

TSG-T#23

Progress Report

Phoenix, Arizona, USA

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TSG-T Chairman

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Structure of TSG-T

Chairman: Sang-Keun Park (SAMSUNG/TTA)
Vice Chairmen: Ed Ehrlich (Nokia/T1), Kevin Holley (mm02/ETSI)
Secretary : Friedhelm Rodermund (MCC)

T1: Conformance Testing

Chairman:

Phil Brown (NTT DoCoMo/ETSI)

Vice Chairmen:

Dan Fox (Anritsu/ETSI)

Hisashi Nakagomi
(NTT DoCoMo/ARIB)

Secretary:

Alain Sultan (MCC)

T2: Services & Capabilities

Chairman:

Ian Harris (RIM/ETSI)

Vice Chairman:

Paul Voskar (Nokia/ETSI)

Secretary :

Friedhelm Rodermund (MCC)

SWG1:

Closed

SWG2:

Vacant (Prem Sood - resigned)

SWG3:

Josef Laumen (Siemens/ETSI)

T3: Smart Card Appl. Aspects

Chairman:

Nigel Barnes (Motorola/ETSI)

Vice Chairmen:

Paul Jolivet (DoCoMo Europe
/ETSI)

Jean Francois Rubon (Gemplus /
ETSI)

Secretary :

Andrijana Jurisic (MCC) - New

SWG API:

Closed at T3#30

T1 Conformance Testing (1/5)

- **Status of RF Test Specifications**

- RRM Progress

- The proportion of complete RRM tests is approximately 40 %
- Good progress on outstanding RRM TCs (6 more RRM tests)

- Routine maintenance (Follow up Database updated)

- TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD) (V5.2.0 → V5.3.0)

- Status of completion

- TS 34.121

- Sect 5 (Tx) 100%
- Sect 6 (Rx) 100%
- Sect 7 (Performance) 98%
- Sect 8 (RRM) 40%*

- TS 34.122 (No change)

- Sect 5 90%
- Sect 6 90%
- Sect 7 85%
- Sect 8 (RRM) nil

*Estimated to be 50% by Jun 04, 100% completion of GCF priority 1 tests by Jun 04

T1 Conformance Testing (2/5)

- **Status of Signaling Test Specifications (1)**
 - TS 34.108 Common Test Conditions for User Equipment (UE) Conformance Testing
 - R99 (V3.14.0 → V3.15.0), REL-4 (V4.9.0 → V4.10.0) and REL-5 (V4.10.0 → V5.0.0)
 - Agreed to create a single version(REL-5) across all releases
 - TS 34.123-1 UE Conformance Specification, part 1- Conformance Statement (V5.6.0 → V5.7.0)
 - Corrections coming from the verification of the TTCN
 - Ongoing discussions over
 - Handling of critical versus non-critical CRs to already approved TCs
 - Splitting some test cases into high and low data rate variants in order to allow GCF validation to proceed with the low data rate ones : Agreed but negative in a longer term concern

T1 Conformance Testing (3/5)

- **Status of Signaling Test Specifications (2)**
 - TS 34.123-2 UE Conformance Specification, part 2 – ICS Implementation Statement (V5.6.0 → V5.7.0)
 - Updated to reflect changes in TS 34.123 – 1
 - TS 34.123-3 UE Conformance Specification, part 3 – Abstract Test Suites (TTCN) (V3.4.0 → V3.5.0)
 - Automatic Document Numbering (ADN) process introduced for TTCN CRs
 - Added GPRS GERAN ASPs to control SS : Allow GPRS<>UMTS InterRAT tests to be drafted
 - LATEST STATUS @ Mar 04

GCF Batch 1	88 (89%)
GCF Batch 2	59 (65%)
Total	147

T1 Conformance Testing (4/5)

- **Report of TTCN Project Team (160) (TP-040036)**
 - T1 PRD-12 fully implemented
 - Controlled deliveries (T1-interim TTCN working delivery every 3 weeks)
 - Efficient coordination (weekly phone conference) : Good result and acceleration of regression tests
 - A formal delivery of V3.4.0 in 34.123-3
 - 103 TCs contained, new ASP enhancement for RAB test
 - Total of 5 TTCN deliveries on core specs baseline March 03
 - New experts in 2004
 - 3 experts selected (1 for RCM & 2 for TTCN) by T1 Leadership and the MCC TF 160 project manager on 14 Jan 04
 - Introduction of RCM (Release and Configuration Manager) has seen a huge improvement in the availability of verified test cases
 - Updated MCC TF 160 ToR (TP-040062)
 - To set a new FDD target for completion of prioritised packages and to introduce LCR TDD into work programme
 - Intention to keep FDD & TDD in the same task force (TF) 160

T1 Conformance Testing (5/5)

- Other Issues in T1

- HSDPA Progress

- Test uncertainties for some performance requirements (HSDPA) added to Annex F of 34.121
 - HSDPA common signalling & RAB configurations added to 34.108
 - 13 HSDPA protocol test cases added to 34.123-1 (MAC-hs, RRC, SM and Radio Bearer)
 - Joint T1-RAN4 HSDPA ad hoc planned in May 04

- LCR TDD

- Workshop held at ETSI, Sophia Antipolis, 12 - 14 Jan 04 to develop a strategy for creating a set of LCR TDD test suites
 - A branch of FDD ATs will be converted for TDD REL-4 Dec 02 version
 - Main resource will be voluntary contributions from CCSA and TDIA working alongside TF 160 for the next 3 months

- The Way Ahead

- Support to GCF for TTCN verified test cases - Deliver minimum 95% of package 1, 80% of package 2 & 70% of package 3 by mid Jun 04
 - Introduce Test Tolerance to at least 6 more of the outstanding RRM test cases

T2 Services & Capabilities (1/2)

- **SWG1: MExE**
 - Closed
- **SWG2: UE Interfaces and Capabilities**
 - TS 23.241 GUP/XML Schema and Data Description Methods: approved as V6.0.0
 - TS 24.241 Common Objects: 60% complete (little progress)
 - Dr. Prem Sood has resigned as SWG2 chair
 - SWG2/CN4 joint meeting scheduled on GUP matters
- **SWG3: Messaging – SMS**
 - Mechanism for checking the existence of an SMS interworking agreement introduced in TS 23.040 as an option

T2 Services & Capabilities (2/2)

- SWG3: Messaging – MMS

- Private addressing schemes work has made significant progress
- MM9 on line charging interface and hyperlink support introduced
- Improvements to MM4 interface (between MMS Relay/Servers) and MM7 interface (between MMS Relay/Server and VASP)
- Ongoing work in the following and other areas:
 - SIP addressing in MMS, MM7 enhancements, MM storage on USIM, Private Addressing Schemes, Charging transparency, Multiple Relay/Servers architecture, Application ID in MMS
- Transfer of MMS to OMA
 - LS to OMA cc T and SA (SP-040029)
 - 95% of 23.140 is bearer agnostic
 - Many detailed procedural issues are highlighted for consideration
 - IPR and copyright issues between 3GPP and OMA is still pending for further progress the transfer of work

T3 Smart Card Application Aspects (1/4)

- **Status of Specifications**
 - General enhancements and updates on
 - TS 11.10-4 R99 Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification (4 CRs)
 - TS 11.14 R99: Specification of the SIM ME Interface for the SIM application toolkit (1 CR)
 - TS 21.111 USIM and IC card requirements (1 CR)
 - TS 31.102 Characteristics of the USIM application (18 CRs)
 - TS 31.103 Characteristics of the ISIM application (4 CRs)
 - TS 31.111 USIM Application Toolkit (USAT) (3 CRs)
 - TS 31.116 Remote APDU Structure for (U)SIM Toolkit applications (1 CR)
 - TS 31.121 UICC-terminal interface; USIM application test specification (2 CRs)
 - CR package on Correction of image instance descriptor for colour icons (7 CRs)

T3 Smart Card Application Aspects (2/4)

- **New specifications approved**
 - TS 31.130 “(U)SIM API for Java Card™” approved as V6.0.0
 - TR 31.919 “2G/3G Java Card API based applet interworking” approved as V6.0.0
- **New WIDs approved**
 - Test specification for (U)SIM API for Java Card™ (TP-040032)
 - To validate implementation of the (U)SIM API on a UICC platform
 - USSD message transfer to USIM (TP-040069)
 - Focuses on alignment with SA1 requirements regarding USSD usage
 - The stage 3 specification of technical requirements for USSD message delivery and transfer to the USIM and to identify secure mechanisms for all use cases
- **TS 31.123 USAT Interpreter Interoperability Test Specification**
 - Decided to close the work item itself (No interest to develop)

T3 Smart Card Application Aspects (3/4)

- Other issues and information in T3 (1)
 - Organizational Issues in T3
 - T3 SWG API is closed after achieving its main goals (specification of APIs, API interworking and 3G Secure Messaging)
 - Specification maintenance will be done by T3 and ad hoc sessions
 - T3 related MMS aspects
 - BIP is the preferred solution to realize a high bandwidth communication between Network element and UICC (LS sent from TSG-T to SA1 in TP-040060 to verify common understanding)
 - Discussions of storage of the Multimedia Message and Multimedia Message elements on the USIM
 - Proposed to extend 'display text' command to make it able to display all sorts of multimedia content on the card but concluded that there is no requirement for this service yet

T3 Smart Card Application Aspects (4/4)

- Other issues and information in T3 (2)
 - 3rd Form Factor (3FF)
 - TS 21.111 has been updated with respect to the third form factor which has been introduced by EP SCP
 - In TS 31.101, the 3FF is adopted by reference to ETSI TS 102 221
 - T3 requests to liaise with WSCC (WLAN Smart Card Consortium)
 - USIM usage for MBMS security
 - T3 endorsed the work of the Ad Hoc group
 - Informed SA3 that T3 has started to work on USIM impact of the MBMS security framework
 - The requirement can be implemented on the USIM for REL-6 TM
 - LS sent from TSG-T to 3GPP2 and SA2 on the harmonization of ISIM (TP-040072)

Other Issues in T

- Discussion on the future of T2
 - LS from T2 on the impact on T2 of transferring MMS stage 2 bearer agnostic work to OMA after MMS REL-6 (TP-040013)
 - Several options suggested
 - Contribution on the closure of TSG-T WG2 (TP-040070)
 - Proposed to close T2 at TSG-T#26 (Dec 2004) and transfer the responsibility for specifications maintenance to TSG-T
 - Result of Discussion
 - Not to set a date for the closure of T2 at this meeting
 - T2 was invited to discuss the matter and report its consensus back to TSG-T in June
 - Members were requested to bring their position to TSG-T in June