TSG-T#21 Progress Report

Frankfurt, Germany

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TSG-T Chairman

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(SAMSUNG Electronics, TTA)

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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:
Phil Brown (3/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 Chairmen:
Paul Voskar (Nokia/ETSI)
Other position vacant
Secretary :
Friedhelm Rodermund (MCC)
SWG1:
 Dissolved
SWG2:
 Prem Sood (Sharp/ARIB)
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 :
Claus Dietze (MCC)
SWG API:
 Paul Jolivet (DoCoMo Europe /ETSI)

T1 Conformance Testing (1/6)

- **RF Test Status**
  - **RRM Background Analysis**
    - Further analysis on test tolerances completed
    - CRs on test tolerances submitted for RRM test cases
    - TR to be developed to capture the work done on measurement uncertainty for the more complex RRM test cases
  - **Maintenance of R99 Specifications**
    - Follow up database maintained
    - Updates made in accordance with the latest core specifications
  - **TS 34.121 Single Release for R99, REL-4 and REL-5**
    - Following T#20, REL-4 & REL-5 versions have now been created
    - Best method of maintaining a single release document based on REL-5 to cover R99, REL-4 & REL-5
    - Work will now start on a single version release of TS 34.122 (expected for approval at T#22)

T1 Conformance Testing (2/6)

- **Status of RF Test Specifications**
  - **TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD)**
    - 46 CRs approved for R99 (3.13.0 ? 3.14.0), REL-4 (4.0.0 ? 4.1.0) and REL-5 (5.0.0 ? 5.1.0)
  - **TS 34.122 Terminal Conformance Specification, Radio Transmission and Reception (TDD)**
    - 8 CRs approved for REL-4 (V4.8.0 ? V4.9.0)
  - **Completeness of RRM Tests**

Document	Test Spec.	Core Spec.
TS 34.121 R99	90% ? 92%	100%

    - Test description was created for Cell Reselection to GSM test case
    - The proportion of RRM tests that now include test tolerances is approximately 20%
    - T1 recognises the importance of focussing effort in this area to deliver more completed tests for GCF validation within the next 6 months
    - No GCF RF tests validated so far are affected and the GCF will be informed

T1 Conformance Testing (3/6)

- **Status of Signaling Test Specifications**
  - TS 34.108 Common Test Conditions for User Equipment (UE) Conformance Testing
    - 21 CRs approved for R99 (V3.12.0 ? V3.13.0) and REL-4 (V4.7.0 ? V4.8.0)
    - Introduction of RB for Wideband AMR testing
    - Corrections to the use of Activation Time following recent clarifications in the core specifications
    - Extension of common procedures to handle the various ways that UEs can attach to networks
  - TS 34.123-1 UE Conformance Specification, part 1- Conformance Statement
    - 53 CRs approved for REL-5 (V5.4.0 ? V5.5.0)
    - Removal of two PACKAGE 2 test cases
    - Agreement on use of ATT flag in GMM test cases
    - Introduction of new test case for RAU procedure
    - Corrections to prose test cases coming from issues found during the verification of the TTCN

T1 Conformance Testing (4/6)

- **Status of Signaling Test Specifications**
  - TS 34.123-2 UE Conformance Specification, part 2 – ICS Implementation Statement
    - 8 CRs approved for REL-5 (V5.4.0 ? V5.5.0)
    - Updated to reflect changes in TS 34.123 – 1
  - TS 34.123-3 UE Conformance Specification, part 3 – Abstract Test Suites (TTCN)
    - 43 CRs approved for R99 (V3.1.0/V3.2.0/V3.2.1 ? V3.3.0)
    - 82 P1 & 21 P2 test cases now verified by T1 to Mar 02 baseline
    - TS 34.123-3 TTCN V3.3.0 will be based on March-03 core specifications
    - TTCN now moving to Mar 03 baseline
    - Major effort by industry to re-verify all test cases on new baseline
    - 3 phase integration plan agreed by T1

T1 Conformance Testing (5/6)

- **Report of TTCN Project Team (160) (TP-030195)**
  - Issued 5 TTCN deliveries
  - 3 new TTCN experts joining the team
  - Moved baseline from March 02 to March 03 in TTCN
  - Implemented prose CRs from T#20 in TTCN for P1+P2
  - Implementation of 3-phases regression test
  - ETSI hosts the regression test for 3 verification teams labs
  - TTCN in 2004
    - New requests received for R99 GERAN ? UTRAN PS HO, REL-4 LCR TDD, REL-5 SIP
    - Major goals for 2004 : Completing R99 for P3 and P4(FDD), Starting & developing above new requests
    - First funding estimation (FDD: 58 MM, TDD: 39MM)
  - T endorsed MCC#160 2004 plan with priority given to original plan without LCR TDD. Funding request at PCG/OP meeting in October

T1 Conformance Testing (6/6)

- **Other Issues in T1**
  - **Work Item Updated**
    - **Thorough internal review of WI progress including support for REL-4 & REL-5 Work Tasks**
    - **Introduction of one WID to cover HSDPA**
  - **OMA related issues**
    - **T1 formally briefed on OMA related issues**
    - **No contributions to T1 for application enabler conformance tests within 3GPP scope**
  - **The way ahead**
    - **More active and close liaison with RAN4 & GCF**
    - **Support to GCF for TTCN verified test cases (Minimum delivery plan for P1, P2 & P3 by late Nov 03)**
    - **Introduce test tolerance to at least 4 more of the outstanding RRM test cases**
    - **Introduce a TR to cover work on measurement of uncertainty**

T2 Services & Capabilities (1/5)

- ## SWG1: MExE

  - 1 editorial CR to complete the TS 23. 057 restructuring

  - SWG1 status

    - SWG1 was dissolved and therefore no appointment of SWG1 chair was necessary
    - Lars Brenk (TTPCom) will continue as MExE rapporteur and will co-ordinate any future issues coming up regarding MExE under the direction of T2

T2 Services & Capabilities (2/5)

- **SWG2: UE Interfaces and Capabilities**
  - **2 CRs approved**
    - **Relates to AT Commands TS 27.007**

  - **Discussion on GUP (Generic User Profile) WID**
    - **All supporting companies with one exception whose names are on this WID have stated that they have no intention to provide any input to progress this work**
    - **Companies whose names are not on the WID are providing contributions**
    - **T2 sought the further support for input from companies at TSG-T**

T2 Services & Capabilities (3/5)

- ## SWG3: Messaging – MMS (1)
  - ### 10 CRs approved
    - Minor maintenance work on REL-5
    - Good progress on REL-6 enhancements
      - OMA DRM Release 1 support in MMS (forward lock and combined delivery and other enhancements)
      - Indicate a size restriction in the Retrieval Request
      - More detailed MM3 specification
      - Extension of MM4 interface for delivery report
      - Reply charging in case of forwarding

  - ### REL-6 MMS WID (TP-030175)
    - Some items with no contribution were deleted in the WID
    - A revised WID approved. The following items were removed :
      - Enhancements to Interworking and Transcoding
      - User Profile mechanisms
      - Streaming enhancements
      - MMBox (Network based storage) enhancements

T2 Services & Capabilities (4/5)

- ## SWG3: Messaging – MMS (2)
  - The use of MMS as a bearer for USAT (LS to SA2 in TP-030228)
    - Investigations by SA1, SA2 and T2 were reviewed
    - TSG-T feels that a more detailed analysis is required from SA2 especially what needs to be changed in the 3GPP system to support it

- ## SWG3: Messaging – CBS
  - Discrepancies between GSM and UMTS 'Service Area List' has now been resolved
  - Inadequate definition of Cbdata field format for UMTS is resolved and will be ready for next TSG-T approval

T2 Services & Capabilities (5/5)

- **SWG3: Messaging – SMS**
  - 2 CRs approved, 1 Joint Meeting
    - Video messaging indication to TS 23.040 and alignment of TS 23.038
    - Joint meeting with ETSI AT-F on Fixed network SMSC's/ MMSC architecture was held
  - T2 requested SA and T's guidance on location-enhanced emergency call service from European Commission using SMS/MMS (TP-030201)
    - T2 will follow SA, SA1 and SA2 discussions for future work

- **SWG3: Messaging – EMS**
  - None

- **Other Issues in T2**
  - The second position of T2 vice chair is still vacant
  - Re-appointment of incumbent SWG2 and SWG3 chairs

T3 Smart Card Application Aspects (1/5)

- ## Status of Specifications
  - General enhancements and updates on
    - TS 11.11 R99 and 51.011 REL-4: SIM-ME Interface (3 CRs)
    - TS 31.102 Characteristics of the USIM Application (8 CRs)
    - TS 51.014 Specification of the SIM-ME interface for the SIM Application Toolkit (1 CR)
    - TS 31.111 USIM Application toolkit (USAT) (4 CRs)
    - TR 31.900 REL-5 SIM/USIM internal and external interworking (3 CRs)
    - TS 11.10-4 R99 Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification (38 CRs)
    - TS 31.121 UICC-Terminal Interface; Application Test specification (2 CRs)
    - TS 31.102 Characteristics of the USIM Application (4 CRs)
    - TS 11.11 R99 and 51.011 REL-4: SIM-ME Interface (2 CRs) (TS31.102/TS11.11/TS51.011 CRs are conditionally agreed subject to CN decision)

T3 Smart Card Application Aspects (2/5)

- **New WID approved**
  - USIM enhancements for WLAN Interworking (TP-030185)
    - Optional enhancements to the smart card application specifications for WLAN Interworking
    - Investigations across possible use cases in the areas of security and provisioning

- **Other issues and information in T3**

  - Support of Short File Identifiers by EFs in DF_Phonebook
    - Long discussion about the interpretation of SFI (Mandatory or Optional) ? Concluded to mandate the SFI in these files
    - It leads to a restriction of max. 30 EFs in DF_PHONEBOOK ? Needs to be resolved from REL-6 onwards

T3 Smart Card Application Aspects (3/5)

- ## Other issues and information in T3 (continued)

  - ### T3 related MMS aspects
    - **T3 agreed to hold an ad hoc meeting in October to discuss the USIM/USAT support of MMS**
    - **The ad hoc will deal with all T3 related MMS aspects for which SA1 requirements have been approved**

  - ### Turnaround Guardtime
    - **Discussion for the impact on T3 applications by the CR to be approved by EP SCP ? Restriction of send/transmit time**
    - **Concluded to send an LS to SCP asking them to consider the fact that implementations exist in the field**
    - **Concluded to add a clarification to TR 31.900 on this issue**

T3 Smart Card Application Aspects (4/5)

- **Other issues and information in T3 (continued)**

  - **Interface speed enhancement**
    - Terminal manufacturers were given an action to check on the terminals behaviour when it introduces the further speed enhancement to the card

  - **USIM usage for MBMS security**
    - Ongoing discussion in SA3 on the usage of the USIM for MBMS security will impact the T3 specifications
    - T3 encourage T and SA to involve T3 in this work as the inclusion of the feature to the smart card for REL-6 is time critical
    - 2 options on how to proceed:
      - Let the work start in T3 before SA3 and SA1 work completion
      - Leave T3 some time after REL-6 official completion date

T3 Smart Card Application Aspects (5/5)

- **Other issues and information in T3 (continued)**

  - **Provisioning Service Connectivity Settings in the USIM**
    - **Future additions to T3 specifications in the areas of WLAN provisioning parameters and generic service connectivity parameters**
    - **OMA working groups are invited to consider the T3 specifications in their work**

  - **SAT testing**
    - **T3 decided to stabilize the test specifications for SAT before starting work on USAT test specifications (TS 11.10-4 R99)**
    - **T3 will discuss a WID proposal on USAT testing at their next meeting in November**

Other Issues in T

- **3GPP/OMA Cooperation**
  - Review of 3GPP/OMA workshop (15th September, Frankfurt)
  - Discussion on the way forward regarding the future work organization of MMS : TSG-T encouraged WG's contributions
  - Proposed LS with Terms of References for a Joint 3GPP/3GPP2/OMA Workshop on MMS Standardization Management (SP-030528)
    - Kevin HOLLEY was appointed as the single "Workshop Organizing Committee" member of 3GPP to coordinate this issue

- **Review & Comments for Revision 4 of Recommendation ITU-R M.1457 (TP-030221)**

- **Review of TR 22.952 Priority Service Guide and Comments to SA1 (TP-030229)**

- **Discussion on the support of SIM in REL-5. Will be raised to SA**