

3GPP TSG-SA meeting #3
Yokohama (Japan) 26 - 27 April 1999

TSGS#3(99)170

Progress Report

TSG-T

TSG-T Chairman:
Dr. Sang-Keun PARK
(SAMSUNG / TTA)

WG T1 Mobile Terminal Conformance Testing

Chairman: Bjarke NIELSEN (SONY)

Approval of deliverables & Work Program update

Radio interface conformance test requirements

✓ Draft version(v.1.0.0.) delayed till June'99

- ARIB vol.4 relevant chapters ported in GSM 11.10 format
- Logical Test I/F needs Loop Back Control philosophy def.
- Terminal Logical Test Interface & Measurement Procedure (FDD & TDD) end '99, assuming core specifications from RAN4 (S4.01A & S4.03) stabilized by Sept '99 (TP-99082)
- Lack of contributions makes TDD schedule critical(TP-99082)

Protocol test specification

✓ A multi-part test specification

- part 1: 3GPP terminal test specification (in prose) by 2000
- part 2: 3GPP terminal ICS proforma by 1999
- part 3: 3GPP ATs and IXIT proforma for terminals by 2001

WG T1 Mobile Terminal Conformance Testing

Audio-visual terminal characteristics

✓ LS from S4 (CODEC)

- intention for producing specifications for acoustic performance of terminals
- understands that the acoustic performances are of interest for conformance testing

✓ TSG-T's View

- No 3GPP conformance specifications will be necessary in this area
- S4 to generate test vectors for codec verification and will be utilized by T1 in producing test specifications

WG T1 Mobile Terminal Conformance Testing

Electro-Magnetic Compatibility (EMC) - 1

✓ Problem

- **3GPP EMC standards to meet global regional requirements, difficulties in incorporating in 3GPP specifications**
- **one proposal:**
 - **EMC regulatory requirements for each region/country should be handled as separate annexes of the same deliverable.**
 - **Equipment intended for sell in more than one country/region will then need to be tested against the relevant annexes, and the results submitted to each region/country's regulatory/certification body.**

WG T1 Mobile Terminal Conformance Testing

Electro-Magnetic Compatibility (EMC) - 2

- ✓ **Result of Ad-Hoc meeting with RAN4 advise**
 - **TSG-T concluded that ...**
 - **RAN4 and T1/EMC to proceed independently**
 - **T1 to harmonize EMC specifications for global circulation of 3G equipment**
 - **Liaising with CISPR**
 - **EMC requirements above 1 GHz are being developed by CISPR/IEC, with a longer timeframe than 3GPP's**
 - **LS from T1/EMC to CISPR should get “green light” from PCG**

WG T2 Mobile Terminal Services and Capability

SWG1 Execution Environment

✓ Good progress on MExE R98

- planned to be finalized for SMG#29

✓ MExE stage 2

- GSM 03.57 v1.7.0 is available
- forms the basis for stage 2 of 3GPP work item MExE R99

✓ LS sent to S1 for initiating work on stage 1 of MExE R99

WG T2 Mobile Terminal Services and Capability

SWG2 Terminal Interfaces

✓ Document structure

- Scope, Physical Interface, AT commands, Alternatives to AT commands, Synchronization and object exchange

✓ Discussion whether a physical connector should be standardized

✓ AT commands

- based on existing AT commands for GSM terminal
- related specifications GSM 07.05, 07.07, 07.10 are available for information to TSG-T.

WG T2 Mobile Terminal Services and Capability

SWG3 Messaging

- ✓ **Developed working assumptions for**
 - 3G SMS
 - Messaging Framework
 - Multimedia Messaging Service
- ✓ **SMS 03.40 should be supported**
- ✓ **Enhanced messaging service would be defined as part of the Multi Media Messaging Service**
- ✓ **Stage 1 for multimedia messaging description is urgently required**
 - GSM 03.40, 03.38, 03.39, 03.42 are available for info.

WG T2 Mobile Terminal Services and Capability

SWG4 Services End to End Interworking

✓ Will only meet as a need arises

✓ Deleted work items

- “Services end to end interworking”
 - Review of end to end services
- “Services end to end Interworking”
 - SAT/ MExE/ CAMEL scenarios for VHE

✓ Transferred work

- “Services over IP” to Messaging group (SWG3) with the initial task to consider FAX over IP

✓ Presented for information

- “Study on provision of FAX in GSM and UMTS 22.45” developed by SMG4

WG T2 Mobile Terminal Services and Capability

SWG5 Multi-mode Terminals

✓ Considering

- other systems and their multi-mode coexistence with UMTS from a terminal and service point of view

✓ Work Items

- collecting and referring to work already done on multi-mode terminals
- identify issues that need additional treatment to make implementation & usage of multi-mode terminals efficient

✓ Proposed to merge the two work items

- to one work item named “Multi-mode issues”

WG T2 Mobile Terminal Services and Capability

SWG6 Terminal Features & Performance

- ✓ **Deleted work item**
 - **Environment & reliability requirements because work in RAN4 suffices terminal's requirement**
- ✓ **Split work item "Safety Requirements" into...**
 - **"SAR" and "Electrical Safety" requirements**
- ✓ **Presented a draft TR on "SAR requirements and regulations in different regions" for information**
- ✓ **Under development of a TR on Electrical Safety Req.**
- ✓ **Proposal**
 - **for S1 to provide Service Capability def. (TP-99101)**

WG T2 Mobile Terminal Services and Capability

✓ Input to the April 3GPP for Draft release

SAR: SAR report

IP Fax: 22.45

MExE: GSM 03.57

SMS: GSM 03.40, 03.38, 03.42, 03.39

Terminal Interfaces: GSM 07.05, 07.07, 07.10

✓ Useful Electronic Meeting

- Networks, Microsoft NetMeeting, RAM cards, etc.

✓ Proposal for TSG-SA

- to make some definitions of UE etc based on 30.05
- to set-up of a reflector list on “Terminology”

WG T3 Universal Subscriber Identity Module (USIM)

✓ Work Items according to deliverables

- **“USIM and IC card requirements for 3GPP (UICC)”**
- **“USIM characteristics”**
 - USIM specific command parameters, file structures, contents of data-fields, application protocol and security functions
- **“UICC physical and logical characteristics”**
 - electrical and physical interface of IC card and terminal, logical characteristics of a telecommunications IC card core standard for UICC (and others)

✓ TSG-T approved the first 3GPP deliverable TS:

- 21.x11 "USIM and IC card requirements" ver. 3.0.0

WG T3 Universal Subscriber Identity Module (USIM)

✓ Transfer of existing SMG work to 3GPP

- **Examine case by case basis at WG level. However, a general framework should be formally set-up between TSG-SA (with PCG consultation) and SMG**

✓ Participation in SMG9 Generics of non-ETSI members

- **The extension of SMG9 Generics ToR would allow the liaison with non-ETSI organizations and their participation in the SMG9 Generics work**
- **T3 members active in SMG9 would initiate this process in order to accommodate the identified needs of T3.**

Liaison with ETSI Human Factors

- ✓ LS from ETSI TC Human Factors to 3GPP TSG-SA & T
 - **TSG-T proposed...**
 - concrete requirements for people with special needs should be addressed to TSG-SA/S1. As a first step, SA needs to define requirements. (T2 does not work on MMI)
 - **TSG-T concluded...**
 - TSG-SA should issue the formal 3GPP response to ETSI TC HF.
 - T3 will incorporate with the requirement

Future TSG-T meeting schedule

- TSG-T#4 17-18 Jun 1999 T1 Miami
- TSG-T#5 7-8 Oct 1999 TTA Korea
- TSG-T#6 13-17 Dec 1999 ETSI France
- **Also, Mannesmann proposed to host TSG-T plenary meeting on Jun 7-9 2000 (TBC) in Berlin with SMG.**