Source:	**TSG-T Chairman**
Title:	**Report from TSG-T#3 to TSG-SA#3 meeting, Yokohama, 26-28 April 1999 (PowerPoint) (SP-99170)**
Agenda item:	**n. a.**
Document for:	**Information**

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 ATSs and IXIT proforma for terminals by 2001

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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**

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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.

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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**

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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.**

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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

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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"**

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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)**

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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"**

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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**

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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.

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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**

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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.**

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