TSG-T#25 Progress Report

Palm Springs, CA, USA

8-10 September 2004

TSG-T Chairman

Sang-Keun Park

(SAMSUNG Electronics, TTA)

Contents

- **Structure of T**

- **Progress Reports**

  - T1: Conformance Testing

  - T2: Services and Capabilities

  - T3: Smart Card Application Aspects

- **TSG-T#25 REL-6 Status Summary**

- **Other Issues in T**

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 (NTT DoCoMo/ETSI) **Vice Chairmen:** Dan Fox (Anritsu/ETSI) Hisashi Nakagomi (NTT DoCoMo/ARIB) **Secretary:** Alain Sultan (MCC)	**Chairman:** Ian Harris (RIM/ETSI) **Vice Chairmen:** Paul Voskar (Nokia/ETSI) Nicola Vote (NTT DoCoMo/ARIB) **Secretary :** Friedhelm Rodermund (MCC)	**Chairman:** Nigel Barnes (Motorola/ETSI) **Vice Chairmen:** Paul Jolivet (DoCoMo Europe /ETSI) Jean Francois Rubon (Gemplus / ETSI) **Secretary :** Friedhelm Rodermund (MCC)

T1 Conformance Testing (1/6)

- ## Status of RF Test Specifications

  - ### RRM Progress

    - The proportion of complete RRM tests is approximately 88 %
    - Good progress on outstanding RRM TCs (6 more RRM tests)
    - Target remains 100% completion after T1#25 in Nov 04

  - ### TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD) (V5.4.0 → V5.5.0)

  - ### Status of completion

    - TS 34.121
      - Sect 5 (Tx) 100%
      - Sect 6 (Rx) 100%
      - Sect 7 (Performance) 98%
      - Sect 8 (RRM) 88%*

    - TS 34.122 (No change)
      - Sect 5 90%
      - Sect 6 90%
      - Sect 7 85%
      - Sect 8 (RRM) nil

  *Estimated completion date of all GCF high priority tests : 05 Nov 04

T1 Conformance Testing (2/6)

- **Status of Signaling Test Specifications (1)**
  - TS 34.108 Common Test Conditions for User Equipment (UE) Conformance Testing (V5.1.0 → V5.2.0)
    - Unification of all releases within the REL-5 specification now completed
    - RAB configurations to support HSDPA
  - TS 34.123-1 UE Conformance Specification, part 1- Conformance Statement (V5.8.0 → V5.9.0)
    - Corrections coming from the verification of the TTCN
    - Removal of idle mode test case 6.1.2.7 based on input from RAN 2
    - Cooperation with T1-RF to resolve channel power offset issues in higher data rate test cases
    - New test cases introduced (MAC, TFC selection, PDCP, Tests for RoHC, RRC Inter RAT, RRC Physical Channel Reconfiguration failure case, RAB, new combination for Wideband AMR)

T1 Conformance Testing (3/6)

- ## Status of Signaling Test Specifications (2)
  - TS 34.123-2 UE Conformance Specification, part 2 – ICS Implementation Statement (V5.8.0 → V5.9.0)
    - Updated to reflect changes in TS 34.123 – 1
  - TS 34.123-3 UE Conformance Specification, part 3 – Abstract Test Suites (TTCN) (V3.6.0 → V3.7.0)
    - LATEST STATUS (@ 9 Sept 04)

	@T#24	@T#25
GCF Batch 1	90	93 (94%)
GCF Batch 2	73	81 (86%)
GCF Batch 3	42	76 (80%)
GCF Batch 4	nil	22*(23%)

- *Batch 4 tests are fully approved as Batch 3 is now 80% verified
- In total, 65 new test cases have been verified since T#24
- At least another 55 Batch 4 tests need to be verified by early Nov 04

T1 Conformance Testing (4/6)

- ## Other Issues in T1 (1)
  - ### New Work Items approved
    - Terminal Conformance Specification of Radio Transmission and Reception for introduction in the UMTS-850 MHz Band
    - Difference and Corresponding Effect Analysis between FDD and 1.28Mcps TDD in Radio Access Stratum Protocol Aspects
    - General changes to TS 34.121 & TS 34.122 corresponding to changes in REL-6
  - ### HSDPA Progress
    - Protocol tests now 55% complete, RF tests now 87% complete
    - 10 new HSDPA RRC test cases introduced
    - HSDPA tests already being considered by GCF prioritization based on T1 output
    - Another 22 test cases identified to cover the state transition
  - ### A-GPS Progress
    - 10 new A-GPS tests introduced to TS 34.123 – 1
    - Tests for UE-based and UE-assisted to cover GPS assisted emergency calls, position estimation, and some failure cases

T1 Conformance Testing (5/6)

- **Other Issues in T1 (2)**
  - RCM (Release and Configuration Manager) Funding
    - Widespread agreement for the role of RCM
    - T1 agreed to consider funding as part of the overall budget requirement being identified by TF 160
  - LCR TDD TTCN
    - TF 160 Manager has used 2003 under-spend of 68K Euros to resource support for the LCR TDD effort
    - TDIA continues to supply 4 experts to work alongside TF 160 for LCR TDD TTCN
    - TDIA estimates it will need 33 man months to continue its work at ETSI in 2005
  - The Way Ahead
    - Support to GCF for TTCN verified test cases - Deliver minimum 95% of P1, 90% of P2, 85% of P3 and 80% of P4 by early Dec 04
    - Support to GCF for FDD RRM test cases
      - ✓ Deliver 100% of all tests by early Dec 04
    - LCR TDD TTCN: 120 test cases to be developed by early Dec 04 by TDIA

T1 Conformance Testing (6/6)

- **Report of TTCN Project Team (160) (TP-040147)**
  - FDD R99 Result since T#24
    - Reached the P3 milestone 80% and started P4 verification
    - P1 and P2 verifications are going on : P1-94%, P2-86%
  - RCM Result
    - GCF funding for RCM is reduced from 6mm to 5 mm (Covered the 50% of RCM job)
    - Tracked all TTCN CRs and comments
    - A test case reservation system introduced to avoid duplicate efforts between the TTCN verification teams
  - LCR TDD TTCN
    - 68 k€ 3GPP funding contracted to CCSA/TDIA for LCR TDD TTCN in 2004
    - Two CCSA/TDIA teams alternated working at ETSI for TDD
    - 101 TDD TCs derived from FDD and now available
  - 2005 funding of 73 mm was endorsed at T#25 and T will take it to PCG (TP-040199, refer to the table below)

Tasks	Requirement (mm)	% of budget	Industry references
R99 maintenance & enhancement	21	30	GCF WI-010, draft GCF WI-012
LCR TDD	16	22	TDIA WG terminal conformance test
Rel-4 & Rel-5 core functionality test	11	14	Draft GCF WI-013
HSDPA test	16	22	Draft GCF WI-014
RCM	9	12	T1-041453
Total	73	100	

T2 Services & Capabilities (1/2)

- **AT Commands and General Terminal matters**
  - 2 CRs approved (TS 27.007 REL-6)
    - Correction to AT command +CHSN
    - AT command support for logical channels (4 new AT commands)

- **SMS**
  - 7 CRs (2 REL-4, 2 REL-5, 3 REL-6) approved
    - TS 23.038/TS 23.040 Message Waiting Indication - Multiple Subscriber profile guidance
    - TS 23.040 Enhanced Voice Mail Indication Mailbox number priority

- **CBS**
  - 1 CR (TS 23.038 REL-6) approved
    - Enhanced Voice Mail Information CBS applicability

- **MMS**
  - 11 CRs (TS 23.140 REL-6) approved including several functional enhancements
    - Application Addressing ID, Support for MSCF, Additional DRM requirements for the R/S, Clarification to WAP and IP based MM1, Status text in MM1 delivery report, Content Adaptation, Clarification MM4 delivery report forwarding, MM4 responses to R/S, MM4 Multiple Recipients, MM7 VAS Identification, Deletion of Mapping table MM7 submit Request to MM4 Forward Request

T2 Services & Capabilities (2/2)

- **MMS**
  - Delay in freezing 23.140 REL-6 agreed to complete the following outstanding items
    - High probability of completion at T#26
      - Replace/Cancel MM (MM1, MM7), Delete Deferred MM (MM1)
      - TS 29.140 Stage 3 MM10 Protocol (R/S-MSCF) : Presented to TSG-T for information (new specification)
    - Completion at risk because of little input
      - IMS Deferred Messaging (SIP addressing)
      - Multiple Relay/Servers
    - 'Support for security and privacy enhancements: e.g. End to End Security, terminal security, prevention of Spam' will NOT be completed for REL-6
  - TSG-T agreed that the open items can be included as part of REL-6 and the three MMS WIDs will be closed at the next TSG-T meeting

SP-040674

T3 Smart Card Application Aspects (1/3)

- **Status of Specifications**

    - General enhancements and updates on
        - TS 11.10-4 Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification (5 CRs)
        - TS 31.101 UICC-terminal interface (2 CRs)
        - TS 31.102 Characteristics of the USIM application (10 CRs)
        - TS 31.103 Characteristics of the ISIM application (3 CRs)
        - TS 11.14/TS 51.014 SIM Application Toolkit (SAT) (4 CRs)
        - TS 31.111 USIM Application Toolkit (USAT) (13 CRs)
        - TS 31.116 Remote APDU Structure for (U)SIM Toolkit applications (1 CR)
        - TS 31.121 UICC-terminal interface; USIM application test specification (11 CRs)
        - TR 31.900 SIM/USIM interworking (1 CR)

    - Updated WID approved (TP-040186)
        - Test specification for (U)SIM API for Java Card ™

    - TS 31.048 V1.0.1 (REL-5) : Test Specification for TS 23.048 (Security Mechanisms for the (U)SIM application toolkit; stage 2) presented for information

SP-040674

T3 Smart Card Application Aspects (2/3)

- **Other issues and information in T3 (1)**

  - T3 structure
    - Nigel Barnes (Motorola) re-elected for T3 chairman at TSG-T3#32
    - Thanks were expressed to Andrijana Jurisic (MCC) and Friedhelm Rodermund (MCC) started to act as the new T3 secretary

  - T3 decided not to maintain R98 and earlier release specifications
    - Need for the view of SA if they see a problem with having T3 not maintaining older specs while other WGs still do (as there was a single R98 CR at the last SA meeting)

  - Uncertainty as to whether GSM-only R99/REL-4 UEs are permitted or specifically forbidden the ability to support a USIM
    - The specifications are not clear, neither preventing this or specifically allowing it
    - This could affect TR 31.900 (SIM/USIM interworking)
    - TSG-T concluded that this is NOT explicitly forbidden and therefore it's permitted

  - MMS storage on the card
    - Subject to the work on "large files" of SCP, which has been approved in SCP

T3 Smart Card Application Aspects (3/3)

- ## Other issues and information in T3 (2)
  - Long discussion on references to the SCP specifications
    - If non-specific, later release features could be invoked into early release specifications by stealth (e.g. : REL-6 features into REL-4/99 specifications by reference)
    - Solution appears to be to make the non-3GPP/GSM references specific to Release or date, likely therefore to see CRs to REL-4 and 5 specifications making this happen. MCC consulted, and advice received, "refer to specific SCP versions in T3 Specs" to prevent any problem

  - Discussion as to whether there can be more than one TERMINAL PROFILE per card session
    - This has been permitted by SCP
    - T3 could not decide whether to introduce this feature into the T3 specifications, no advice given by T, T3 to continue to discuss

  - Re-definition of HPLMN file was postponed
    - It's for introducing Equivalent HPLMN (EHPLMN)
    - Awaiting input from CN1: two solutions offered (re-define the use/functionality of the existing file, OR add a new file)

TSG-T#25 REL-6 Status Summary

- Apart from Testing which naturally follows the core specs with some delay, most of the REL-6 work has been completed at this TSG-T#25 meeting.

- The outstanding items are expected to be completed at TSG-T#26 except the following items which are at risk:
  - MMS: IMS Deferred Messaging – no input for some time
  - MMS: Multiple Relay/Servers – no input for some time

Other Issues in T

- **Discussion about the following documents on:**
  - Testing of all Release 99 Features from MCC/T1 (TP-040190)
    - Intended to create a report on the status of testing of different features
    - Some further comments will be welcomed
  - Specs per Release from MCC
    - WGs were tasked to decide on which specs need upgrading to REL-6
    - This has to be endorsed at the next TSG meetings

- **Discussion about the following LSs:**
  - LS to TSG-RAN for the Revision 5 of Recommendation ITU-R M.1457
    - Several T3 specifications are added to the list
  - LS concerning harmonization of MMS provisioning files between 3GPP & 3GPP2
    - T2 & T3 are requested to complete the necessary work to provide the service requested by 3GPP2-TSG-C
  - LS to 3GPP2-TSG-C concerning harmonization ISIM between 3GPP & 3GPP2
    - Informs 3GPP2 about the approval of a CR on this at TSG-T#25

- **Re-organization issue**
  - Any re-organization is suggested to take place subsequent to the March 2005 meetings
  - PCG meeting in October will discuss this issue, and reports back to TSG T WG meetings will happen in due course