

TSG-T#17

Progress Report

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 (mmO2/ETSI)
Secretary : Friedhelm Rodermund (MCC)

T1: Conformance Testing

Chairman:
 Bjarke Nielsen (Qualcomm/ETSI)
Vice Chairmen:
 Peter George (Anritsu/ETSI)
 Hisashi Nakagomi (NTT DoCoMo /ARIB)
Secretary :
 Lidia Salmeron(MCC)
SWG RF :
 Kunitoshi Yonekura (Fujitsu/ARIB)
SWG SIG :
 Dan Fox (Anritsu/ETSI)

T2: Services & Capabilities

Chairman:
 Ian Harris (Teleca/ETSI)
Vice Chairmen:
 Peter Neumann (Siemens/ETSI)
 Gunilla Bratt (Ericsson/ETSI)
Secretary :
 Friedhelm Rodermund (MCC)
SWG1:
 Lars Brenk (TTPCOM/ETSI)
SWG2:
 Prem Sood (Sharp/ARIB)
SWG3:
 Josef Laumen (Siemens/ETSI)

T3: USIM

Chairman:
 Nigel Barnes (Motorola/ETSI)
Vice Chairmen:
 Paul Jolivet (DoCoMo Europe /ETSI)
Secretary :
 Claus Dietze (MCC)
SWG API:
 Paul Jolivet (DoCoMo Europe /ETSI)

T1 Conformance Testing (1)

- **New Work Item approved (TP-020246)**
 - WT_40. Testing of support for IMS, Rel-5
- **RF Test Status**
 - **Maintenance of R99 Specifications**
 - Follow up database maintained and general updates made
 - All core specification changes have been reviewed
 - **RRM Test Cases**
 - 5 new test cases developed (all FDD)
 - Corrections and updates to existing Test Cases
 - Test tolerances now applied to some TCs
 - **Total Test Time**
 - Early Pass/Fail method shown to give a small risk of a false failure
 - A further Statistical method will be sought

T1 Conformance Testing (2)

- **Status of RF Test Specifications**
 - **TS34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD)**
 - 33 CRs approved (V3.9.0 ? V3.10.0)
 - **TS34.122 Terminal Conformance Specification, Radio Transmission and Reception (TDD)**
 - 3 CRs approved for R99 (V3.8.0 ? V3.9.0)
 - 3 CRs approved for Rel-4 (V4.4.0 ? V4.5.0)
 - **R99 RF Test Specification is complete except RRM**
 - **Completeness of RRM Tests**

Document	Test Spec.	Core Spec.
TS34.121 R99	75% ? 84%	98% TM
TS34.122 R99	65% ? 56%(*)	88% ? 90%

* *Reduction due to new test cases being identified*

T1 Conformance Testing (3)

- **Status of Signaling Test Specifications**
 - **TS34.108 Common Test Conditions for User Equipment (UE) Conformance Testing**
 - 10 CRs approved for R99 (V3.8.0 ? V3.9.0)
 - 10 CRs approved for Rel-4 (V4.3.0 ? V4.4.0)
 - Default messages brought into line with June 2002 core specification
 - Default patterns for compressed mode added
 - **TS34.123-1 UE Conformance Specification, part 1- Conformance Statement**
 - 52 CRs approved for Rel-5 (V5.0.1 ? V5.1.0)
 - About 15 % updated to June 2002 core specification
 - Due to lack of T1 resource to update 100%
 - Expected updates to Sept. 2002 by T#18 in Dec 2002
 - RRC, CS and PS corrections and updates
 - Reference RAB tests updated in line with RAN1 and RAN2 requests

T1 Conformance Testing (4)

- **Status of Signaling Test Specifications**
 - **TS34.123-2 UE Conformance Specification, part 2 - ICS Implementation Statement**
 - 9 CRs approved for Rel-5 (V5.0.0 ? V5.1.0)
 - Updated to reflect changes in TS34.123 – 1
 - **TS34.123-3 UE Conformance Specification, part 3 – Abstract Test Suites (TTCN)**
 - V1.4.0 released, contains 672 test cases, incorporating 1300 changes from V1.3.0
 - Based on the core specs March 02, 34.123-1 V5.0.1
 - 672 TC downloadable from T1S server
 - T1 now considers the TTCN ready for verification towards the GCF package 1 requirements in Nov/Dec.
 - 98% of GCF package 1 and 80% of package 2 are ready for verification.

T1 Conformance Testing (5)

- **Report of TTCN Project Team (160) (TP-020183)**
 - **TTCN V1.4.0**
 - **Delivered on 10th July and Press release issued**
 - **Available TC Status**
 - **649 TCs Verifiable**
 - **23 TCs Compilable, but not Verifiable**
 - **56 new TCs included**
 - **89 TC without TTCN**
 - **59 TC have the prose ready, but no TTCN**
 - **30 TC have no TP**
 - **Remarks**
 - **Secured the funding and the expert contracts have resulted in TTCN deliveries in timely manner (as requested by GCF)**
 - **Import ASN.1 June 02 has been done (minor changes needed)**
 - **The change proportion due to the TTCN verifications is low. It is important for industries to report verification results to T1 via MCC.**

T1 Conformance Testing (6)

- **Information & Other Issues:**
 - T1 wished official liaison with OMA. (Already approved by PCG)
 - Some of the T1 delegates have already approached OMA independently regarding common test specifications for applications and services .
 - GCF has identified 2 packages of RF and RRM test cases required by December 2002 and July 2003 respectively
 - These two packages need approval at the GCF steering group meeting on 25th September
 - Drafting of TTCN 2G ? 3G handover test cases
 - Work will start with GSMA Funding
 - GERAN is responsible for 2G to 3G HO TTCN work including financial obligations and future maintenance.
 - Coordination between GERAN5 and T1 will be made to enable usage of their respective TTCN tests in common test suites

T2 Services & Capabilities (1)

- **MExE**

- Further re-structuring/clean-up, new attributes for JAR file
- TR 22.857 Run Time Independent Framework Feasibility Study presented for information
- Proposed way forward for work on Execution Environment
 - WI “MExE Release 6 Improvements and Investigations” :
 - After a way forward in the area of an execution environment has been developed and approved, 23.057 should be frozen and no new functionality, only F CR’s be accepted to 23.057
 - WI “The RTIF Feasibility Study”, the work will be completed and the technical report will be issued
 - The consensus in T is that unbundling of the 23.057 features is desirable, and T2 should study it along the lines described in TP-020197

T2 Services & Capabilities (2)

- **UE Interfaces and Capabilities**

- **Generic User Profile**

- **Dialogue between T2 and SA2 on GUP DDF and Schema Mechanism (TP-020195, TP-020239)**

- T2 SWG2 will meet in October dedicated for GUP DDF discussion
 - A harmonized lean solution will be sought to avoid duplication of work

- **Work on TS 23.241 Stage2 Data Description Framework and TS 24.241 Stage3 Common Objects is progressing**

- **Work in progress to produce a T2 work only WID**

- **User Equipment Management**

- **Discussion ongoing with SA5 on UEM Draft WID**

- **Joint work with SA5 on UEM ongoing**

- **AT Commands:**

- **Discussion on Unclear standardization of AT Command +WS46**

- Request to PCCA for modification to Std 101 was agreed

- LS to PCCA is agreed and is posted for e-mail comments

- TSG-T requests 3GPP establish liaison with Portable Computer and Communications Association (PCCA)

T2 Services & Capabilities (3)

- **MMS**
 - **Change Requests**
 - MMS parameters on the USIM Rel-4, MM7, Time stamp, Support of MAP operation based on the IMSI, Acknowledgements
 - **UE behavior on MMS parameters in SIM/USIM**
 - T2 will further elaborate with T3 participation
 - **WID MMS enhancements (SP-020595) approved**
 - SA1's comments were taken into account
 - **MMS harmonization between 3GPP & 3GPP2**
 - T2 was advised to use the existing mechanisms
 - Delegates participating in both 3GPP and 3GPP2 will make necessary contributions and use existing liaison relationship
 - **Identification of Directory number support in MMS not progressed**
 - T2 will use SA1 guidance
 - **Discussion on MM Message Size definition**
 - T2 definition is preferred but not concluded by T2/SA5

T2 Services & Capabilities (4)

- **MMS (continued)**
 - **Digital Right Management**
 - DRM is an urgent market demand for MMS success
 - Strong concerns about the timely availability of the 3GPP DRM solution
 - TSG-T requests SA discussion for SA2's completion of DRM work in timely manner
 - TS 23.140 Stage 2 includes the MMS protection indicator in the message (not a complete solution)
 - A first DRM solution is almost completed in OMA
 - Presentation on Mobile DRM for MMS by Beep science (Example of DRM initiative in the market led by Telenor)
- **Open Mobile Alliance**
 - Report and Discussion on OMA meeting held in Rome
 - 3GPP and OMA relationship has to be further clearly defined
 - LS to OMA on ongoing Rel-5 MMS MM1 Stage3 work (TP-020258)

T2 Services & Capabilities (5)

- **SMS**
 - CRs on Directory number Identification in User Data Field, MS example error correction
- **EMS**
 - No EMS contribution
- **CBS**
 - CR on Directory number identification

T3 USIM (1)

- **Status of Specifications**
 - **General enhancements and updates on**
 - TS 21.111 USIM and IC card requirements
 - TS 31.101 UICC-Terminal Interface; Physical and Logical Characteristics
 - TS 23.048, TS 31.115 and TS 31.116 Secure messaging
 - TS 31.102 Characteristics of the USIM Application
 - TS 31.103 Characteristics of the ISIM Application
 - TS 31.111 (U)SIM Application Toolkit
 - TS 31.113 / 114 USAT interpreter; Byte codes / Protocol and Administration
 - TS 31.121 UICC-Terminal Interface; Application Test specification
 - TS 31.122 USIM conformance test specification
 - TS 03.19 / TS 43.019 SIM / USIM API – Java Card™
 - **TS 11.11 / TS 51.011 SIM-ME Interface**
 - Introduction of MMS files and procedures for Rel 4 SIM (CR 015) was approved subject to SA's decision. (TP-020218)
 - Feature addition to Rel 4
 - **TS 31.101 will be upgraded to REL-6**
 - 3G specific platform requirements are not mandated in the respective EP SCP specification TS 102 221

T3 USIM (2)

- The transfer of the ownership of 3GPP TS 42.019 from REL-6 onwards to ETSI EP SCP
 - In order to avoid duplication of work resulting in possibly diverging platform specifications
 - It's not intended to have a Rel-6 version of the spec
- **New Specifications for approval**
 - TS 31.131 'C'-language binding to (U)SIM API (REL-6)
 - approved
 - TS 51.013 Test specification for SIM API for Java Card™ (Rel-4)
 - Not approved
 - TSG-T decided to create the R99 version of 11.13
 - T3 will create REL-4 version by CRs.
 - TS 11.10-4 R99 SIM Application Toolkit test specification
 - T3 generated specification in GERAN5 domain.
 - T3 will present it at next GERAN5 for a common way forward (LS from T to GERAN (TP-020259))
- **Document for Information**
 - TS 34.131 Test Specification for 'C'-language binding to (U)SIM API, REL-6 (T#18 Approval)

T3 USIM (3)

- **Information & Other Issues**

- Nigel Barnes (Motorola) was elected as new TSG-T3 chairman and a vacancy for a second Vice-chair exists.
- Updated T3 Terms of Reference : Approved (TP-020222)
- Draft WID for REL-6 on User Equipment Management
 - SA5 comments requested for approval at T#18
 - The WI covers UICC applications as available today (USIM, ISIM)
- Backwards compatibility of Java applets
 - T3 will provide a white paper listing the different options to achieve backwards compatibility of SIM applets and USIM applets
- T3 requested to be involved in the work on DRM (regarding security issues)