SP-030352

TSG-T#20 Progress Report

Hämeenlinna, Finland

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

T1: Conformance Testing	T2: Services & Capabilities	T3: Smart Card Appl. Aspects
Chairman: Phil Brown (3/ETSI) **Vice Chairmen:** Dan Fox (Anritsu/ETSI) Hisashi Nakagomi (NTT DoCoMo/ARIB) **Secretary (temp.) :** Alain Sultan (MCC)	**Chairman:** Ian Harris (RIM/ETSI) **Vice Chairmen:** Paul Voskar (Nokia/ETSI) Other position vacant **Secretary :** Friedhelm Rodermund (MCC) **SWG1:** Lars Brenk (TTPCOM/ETSI) **SWG2:** Prem Sood (Sharp/ARIB) **SWG3:** Josef Laumen (Siemens/ETSI)	**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 Test Progress**
    - On-going effort to evaluate the method of error analysis to determine the test tolerance for Cell Reselection in CELL_FACH test cases in TS 34.121 (8.3.5.1 & 8.3.5.2)
    - Relative worst case scenario and statistical approach both deemed acceptable and further analysis is ongoing
    - Parameters agreed for single freq test (8.3.5.1)
    - RAN4 guidelines requested for two freq test (8.3.5.2)
  - **Maintenance of R99 Specifications**
    - Follow up database maintained
    - Updates made in accordance with the latest core specifications
  - **Total Test Time**
    - TR34.901 v2.0.1 "Test Time Optimisation based on statistical approaches" completed, version 3 approved
  - **Informal Meeting of RAN4/RF Group (6 – 7 May 03 in Lund, Sweden)**
    - Review of RRM specs (TS 25.133 & TS 34.121)
    - Resulting in 7 CRs to RAN4 meeting

T1 Conformance Testing (2/6)

- **Status of RF Test Specifications**
  - TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD)
    - 6 CRs approved (V3.12.0 → V3.13.0)
    - 1 CR approved triggering the creation of REL-5 (V5.0.0)
    - T1 investigating the best method of maintaining a single Release document (REL-5) to cover R99, REL-4 & REL-5
  - TS 34.122 Terminal Conformance Specification, Radio Transmission and Reception (TDD)
    - 6 CRs approved for REL-4 (V4.7.0 → V4.8.0)
  - Completeness of RRM Tests

Document	Test Spec.	Core Spec.
TS 34.121 R99	90% → 90%	100%
TS 34.122 R99	91% → 91%	100%
TS 34.122 REL-4	60% → 70%	100%

T1 Conformance Testing (3/6)

- ## Status of Signaling Test Specifications
  - TS 34.108 Common Test Conditions for User Equipment (UE) Conformance Testing
    - Maintenance of default message contents and procedures in line with Mar 03 Core specification
    - Introduction and removal of RAB combinations in line with RAN LSs
    - 8 CRs approved for R99 (V3.11.0 $\rightarrow$ V3.12.0)
    - 8 CRs approved for REL-4 (V4.6.0 $\rightarrow$ V4.7.0)

  - TS 34.123-1 UE Conformance Specification, part 1- Conformance Statement
    - Updated in line with Mar 03 core specifications
    - Removal of redundant RAB test cases & state transition test cases considered to have no coverage impact
    - 55 CRs approved for REL-5 (V5.3.0 $\rightarrow$ V5.4.0)

T1 Conformance Testing (4/6)

- ## Status of Signaling Test Specifications
  - TS 34.123-2 UE Conformance Specification, part 2 – ICS Implementation Statement
    - 11 CRs approved for REL-5 (V5.3.0 → V5.4.0)
    - Updated to reflect changes in TS 34.123 – 1

  - TS 34.123-3 UE Conformance Specification, part 3 – Abstract Test Suites (TTCN)
    - 52 CRs approved for R99 (V3.1.0 → V3.2.0)
    - 50 TTCN test cases verified to Mar 02 baseline since T#19, (new total: 66). 10 more expected within 2 weeks
    - Strategy agreed for conversion to Mar 03 baseline
      - By end of Jul 03, P1 & P2 verified test cases will be available per Mar 02
      - Between T1#20 and T#21 all existing tests subject to regression testing using Mar 03 baseline
      - At T#21 approval will be sought for P1 & P2 test cases against Mar 03

T1 Conformance Testing (5/6)

- **Report of TTCN Project Team (160) (TP-030097)**
  - Issued 4 TTCN deliveries on baseline March 02
    - Formal delivery of V310 in 34.123-3 (T#19)
    - Three T1 interim working deliveries
  - Majority of the T1 prose signalling CRs approved in T#19 implemented in TTCN
  - 200 corrections resulted from 70 verification documents
  - Total 66 verified P1 test cases (TCs) available
  - Accelerated TTCN verification : 5 TCs / week
  - Verification result from manufacturer labs
    - 89 P1 TCs + 48 P2 TCs
    - Errors reported back to MCC task 160
  - New TTCN interim Working Document (iWD) structure
  - New call for experts launched (TP-030107)
    - Experts will be selected at end of July by T1 leadership

T1 Conformance Testing (6/6)

- **Other Issues in T1**

  - One Meeting Option adopted (No SWGs)
    - Reduced documentation overheads
    - Convener & Support Assistant positions adopted for each of the two functional areas

  - Work Item Updated
    - New WI 53 to cover CRs to Terminal Conformance Specification of Radio Transmission and Reception for DS-CDMA Introduction in the 800 MHz Band
    - Conformance Testing of MExE – CLOSED

  - Enabler Conformance Testing Discussion
    - T1 is discussing about commencing work on application enabler conformance testing. More concrete proposal (or WID) on how to address this new topic is needed.

T2 Services & Capabilities (1/5)

- ## MExE
  - NONE

- ## UE Interfaces and Capabilities
  - 1 CR (relates to AT Command REL-6)
  - GUP (Generic User Profile)
    - Progress is ongoing but no inputs at TSG-T#20
    - TS 23.241 REL-6 is expected for information in September, and for TSG-T's approval in December
  - UEM (User Equipment Management)
    - No further work. The protocol spec and the GAP analysis will not be delivered
  - SuM
    - Joint Meeting with SA5 - SA5 plans to base SuM on GUP

T2 Services & Capabilities (2/5)

- ## Messaging – MMS (1)
  - ### 13 CRs and REL-6 MMS WID
    - Minor maintenance work on REL-4 and REL-5
    - REL-6 summary
      - Charging and addressing improvements on MM7, Extension of delivery report on MM4, Analysis on MMS applicability to IMS etc
      - OTA provisioning and DRM support might be reviewed at T2#22

  - ### REL-6 MMS WID (SP-030354)
    - The WID MMS Enhancements was revised as requested by TSG-T and SA. TSG-T approved the revised WID.
    - T2 decided that those items which will have no input at T2#22 will be deleted from the WID

T2 Services & Capabilities (3/5)

- ## Messaging – MMS (2)
  - ### 3GPP/3GPP2 MMS harmonization
    - Informal joint discussion was held during T2#21 in San Diego
    - No serious disparity identified affecting interoperability between 3GPP/3GPP2 based on TS 23.140 v5.3.0
    - Priorities for harmonization
      - Priority 1 : MM4 (MMSE inter-working), Media formats
      - Priority 2 : Address resolution
      - Priority 3 : MM7 (VASP inter-working), MM3 (Internet inter-working), MMS Stage2 functions, Capability negotiation other than UAProf
    - Future actions
      - T2 will provide REL-5 CRs since v5.3.0 and REL-6 CRs to date, and 3GPP2 will examine the latest REL-5 v5.7.0 for disparities
      - Discuss possible restructuring of TS 23.140
      - T2 and 3GPP2 agreed to notify each other of any potential disparity in ongoing work

T2 Services & Capabilities (4/5)

- **Messaging – SMS**
  - 5 CRs (1 REL-99, 1 REL-4, 1 REL-5, 2 REL-6)
  - Discussion is needed on FSMSC's (Fixed Network SMSC's) with ETSI AT-F

- **Messaging – CBS**
  - A discrepancy between GSM and UMTS on 'Service Area List' has been brought to T2
  - The outstanding CBS matter on possible discrepancy in 'message length and format' between GSM and UMTS implementations is ongoing

- **Messaging – EMS**
  - NONE

T2 Services & Capabilities (5/5)

- **Other Issues in T2**

  - Elections for the positions of T2 Chairman and two T2 vice Chairmen were held at T2#21
    - Chairman : Ian Harris (Research In Motion)
    - Vice Chairman : Paul Voskar (NOKIA)
    - Appointment of SWG chairs will take place at T2#22

  - Proposals were made on T2's cooperation with OMA
    - Bearer Agnostic parts of TS 23.140 MMS Stage 2/3 identified
    - Leadership meeting with OMA is suggested

  - T2 activities and interactions with other groups were widely discussed at T level

T3 Smart Card Application Aspects (1/5)

- ## Status of Specifications
    - General enhancements and updates on
        - TS 31.101 UICC-Terminal Interface; Physical and Logical Characteristics (1 CR)
        - TS 31.102 Characteristics of the USIM Application (12 CR)
        - TS 31.103 Characteristics of the ISIM Application (3 CR)
        - TS 31.121 UICC-Terminal Interface; Application Test specification (2 CR)
        - TS 51.011 Rel-4 SIM-ME Interface (4 CR)
        - TS 11.10-4 R99 Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification (5 CR)
        - TS 11.14 Specification of the SIM-ME interface for the SIM Application Toolkit (1 CR)
        - TS 23.048 Security Mechanisms for the (U)SIM application toolkit; Stage 2 (1 CR)
        - TS 51.013 Test specification for the SIM API for Java Card™ (1 CR) -> This CR creates Rel-5 of TS 51.013.
        - Upgrade of TS 22.048 ("Security mechanisms for the (U)SIM Application Toolkit; Stage 1") for Rel-5 without CR

T3 Smart Card Application Aspects (2/5)

- **Specification & Report for Information**
  - TS 31.130 Rel-6: (U)SIM Application Programming Interface (U)SIM API; (U)SIM API for Java Card™ (TP-030127)
  - TR 31.919 Rel-6 on: 2G/3G Java Card™ API based applet interworking (TP-030128)

- **Handover of responsibility of TS 11.10-4 to T3**
  - MS conformance specification; Part 4: SIM Application Toolkit conformance specification

- **Updated Terms of Reference (TP-030147)**
  - Title of the group was changed from "USIM" to "Smart Card Application Aspects" & Small editorial correction

- **Updated WID**
  - Test Specification for the Security Mechanisms for the (U)SIM application toolkit Rel-5 (TP-030148)
  - Objective & time schedule for completion was modified

T3 Smart Card Application Aspects (3/5)

- ## Other issues and information in T3
  - Which SIM/GSM services have to be included on the USIM
    - **To which extent has 2G authentication (as being a SIM service) to be supported by the USIM and what is the impact in case of having a 2G HLR, Rel-5 GERAN terminals and the USIM operating?**
    - **It was suggested to forward the issue to SA and SA3 in order to investigate more on that scenario and to ask SA and SA3 if it was acceptable to only accept 3G authentication in the above mentioned scenario.**

T3 Smart Card Application Aspects (4/5)

- **Other issues and information in T3 (continued)**
  - Potential overlap of work with OMA on MMS and User Equipment Management (UEM)
    - USIM could benefit the current UEM specifications (e.g. security)
  - Issues related to toolkit originated emergency calls (regarding SETUP CALL 112 & CALL CONTROL) -> T3 sent LS to SA1 for further guidance
  - A contradiction related to the guardtime of the T=0 transport protocol in TS 11.11, TS 51.011 and TS 31.102 was discussed. -> New CRs were approved
  - The replacement of "SMS-CB" by "CBS" throughout the T3 specifications was discussed
    - T3 concluded to postpone the issue and to point out that SMS-CB is used in many T documents

T3 Smart Card Application Aspects (5/5)

- **Other issues and information in T3 (continued)**
  - T3 presented a WID on MMS support of the USAT for approval
    - The work item was not approved and an LS to SA1, SA2 and T2 was sent
  - WID about MMS storage in the smart card presented directly to T
    - The WID was not approved and T3 was advised to revise the scope of the WI based on the comments made

Other Issues in T

- ## 3GPP/OMA Cooperation
  - Documents on overlap of T2 work with OMA and interaction with other groups were presented to T
  - Long discussion on future OMA/TSG-T cooperation and organization of T2 work after REL-6 freezing date
  - TSG-T advised T2 to focus on REL-6 work, and avoid spending time discussing work transfer to OMA
  - TSG-T agreed that the time scale for rebalancing of the MMS work is at the freezing point of REL-6

- ## Use of Automatic Document Numbering (ADN)
  - TSG T will evaluate the ADN system
  - Up to the management of each WG to decide its usage