

TSG-T Progress Report

**TSG-T Chairman:
Sang-Keun Park
(Samsung Electronics, TTA)**

Contents

- **Progress Report & Issues**
 - **T1: Conformance Testing**
 - **T2: Services and Capabilities**
 - **T3: USIM**
- **Documents for SA #7**

T1 Conformance Testing (1)

- Overview
 - Test cases and methods for R99 radio interface (FDD & TDD)
 - Most items will be completed in June 2000 (7 out of 8 TSs)
 - TTCN completion by March 2001
 - Experts for the funded teams for T1 testing will be evaluated in the beginning of April 2000 (delayed)
 - Major CRs foreseen due to RAN TS after March TSG meeting
 - R99 will include GSM/3G multi-system support and packet data

T1 Conformance Testing (2)

- Current Status of R99 TS/TR

- 34.108: Common Test Conditions V 1.0.0 (TP-000032)
- 34.109: Terminal Logical Test Interfaces V 1.2.0
- 34.121: Radio Performance (FDD) V 3.0.0 (TP-000033)
- 34.122: Radio Performance (TDD) V 1.2.0
- 34.123-1: Conformance Specifications V 1.0.0
- 34.123-2: Implementation Conformance Spec. V 1.0.1
- 34.123-3: Abstracts Test Suites (TTCN)
- 34.124: Electro Magnetic Compatibility (EMC) V 3.0.0 (TP-000034)

T1 Conformance Testing (3)

- Deliverables submitted to T #7
 - Approved as V 3.0.0
 - 3G TS 34.121: Terminal Conformance Specification, Radio Transmission and Reception (FDD) (TP-000033)
 - 3G TS 34.124: Electro Magnetic Compatibility (EMC) for Terminal Equipment (TP-000034)
 - For Information
 - 3G TS 34.108 (V 1.0.0): Common test conditions for UE Conformance Testing (TP-000032)

T1 Conformance Testing (4)

- Approval of New WI for R00 (SP-000128)
 - Title: Table of international EMC Requirements
 - Scope: collection of national/regional requirements for EMC in tabular form (Technical Report)
 - Time Scale: TSG Approval (V 3.0.0): June 2000
- LS to SA request for priority test cases to SDOs (SP-000136)
 - Feedback will be incorporated in TR 34.910 “Identification of Test requirements for regulatory purposes in different regions/countries”

T2 Services & Capability (1)

- Overview

- 10 TSs and 8 TRs completed for R99 on:

- MExE, AT Commands, UE Multiplexer, SMS, CBS, MMS, UE Capabilities, Synchronization, Terminal Interfaces, Specific Absorption Rate (SAR) and Electrical Safety requirements

- TR on multi-mode UE issues not completed

- Two WI are transferred to R00

- Advanced Cell Broadcast
 - Alternatives to AT Commands

T2 Services & Capability (2)

- Approved Documents at T #7
 - 3G TR 21.904: UE Capability Requirements (TP-000026)
 - 3G TS 23.140: Multimedia Messaging Services (TP-000028)
 - 3 CRs regarding LCS, MExE of R98 (TP-000023)
 - 18 CRs regarding SMS, LCS, TEI, MExE, CBS, ASCI of R99 (TP-000024)

T2 Services & Capability (3)

- Issues

- Multi-mode UEs

- TR Number changed

- 3G TR 21.910 to 3G TR 21.810 “Multi-mode UE Issues”

- Duplication of work in other TSGs, Contradiction with other TSs

- More feedbacks from other groups will be sought to approve as version 3 in TSG-T #8

T3 USIM(1)

- Overview
 - Approved 5 specifications for R99
 - TS 21.111, TS 31.101, TS 31.102, TS 31.110, TS 31.111
 - Two on-going specifications for R99
 - TS 31.120 Terminal tests for the UICC interface (Target on June 2000)
 - TS 31.121 UICC Test Specification (Target on June 2000)
- Features on R99
 - Division of the GSM 11.11 into two parts
 - Multiple Applications on the single UICC
 - Interface enhancement, Enhanced Security features, Enhanced FDN/BDN
 - Phonebook, Standardized storage of call information

T3 USIM(2)

- Approved Documents at T #7
 - 3G TS 31.111: USIM Application Toolkit (TP-000055)
 - A CR on 3G TS 21.111: USIM and IC Card Requirements (TP-000017)
 - 9 CRs on 3G TS 31.101: UICC-Terminal interfaces (TP-000013)
 - 25 CRs on 3G TS 31.102: USIM Application (TP-000014)
 - 2 CRs on 3G TS 31.110: Numbering system for application (TP-000015)

T3 USIM(3)

- **Transfer of Specifications**

- SMG #31 agreed to the proposal of SMG9 to transfer the following specifications to 3GPP (TSG-T3)

- GSM 02.19 *SIM Application Programming Interface (API) - stage 1*
- GSM 02.48 *SIM toolkit secure messaging (stage 1)*
- GSM 03.19 *SIM Application Programming Interface (API) – stage 2 . (Java™)*
- GSM 03.48 *SIM toolkit secure messaging (stage 2)*

- TSG-T accepted these specifications for maintenance by T3 and for inclusion in Release 2000 at the appropriate point

T3 USIM(4)

- **Approved New Work Items (SP-000128)**
 - **Tests specification for the USIM API**
 - To allow testing of the implementation of the Toolkit framework and virtual machine (GSM 03.19 and GSM 03.48)
 - TSG-T approval: March 2001 (for R2000)
 - **Feasibility study on interface speed enhancements**
 - Evaluation of different candidates: USB, MMC, FireWire, Enhancement of ISO/IEC 7816 T=1... **(non-exhaustive)**
 - Criteria: performance, power consumption, ease of standardisation & implementation (in the both ME & UICC)
 - TSG-T approval: December 2000

T3 USIM(5)

- Harmonization of telecom IC card (1)
 - Officials meeting #2 in Rome on 17 January 2000
 - Identification of requirements on SMG9 to fulfil the new role
 - Definition of preliminary “working procedures”
 - Identification of some potential platform standards and work (TP-000012 for details)
 - PCG #3 supported officials meeting’s proposal for future direction
 - ETSI Board #24 agreed in principle to transform SMG9 into a new committee open to members of participating committees
 - The SMG9 plenary in May will be open to the other committees

T3 USIM(6)

- **Harmonization of telecom IC card (2)**
 - Requirements for SMG9's new role as identified
 - SMG9 meetings shall be open to all members of supporting committees
 - Location of venues should reflect distribution of participants
 - Open area on ETSI server for documents
 - Elaboration of procedure to solve conflicts required
 - Procedure for the release management to be elaborated by SMG9
 - Common specifications should not have a GSM specification number
 - **Likely impact on the work of T3**
 - Much on the current contents of 31.101 will be replaced by references to the SMG9 platform specification

R00 issues in T

- TSG-T:
 - Has had an initial discussion on R00
 - Understands that some additional terminal features will be required (e.g. multi-media client in terminal)
 - TSG-SA WGs are requested to liaise with TSG-T on the impact of R2000 architecture and service changes to the terminal

Documents for SA #7

- SP-000126: High level summary of R99 for TSG-T for information
- SP-000127: TSG-T update to list of outstanding R99 issues for discussion
- SP-000128: New work items approved at TSG-T #7 for information
- SP-000136: LS “Proposal for prioritisation of the elaboration of conformance test cases for 3G terminals”