technical co-ordination and work programme management for the entire 3GPP.

7 Election

7.1 Election Procedure

Guidelines for elections and the so far nominated candidates were presented in Td 24, Td 4 and Td 13. It was decided to carry out the election processes in the TSGs in the following order: CN, T, SA and RAN; with the election in each TSG of the Chairman taking place first, followed by the election of both Vice-Chairmen in each TSG.

7.2 Election of Chairman

There were originally 2 candidates for the position of Chairman, however one of them Peter NEUMANN (Siemens) withdrew his candidacy (Td 10) on the rationale of regional/company balance. Sang-Keun PARK (Samsung) remained the only candidate (Td 14) and no new nomination was announced. Consequently, Sang-Keun PARK was elected as Chairman of the 3GPP TSG-T by acclamation. The elected TSG-T Chairman was subsequently appointed by the PCG on the proposal of TSG-T.

7.3 Election of Vice-Chairman

There were originally 6 candidates for the 2 Vice Chairmen positions, however three of them: David FREEMAN (Motorola) (Td 12), Peter NEUMANN (Siemens) (Td 10) and Toshihiro SHIMIZU (Matsushita) (Td 9) withdrew on the rationale of regional/company balance.

There were then 3 remaining candidates for the 2 Vice Chairmen positions:

   Ed EHRLICH (Nokia) (Td 8);

   Kevin HOLLEY (BT) (Td 11); and

   Rémi THOMAS (France Télécom) (Td 16).

As no new candidates were nominated the election started.

A first vote resulted in 85 valid and 4 void votes distributed as follows: Ed ERLICH (54 votes i.e. 60.67%), Kevin HOLLEY (28 votes i.e. 31.46%) and Rémi THOMAS (7 votes i.e. 7.87%). When this was announced to TSG-T, it was agreed that Ed EHRLICH should be elected as a Vice-Chairman and that further voting should take place to decide the other Vice-Chairman position between the remaining 2 candidates.

Kevin HOLLEY and Rémi THOMAS were the only candidates for the second Vice-Chairman of TSG-T. The second vote resulted in 93 valid votes distributed as follows: Kevin HOLLEY (59 votes i.e. 63.44%) and Rémi THOMAS (34votes i.e. 36.56%). As the candidate with the lower number of votes received withdrew his candidacy, Mr Kevin HOLLEY was elected. The elected TSG-T Chairmen were subsequently appointed by the PCG on the proposal of TSG-T. Thus the TSG-T Vice Chairmen are: Ed EHRLICH (Nokia/ T1) and Kevin HOLLEY (BT/ ETSI). The final "Results of TSG elections" can be found in TP-99053 (see the overview in annex).

8 Progress report

8.1 T1 Mobile Terminal Conformance Testing

Rémi THOMAS (France Télécom), T1 Convenor, presented the progress of WG T1 SWGs (Td 42). T1 created three sub-groups as follows:

   TSG-T1/RF; Convenor Mitsuro YOKOYAMA (HP).

TSG-T1/Signaling; Convenor Rémi THOMAS (France Télécom).

TSG-T1/EMC; Convenor John FENN (Samsung).

Elections of Chairpersons for T1 and its SWGs will take place in April '99. The work relationship between RAN4 and T1, T2 SWG6 and T1 EMC was noted.

TSG-T approved the revised T1 ToR (TP-99042; see annex) and work items as follows:

Work item T1-001 to 004
RF testing specification for Mobile Station (MS) - using T1-99006 as a working assumption. It will be based on the ARIB output and will use the GSM 11.10 layout of test cases.

1: Test Specifications (RF specifications for FDD)

2: Test Specifications (RF specifications for TDD)

3: Logical Test Interface (FDD)

4: Logical Test Interface (TDD)

Work item T1-005
Protocol test specification for Mobile Station (MS) - using GSM 11.10 as basis the table of contents as identified in T1-99026).

Meeting calendar

TSG-T1/RF	10-11 March 1999	Tokyo	ARIB
TSG-T1/RF	1-2 April 1999		t.b.c.
TSG-T1#2 TSG-T1/RF TSG-T1/Signalling TSG-T1/EMC	13-15 April 1999	Paris/ Issy les Moulineaux	France Telecom

8.2   T2 Mobile Terminal Services and Capability

Kevin HOLLEY (BT), T2 Convenor, presented the progress of WG T2 (Td 26, 43). A work plan was agreed identifying six working areas. For each of the working areas a sub working group (SWG) was established.

SWG1 Execution Environment: on terminal execution environment using wireless, fixed, and cordless access. Chairman: Mark CATALDO (Motorola).

SWG2 Terminal Interfaces: on external interfaces to terminals and alternatives to AT commands. No chairman yet.

SWG3 Messaging: for defining UMTS-specific messaging applications to allow non-real time multimedia messaging, a Short Message Service, and Cell Broadcast Services. No chairman yet.

SWG4 Services End to End Interworking for: Report on Services over IP, report on SAT/MExE/CAMEL scenarios for the support of VHE, and for the review of end to end services. UMTS 21.04, *Requirements for the support of data services in UMTS* will be an input to this SWG. No chairman yet.

SWG5 Multi-mode Terminals will consider other systems and their multi-mode coexistence with UMTS from a terminal and service point of view. Convenor: Sofi PERSSON (Telia).

SWG6 Terminal Features and Performance: will cover aspects as terminal safety and environmental requirements. In addition, SWG6 will work on general features, reviewing all terminal features and identifying a minimum set of features required to support a given application. Chairman: Kiyohito NAGATA (DoCoMo).

GSM 21.04 "Requirements for the support of data services in UMTS" was transferred to 3GPP TSG-T for approval and publication (Td 27).

TSG-T approved the revised T2 ToR (Td 26; see annex) and work items as follows:

Source/ Rapporteur	Title	Scope	ETSI references	ARIB references	3GPP TSG-T approval target date for publication
SWG 1 Execution Environment	MExE requirements (stage 1: TSG-SA WG1)	stage 1 (TSG-SA WG1) based on ETSI 02.57	02.57	-	July 99
	MExE functional description	stage 2/3 based on ETSI 03.57	03.57	-	Dec 99
SWG 2 Terminal Interfaces	physical interface	report on options	04.02, 07.10	Vol.4, Ch.8	April 99
	AT commands for 3GPP	list of AT commands, structure based on ETSI 07.07 incl. SMS	07.07	Vol.4, Ch.8	April 99
	alternatives to AT commands	report on options	-	-	Dec 99
	report of other applications (e.g. object exchange, ME-ME interaction)	identify applications not covered elsewhere + and propose method of handling in WG2	04.02, 07.08	Vol.4, Ch.8	April 99
SWG 3 Messaging	SMS specification	stage 2/3 of SMS base on ETSI 03.40	03.40, 04.11, 03.38, 03.39, 03.47, 03.42	TTC ?	stage1 April 99 stage 2/3 Dec 99
	Cell Broadcast specification	stage 2/3 of CBS base on ETSI 03.41	03.41, 04.12, 03.38, 03.49	TTC ?	stage1 April 99 stage 2/3 Dec 99
	advanced cell broadcast	(need input from TSG-SA WG1) stage 2/3	-	-	Dec 99
	multimedia messaging service	(see TD T2-99014~) stage 2/3	-		Dec 99
SWG 4 Services end to end Interworking	services over IP	report on service over IP incl. FAX	SMG4 work, 21.04		Dec 99
	SAT/MExE/CAMEL scenarios for VHE	report on scenarios	02.78, 03.78, 09.78, 02.57, 03.57, 11.14		Dec 99
	review end-to-end services	report on services			Dec 99
SWG 5 Multi-mode Terminals	aspects of multi-mode terminals	report of work already done	EN 301 242 Tdoc SMG 905/97		May 99
		report on issues that need additional treatment to allow efficient multi-mode terminal implementations			July 99
SWG 6 Terminal Features and Performance	safety requirements	report on safety requirements & regulations in different regions	?	Vol4, chapter 4	Apr 99
	environment & reliability requirements	report on identifying requirements for the regions	?	Vol4, chapter 2.9	Apr 99
		discussion document on the need for common requirements	?	Vol4, chapter 2.9	May 99
	spec (if needed)	harmonised 3GPP requirements			(Dec 99 ?)
	general features	report: - review all terminal features - identify min set for certain applications where the application is supported work close with TSG-SA WG1 + others, see TD T2-99038		Vol4, chapter 2.1; TTC?	July 99

Meeting Calendar

TSG-T2#2	15-19 March 1999	Nortel Networks	London
TSG-T2#3	19-21 April 1999	t.b.c.	Japan
TSG-T2#4	14-16 June 1999	Nokia/T1	USA

8.3   T3 USIM

Klaus VEDDER (Gieseke & Devrient), T3 Chairman, presented the progress of WG T3 (Td 45). At the second meeting in Feb 1999, T3 appointed by acclamation Klaus VEDDER for Chairman and Günther MARINGER (T-Mobil) for Vice-Chairman.

TSG-T approved the revised T3 ToR (Td 19; see annex) and work items as follows:

Work item T3-001
USIM functional characteristics "21.11" -   Rapporteur: Günther MARINGER (T-Mobil)

Work item T3-002
USIM interface specification "11.11" -   Rapporteur: Yutaka MAEDA (Individual Member ?? for ARIB)

Work item T3-003
USIM electrical and mechanical characteristics - Rapporteur: Rune LINDHOLM (Nokia)

Target approval for publication by T3/TSG-T is April 1999.

In the light of the discussions within TSG-T3 on the mechanical interface of the USIM with respect to it being removable, TSG-T has agreed that the USIM shall be a removable, hardware module as the SIM is for GSM. It should be noted that this decision is in line with both the ETSI SMG "Position Paper on the UICC for early UMTS systems" as approved by SMG #27 and endorsed with an additional sentence on plastic roaming by SMG #28 (see T3-99041 = Tdoc SMG P-99-178) and the position of TSG-SA as stated in TSGS#2(99)043 and approved by TSG-SA #2. It was further decided to have as a start an informal liaison between 3GPP and 3GPP2 concerning USIM/R-UIM. Eric JAQUES (AirTouch) volunteered to act as liaison. This liaison should be formalised at a later stage.

TSG-T approved a liaison statement to the other TSGs, based on Td 18, regarding the technical co-ordination between the 3GPP TSGs (Td 51). Based on Td 18 the TSG-T ToR had been revised and submitted to PCG for approval (Td 52; see annex).

Meeting Calendar

| TSG-T3#3 | 16-18 March 1999 | Nokia | Helsinki |
| TSG-T3#4 | 19-21 April 1999 | NTT | Tokyo |

9   ToR Revision

Based on Td 18 the TSG-T ToR had been revised and submitted to PCG for approval (Td 52; see annex).

10   TSG-T Work Plan

ARIB's "Time Schedule for the initial specification production in 3GPP" was given in Td 47. For capacity and spectrum reasons as well as new services, Japan intends to deploy IMT-2000 system in Spring 2001. In order to meet this target, a set of 3GPP approved specifications is needed in Spring 1999. 3GPP work items need still to be created on all ARIB's proposed, and TSG-T approved, work items.

TSG-T noted the "UMTS 30.00 V3.7.0 - SMG Work Programme for UMTS" in Td 44.

Td 28 gives a "Listing of ETSI SMG UMTS Deliverables, Reports and Description documents for possible transfer to 3GPP" and should be used as basis for creation of 3GPP work items; e.g.

UMTS No	Version	Type	Short Title	Notes	ETSI Reference	Comment
21.11	1.1.0	TR	USIM requirements	Draft	DTR/SMG-092111U	Handover to TSG-T WG3

The T3 work plan in Td 17 was noted.

11   TSG-T Working Method

Peter DONAT (Siemens) and Ian DOIG (3GPP support team) presented a proposal for 3GPP Common Working Methods (Td 29, Td 48). TSG-T agreed to adopt them and informed SA2, the leading 3GPP body on these matters, via Peter DONAT (Siemens) and Ian DOIG (3GPP support team).

TSG-T endorsed the proposal from SA (Td 49) on the table format to show the work plan of each deliverable i.e. Technical Specification or Technical Report (TS/TR) viz.

Identity and Type	Title	Rapporteur	Date for approval	Dependency	Features under study (Sections)	Editor	Current status (Date to become stable)
23.01 Spec.	General UMTS Architecture						
23.10 Spec.	Access Stratum						
Note 1:	Major milestone for each TS/TR shall be indicated by having additional rows to show features under study together with the date when such additional features become stable.						
Note 2:	Editor(s) may be assigned in addition to Rapporteurs in case, for example, the volume of the TS/TR is large.						

12   Liaison statements from TSGs and others

Based on Td 21,23 and 24, the TSG-T approved a liaison statement to PCG requesting the continuation of Project Team Support for WGs of 3GPP TSGs (Td 55).

TSG-T endorsed the principle contained in Td 31 from Nokia, that input documents should be originated from Individual Members of 3GPP and not from the corresponding Organisational Partner. This is in conformance with the existing 3GPP Working Procedures Article 8 vs. 7 and 6.

On the offer to 3GPP to liaise with ITU (Td 32) TSG-T re-emphasised that this is formally done by Individual Members of the 3GPP and in general TSG-SA has the leading role within 3GPP on external co-operation.

The liaison statement from ERC/TG1 to 3GPP (Td 35, Td 36) was mainly addressing TSG-RAN. However, it will also be transferred to the TSG-T1/T2 for consideration.

The proposals for managing the TSG Project Co-ordination Role from TSG-SA Convenor (Td 3, Td 30), were discussed in a joint TSGs session. The results are given in Td 59 from Gerry JONES (Omnipoint).

The liaison statements in Td 5 (MMI for MT), Td 15 (S1 service level vs. T2), Td 22 and Td 38 (UE service capability) were discussed by an Ad-hoc meeting on Terminal Capabilities. The results were presented by Kevin HOLLEY (BT) in Td 58. The proposals in Td 58 were endorsed by TSG-T, in particular the recognition that the groups working on system aspects will define terminal capabilities for aspects in their area, and TSG-T will be responsible for having an overview of all terminal capabilities.

TSG-T noted Td 39 on "Concern regarding potential divergence of core network" from AT&T Wireless Services, BT, France Telecom, NTT DoCoMo, TIM and T-Mobil.

TSG-T noted Td 46 from ETSI on "Third Generation Mobile Communications: The way forward for IPR".

TSG-T noted that there were problems with a particular Liaison Statement (LS) and agreed that in the future LSs should be confirmed by the TSG-T management team (Chairman and Vice Chairmen) if the WG/SWG chairman suspects that there may be something controversial contained in the LS.

TSG-T agreed in principle the general approach in Td 57 (source: NEC Technology), which will be forwarded to T2 for further consideration.

TSG-T endorsed the proposal made by TSG-SA (Td 50) regarding the use of UMTS 22.00 (UMTS phase 1 services) and 23.20 (GSM to UMTS evolution) for technical co-ordination purpose across TSGs and WGs. TSG-T and its sub groups should pay particular attention to these two documents during the course of the development of the UMTS phase 1 standards so that work will be done in a timely and consistent fashion throughout the 3GPP. Td 54 was noted.

13   Future meeting schedule

13.1   TSG-T

TSG-T#3 22-23 April 1999	t.b.c.	(Japan)	
TSG-T#4 17-18 June 1999	Nokia/T1	USA	
TSG-T#5 4-8 October 1999	Samsung/TTA	Korea	

13.2   TSG joint meeting

TSG-T#6 13-17 December 1999	tentative TSGs joint	(Japan or ETSI/France)

14   Any Other Business

No issue was dealt with under this agenda item.

15   Close of the meeting

The Chairman, Sang-Keun PARK (Samsung), warmly thanked the hosting organisations for the good meeting facilities and social events, the participants for their active contributions, the 3GPP supporting team, the TSG-T secretary and closed the meeting.

Adopted agenda

1. Opening of the meeting

2. Welcome Address

3. Approval of Agenda — 1

4. Leaders' Meeting Report — 37

5. Report of TSG-T#1 — 2

6. Convenors report and objectives for meeting#2

7. Election — 53

   - Election Procedure — 4,13,24

   - Election of Chairman — 10, 14

   - Election of Vice-Chairman — 8, 9, 10, 11, 12, 16

8. Progress report

   - T1 Mobile Terminal Conformance Testing — 42

   - T2 Mobile Terminal Services and Capability — 26,27,43

   - T3 USIM — 19,45,56

9. ToR Revision — 52

10. TSG-T Work Plan — 17,28,33,44,47

11. TSG-T Working Method — 29,48

12. Liaison statements from TSGs and others — 3,5,15,18,20,21,22,23,30,31, 32,34,35,36,38,39,40,41,46, 49,50,51,54,55,57,58,59

13. Future meeting schedule

   - TSG-T

   - TSG joint meeting

14. Any Other Business

15. Close of the meeting

List of documents

NUMBER	TITLE	SOURCE	AGENDA ITEM
TP-99001	Agenda for TSG-T#2, 2-4 March, 1999	T Convenor	3
TP-99002	REVISED (on TSG-Terminals) Draft meeting Report (TSG#1, 7-8 Dec '98)	T Secretary	5
TP-99003	Liaison statement regarding service development process	T1, T2	12
TP-99004	Procedure for election of TSG-T Chairman & Vice-Chairman	T Secretary	7
TP-99005	LS regarding the specification of MMI for Mobile Station (T2-99050)	T2	12
TP-99006	Withdrawn (covered by TP-99003)		
TP-99007	Withdrawn (covered by TP-99018)		
TP-99008	Candidate for the position of Vice Chair of TSG-T: Ed EHRLICH, Nokia Telecommunications Inc.	T1/Nokia	7
TP-99009	Candidate for the position of Vice Chair of TSG-T: Toshihiro SHIMIZU, Matsushita Japan	ARIB/Matsushita	7
TP-99010	Candidate for the position of Chair or Vice Chair of TSG-T: Peter NEUMANN, Siemens Germany	ETSI/ Siemens	7
TP-99011	Candidate for the position of Vice-Chairman of TSG-T: Kevin HOLLEY, BT	ETSI/ BT	7
TP-99012	Candidate for the position of Vice-Chairman of TSG-T: David FREEMAN, Motorola	ETSI/ Motorola	7
TP-99013	Candidate Chairmen as per 17 Feb 1999	T Secretary	7
TP-99014	Candidate for the position of Chairman of TSG-T: Sang-Keun PARK, Samsung	TTA/Samsung	7
TP-99015	LS regarding Work distribution between TSG-S1 and TSG-T2 (S1-99089)	S1	12
TP-99016	Candidate for the position of Vice-Chairman of TSG-T: Rémi THOMAS, France Télécom	ETSI/ France Télécom	7
TP-99017	Work plan for T3 (T3-99028)	T3	10
TP-99018	LS regarding the technical co-ordination between the 3GPP TSGs (T1-99010/T2-99023/T3-99029)	T1, T2, T3	12
TP-99019	Draft Terms of Reference for TSG-T WG3 (T3-99033)	T3	8
TP-99020	LS from T3 "Liaisons between 3GPP and 3GPP2" (T3-99061)	T3	12
TP-99021	LS from T3 "Project team support for WGs of 3GPP TSGs" (T3-99062)	T3	12
TP-99022	Procedure for the Definition of User Equipment Capabilities in 3GPP	NTT DoCoMo, NEC, Samsung Electronics	12
TP-99023	LS from T2 "Project team support for WGs of 3GPP TSGs" (T2-99052)	T2	12
TP-99024	Procedure for Individual Member voting at TSG#2	3GPP Support Group	7
TP-99025	Withdrawn (covered by TP-99047)		
TP-99026	TSG-T2 Status Report	T2	8
TP-99027	Requirements for the support of data services in UMTS (UMTS 21.04 version 1.0.0)	T2	8
TP-99028	Listing of ETSI SMG UMTS Deliverables, Reports and Description documents for possible transfer to 3GPP	ETSI Secretariat	10
TP-99029	Proposed Working Methods for 3GPP Technical Specification Groups	SMG WOME	11
TP-99030	Proposals for managing the TSG Project Co-ordination Role	TSG-S Convenor	12
TP-99031	Contribution Documents to TSG-Terminal and WGs	Nokia	12
TP-99032	Liaison statement on future collaboration	Chairmen of ITU-T Study Groups 11, 4 and 7 and their collaborators on IMT-2000 standardization	12
TP-99033	Draft UMTS 30.00 "SMG Work Programme for UMTS"	SMG	10
TP-99034	LS from S2 "Project team support for WGs of 3GPP TSGs" (S2-99018)	S2	12
TP-99035	LS from CEPT ERC TG1	CEPT ERC TG1	12
TP-99036	Presentation of LS from CEPT ERC TG1	Lucent Technologies Network Systems UK	12
TP-99037	Appointment of TSG Leadership at Fort Lauderdale	PCG	4
TP-99038	On "Procedure for definition of user equipment capabilities in 3GPP"	Ericsson	12
TP-99039	Concern regarding potential divergence of core network	AT&T, BT, France Telecom, NTT DoCoMo, TIM, T-Mobile	12

NUMBER	TITLE	SOURCE	AGENDA ITEM
TP-99040	TSG Plenary	AT&T, BT, France Telecom, NTT DoCoMo, TIM, T-Mobil	12
TP-99041	Voting Rights	AT&T, BT, France Telecom, NTT DoCoMo, TIM, T-Mobil	12
TP-99042	TSG WG1 #1 meeting report	T1	8
TP-99043	Progress report from T2 Mobile Terminal Services and Capability	T2	8
TP-99044	UMTS 30.00 V3.7.0 - SMG Work Programme for UMTS	SMG/ SMG12	10
TP-99045	Status report T3	T3	8
TP-99046	Third generation mobile communications: the way forward for IPR	ETSI Secretariat	12
TP-99047	Time Schedule for the initial specification production in 3GPP	ARIB	10
TP-99048	Brief explanation of the numbering scheme of the SMG UMTS specification series	ETSI 3GPP support	11
TP-99049	LS to TSG-CN, RAN, T on the proposed table format to show work plan of each TS/TR	TSG-SA	12
TP-99050	LS to TSG-CN, RAN, T on the proposal to use UMTS 22.00 and 23.20 for the purpose of technical co-ordination among TSGs and WGs	TSG-SA	12
TP-99051	LS regarding the technical co-ordination between the 3GPP TSGs	TSG-T	12
TP-99052	Proposal for REVISED ToR for TSG-Terminals	TSG-T	9
TP-99053	Results of TSG elections	3GPP Support Group	7
TP-99054	LS to TSG-CN, RAN, T	TSG-SA	12
TP-99055	Project Team support for WGs of 3GPP TSGs	TSG-T	12
TP-99056	Removable USIM	TSG-T	8
TP-99057	Draft WI on Terminal capabilities	NEC Technologies	12
TP-99058	Meeting report from the Ad hoc meeting on Terminal Capabilities	T2 Convenor, Kevin HOLLEY (BT)	12
TP-99059	Meeting report from the Ad hoc meeting on Proposals for managing the TSG Project Co-ordination Role (SP-99081R2.doc)	TSG-SA, Gerry JONES (Omnipoint)	12
TP-99060	TSG-T#2 Meeting report	T Secretary	

3GPP TSG Chairmen and Vice Chairmen - election details

All the above elections were confirmed by the PCG. The table below summarises the results:

TSG RAN	Name	Individual member	Org Partner
Chairman	Yukitsuna FURUYA	NEC	ARIB
Vice-Chairman	Francois COURAU	ALCATEL	ETSI
Vice-Chairman	Donald ZELMER	BELL SOUTH	T1
TSG SA	**Name**	**Individual member**	**Org Partner**
Chairman	Niels ANDERSEN	MOTOROLA	ETSI
Vice-Chairman	Gary JONES	OMNIPOINT	T1
Vice-Chairman	Armin TOEPFER	MANNESMAN	ETSI
TSG T	**Name**	**Individual member**	**Org Partner**
Chairman	Sang-Keun PARK	SAMSUNG	TTA
Vice-Chairman	Ed EHRLICH	NOKIA	T1
Vice-Chairman	Kevin HOLLEY	BT	ETSI
TSG CN	**Name**	**Individual member**	**Org Partner**
Chairman	Harald DETTNER	SIEMENS	ETSI
Vice-Chairman	Masami YABUSAKI	NTT DoCoMo	TTC
Vice-Chairman	Stephen HAYES	ERICSSON	T1

Proposal for revised ToR for TSG-Terminals (TP-99052)

TERMS OF REFERENCE
TERMINALS
Technical Specification Group

Background

One of the key objectives of third generation systems is that they should aim at providing services anywhere, anytime. This translates into requirements for the 3GPP terminals to roam freely between networks and to be able to circulate freely around the globe.

Terms of reference

The technical specification development work within 3GPP is accomplished by Technical Specification Groups (TSGs) according to the principles and rules contained in the Project reference documentation (Partnership Project Description, Partnership Project Agreement, Partnership Project Working Procedures).

In particular the TSGs report to the Project co-ordination Group (PCG), and may organise their work in Working Groups and liaise with other groups as appropriate.

Each TSG has the responsibility to develop, approve and maintain the specifications within its terms of reference.

The TSG **Terminals** (TSG-T) is responsible for specifying the Terminal Equipment interfaces ensuring that terminals based on the relevant 3GPP specifications meet the 3GPP objectives.

Specifically it has a responsibility for:

- Terminal Equipment performance specifications;
- USIM and its interface specifications;
- Management of the work items placed under its responsibility.
- Liasing with the other TSGs, in particular TSG-S, to ensure a successful overall technical co-ordination.

More specifically, TSG-T will address the following areas of work:

- Service capability protocols;
- Messaging;
- Services end-to-end interworking;
- USIM to Mobile Terminal interface and functionality;
- Model/framework for terminal interfaces and service (application) execution;
- Conformance test specifications of terminals, including radio aspects;
- Multi-mode terminals.

Glossary of terms

USIM   Universal Subscriber Identity Module

Terms of Reference of TSG Terminals WG1 : Mobile Station Testing (TP-99042, T1-99027)

1 Responsibility

The task of 3GPP TSG-T1 is the drafting of the mobile station conformity specifications for the 3GPP standards. The definition of "mobile station" is given in [..].

2 Work Plan

The work plan initially includes :

- Measurement procedures for FDD

- Measurement procedures for TDD

- protocol testing

- some service testing

Identification of EMC requirements referring to international standards is a task of TSG-T1.

3 Working Groups

- EMC sub-group

- RF measurements sub-group

- Signalling sub-group

4 Liaisons

TSG-T1has direct liaisons with SMG7, TSG-SA, TSG-CN, TSG-RAN, TSG-T2, TSG-T3, ARIB WG27 and if needed working groups reporting to these groups.

Terms of Reference of TSG Terminals WG2 : Mobile Terminal Services & Capabilities (TP-99026, T2-99028)

The technical specification development work within 3GPP is accomplished by Technical Specification Groups (TSGs) according to the principles and rules contained in the Project reference documentation (Partnership Project Description , Partnership Project Agreement, Partnership Project Working Procedures).

In particular the TSG Working Groups report to the TSGs which in turn report to the Project co-ordinaise Group (PCG), and may organise their work and liaise with other groups as appropriate.

Each Working Group has the responsibility to develop, approve and maintain the specifications within its terms of reference. The TSG Terminals (TSG-T) Working Group 2 is responsible for specifying the Services and Capabilities to be delivered on UMTS Terminal Equipment and ensuring that terminals based on the relevant 3GPP specifications meet the 3GPP objectives.

TSG-T WG2 will liaise closely with:

- ARIB IMT-2000 Study Committee, Air Interface Working Group, Sub-Working Group 4 (Terminals)
- SMG4
- with other groups as required

Specifically, TSG-T WG2 will address the following areas of work :

- Service capability protocols,

- Messaging,

- Services end-to-end interworking,

- Model/framework for terminal interfaces and service (application) execution

- Multi-mode terminals

- Terminal Performance issues

Terms of Reference of TSG Terminals WG3 : Universal Subscriber Identity Module (USIM) (TP-99019, T3-99033)

1   Responsibilities

Development and maintenance of specifications and associated test specifications for the 3G USIM, and its interface with the Mobile Terminal.

2   Tasks

The main tasks of TSG-T WG3 are:

- to design USIM functionality to support 3G security requirements;

- to provide capabilities for service creation (e.g. evolution of SIM Application Toolkit, APIs);

- to specify download mechanisms for applications;

- to specify the USIM application as part of a multi-application card in a single/multi-card reader terminal environment;

- to evolve current service capabilities based on the SIM into a form suitable for 3G (e.g. user groups for ADN, storage of call records), maintaining backwards compatibility;

- to enhance the current electrical and mechanical interface of the SIM (e.g. electrical parameters, transport protocol, size), maintaining backwards compatibility;

- to provide plastic roaming from GSM to 3G systems and to study plastic roaming from other 2G systems to 3G systems;

- to study plastic roaming from 3G to 2G systems.

3   Liaisons

- with ETSI SMG9 for compatibility with GSM and generic ETSI IC Cards;

- with ARIB 27 working group for compatibility with PDC;

- with other groups as required.

History

Document history	

10 March 1999	Put on the server for approval by correspondence closing **10 April 1999**:
	
	 ftp://www.3gpp.org/TSG_T/TSG_T/TSGT_02/Docs/
	 ftp://www.3gpp.org/TSG_T/TSG_T/TSGT_02/Report/
	
	 as:
	
	 TP-99060.zip (RTF file, zipped)
	 TP-99060.pdf (PDF file)
	
	 Comments, if any, to be addressed to:
	
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10 April 1999	Report approved by correspondence without any comment (az).