TSG-T#26 Progress Report

Athens, Greece

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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

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 Chairmen:
Paul Voskar (Nokia/ETSI)
Nicola Vote (NTT DoCoMo/ARIB)
Secretary :
Friedhelm Rodermund (MCC)

T3: Smart Card Appl. Aspects

Chairman:
Nigel Barnes (Motorola/ETSI)
Vice Chairmen:
Paul Jolivet (DoCoMo Europe /ETSI)
Jean Francois Rubon (Gemplus / ETSI)
Secretary :
Friedhelm Rodermund (MCC)

T1 Conformance Testing (1/7)

- **Status of RF Test Specifications**
  - **RRM Progress**
    - **The overall proportion of complete RRM tests is 95 %**
    - **Good progress on outstanding RRM TCs (3 more RRM tests)**
  - **TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD) (V5.5.0 → V5.6.0)**
  - **Status of completion**

    - **TS 34.121**
      - **Sect 5 (Tx) 100%**
      - **Sect 6 (Rx) 100%**
      - **Sect 7 (Performance) 100%**
      - **Sect 8 (RRM) 95%**

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

  - **UMTS 850 MHz (Band V) Progress**
    - **1 CR into TS 34.108, 4CR into TS34.121 to introduce 850 MHz band V**
    - **Work estimated 40% complete and plan to complete by T1#27 (Apr 05)**

T1 Conformance Testing (2/7)

- **Status of Signaling Test Specifications (1)**
  - TS 34.108 Common Test Conditions for User Equipment (UE) Conformance Testing (V5.2.0 → V5.3.0)
    - Number of corrections for problem found during test case verification
    - Corrections for Inter RAT test cases (generic SIB contents)
    - Addition of reference RAB combinations
    - Update of HSDPA default messages following LS from RAN2
    - Addition of new HSDPA RAB configurations with UL 64 kbps
    - TDD LCR corrections
  - TS 34.123-1 UE Conformance Specification, part 1- Conformance Statement (V5.9.0 → V5.10.0)
    - Most corrections to prose test cases are coming from issues found during the verification of the TTCN
    - Only 15 CRs require further changes to the TTCN

- **Status of Signaling Test Specifications (2)**
  - **TS 34.123-2 UE Conformance Specification, part 2 – ICS Implementation Statement (V5.9.0 → V5.10.0)**
    - **Updated to reflect changes in TS 34.123 – 1**
  - **TS 34.123-3 UE Conformance Specification, part 3 – Abstract Test Suites (TTCN) (V3.7.0 → V3.8.0)**
    - **LATEST STATUS (@ 7 Dec 04)**

	@T#25	@T#26
GCF Batch 1	93	94
GCF Batch 2	81	84
GCF Batch 3	76	82
GCF Batch 4	22	72

  - **Decisions on GCF Low Priority test cases:**
    - **Low priority TCs will be delivered by TF 160 on demand but will only be maintained subject to further voluntary contributions**

- **Other Issues in T1 (1)**
  - **New specifications**
    - **TR 34.902 – "Derivation of test tolerances for multi-cell Radio Resource Management conformance tests" approved**
    - **TS 34.171 – "Assisted Global Positioning System (A-GPS) Performance Frequency Division Duplex (FDD)" presented for information**
  - **HSDPA Progress**
    - **Protocol tests now 82% complete**
      - **46 out of 56 planned test cases ready**
    - **FDD RF tests 87% complete, TDD RF – no inputs**
    - **Target date for remaining planned test cases is T1#26 (Feb 05)**
    - **HSDPA tests being considered by GCF prioritization based on T1 output (GCF WI 014 for completion by Nov 05)**
  - **A-GPS Progress**
    - **Signalling**
      - **6 new A-GPS tests introduced into TS 34.123 – 1**
      - **Tests for UE-based and UE-assisted**
    - **RF**
      - **6 tests introduced from RAN4 core spec TS 25.171**
      - **Work estimated 50% complete and plan to complete in June 05**

- ## Other Issues in T1 (2)

  - ### LCR TDD TTCN

    - TDIA continues to supply experts to work alongside TF 160 to develop LCR TDD TTCN
    - 197 test cases have been coded
    - Target is to code around 400 tests in 2005

  - ### The Way Ahead

    - Support to GCF for TTCN verified test cases
      - Deliver minimum 95% of P1, 95% of P2, 90% of P3 and 90% of P4 by early March 05
      - Prepare minimum 90% of GCF WI 012 by early Mar 05
      - Start REL-5 regression testing for P1 to P4
    - Support to GCF for additional FDD RF test cases
      - Deliver 50% of all tests by early March 05
    - LCR TDD TTCN
      - 220 test cases to be developed by early Mar 05 by TDIA

T1 Conformance Testing (6/7)

- **Report of TTCN Project Team (160) (TP-040288)**
  - **Update of MCC task 160 ToR for 2005 approved (TP-040289)**
  - **TTCN workshop was held at ETSI 9-10 Nov 04 (TP-040232)**
    - **Release strategy for 2005**
    - **Decisions on GCF Low Priority test cases**
  - **General Progress**
    - **Total approved P1~P4 TCs (GCF WI-10) reached 88%**
    - **P4 verified TCs : 82%**
    - **FDD TTCN deliveries in 2004 : 4 formal deliveries + 17 T1 interim deliveries**
  - **TTCN Tasks 2005 for FDD**
    - **Baseline moving from "R99 March 03" to "REL-5 Dec 04" for R99 stream for GCF WI-10 & 12 (R99 interoperability test)**
    - **Baseline "REL-5 Dec 04" for REL-5 stream starting in March for GCF WI- 13(Enhancement), & WI-14(HSDPA) (essential for HSDPA test)**

- **Report of TTCN Project Team (160) (TP-040288) (cont'd)**
  - **FDD Milestones 2005**
    - **95% of GCF R99 WI-10 & 12 on R99 baseline : 20 May 05**
    - **95% of GCF R99 WI-10 & 12 on REL-5 Dec 04 baseline : 03 June 05**
    - **80% of GCF REL-5 WI-13 & 14 on REL-5 Dec 04 baseline : 10 Sept 05**
  - **A-GPS test 2005**
    - **Recently GCF is introducing a new WI-15 for A-GPS test**
    - **A-GPS will become one of the tasks in 2005**
  - **LCR TDD 2005**
    - **Decision on the baseline moving to REL-5 Dec 05 is not yet made**
    - **Proposal will be made at T1#26 (Feb 05)**
  - **Updated resource situation for TF 160 in 2005 @ Dec 04**

T2 Services & Capabilities (1/2)

- **EMS, CBS, SMS**
  - **No contributions and no documents**

- **AT Commands and General Terminal matters on several topics**
  - **12 CRs approved (TS 27.007, 2 REL-5, 10 REL-6)**

- **MMS**
  - **21 CRs (TS 23.140 REL-6) approved**
  - **Status of 23.140 REL-6**
    - **Replace/Cancel MM (MM1,MM7) : Completed**
    - **Delete Deferred MM (MM1) : Completed**
    - **TS 29.140 Stage 3 MM10 Protocol (R/S-MSCF) : Completed**
    - **IMS : Not completed**
    - **Multiple Relay/Servers : Not Completed**
  - **New specification approved**
    - **TS 29.140 MM10 interface based on Diameter protocol stage3**

T2 Services & Capabilities (2/2)

- **REL-6 Specifications/Reports Upgrade Proposal was endorsed by TSG-T**
  - A number of Specifications/Reports under T2 have not had any input for REL-6
  - To upgrade the following to REL-6
    - TS 23.042 (SMS Compression)
    - TS 27.005 (SMS/CBS Data Terminal Equipment Interface)
    - T2 27.010 (TE-UE Multiplexer Protocol)
  - NOT to upgrade the following to REL-6
    - TR 23.039 (SMSC–SME Protocols)
    - TS 23.227 (Application and User interaction in the UE)
    - TR 27.901 (Report on Terminal Interfaces)
    - TS 27.103 (Wide Area Network Synchronization)

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 (17 CRs)
    - TS 11.13 Test specification for SIM API for Java Card™ (1 CR)
    - TS 31.101 UICC-terminal interface (3 CRs)
    - TS 31.102 Characteristics of the USIM application (16 CRs)
    - TS 31.103 Characteristics of the ISIM application (3 CRs)
    - TS 31.111 USIM Application Toolkit (USAT) (8 CRs)
    - TS 31.113 USAT Interpreter (2 CRs)
    - TS 31.115 Secured packet structure for (U)SIM Toolkit applications (1 CR)
    - TS 31.116 Remote APDU Structure for (U)SIM Toolkit applications (1 CR)
    - TS 31.120 Physical, Electrical and Logical test specification (1 CR)
    - TS 31.121 UICC-terminal interface; USIM application test specification (3 CRs)
    - TS 31.122 USIM conformance test specification (1 CR)
    - TS 31.130 USIM API for Java Card (6 CRs)
    - TR 31.900 SIM/USIM interworking (1 CR)
    - TR 31.919 2G/3G Java Card™ API based applet interworking (1 CR)
    - TS 51.011 Specification of the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface (1 CR)
    - TS 51.013 SIM API for Java Card test specification (13 CRs)
    - TS 51.014 SIM Application Toolkit (SAT) (2 CRs)

T3 Smart Card Application Aspects (2/3)

- **Other issues and information in T3 (1)**
  - **New specifications**
    - **TS 31.048: REL-5 Test Specification for TS 23.048 (Security Mechanisms for (U)SAT) (TP-040272) approved**
    - **TS 31.124: REL-6 USAT Conformance Test Specification (TP-040271) presented for information**
  - **Tests**
    - **CAT/USAT tests will be lead by 3GPP and SCP will be able to get part of them later on**
    - **In order to formalize the liaison possibility with other committees (inc. SCP) a USIM API testing group was created**
  - **MMS related discussions**
    - **Discussion on the understanding of the requirement for DISPLAY MM**
      - **Mobile handsets manufacturers willing to have the same mechanism than for SMs**
      - **Final agreement on DISPLAY MM command without priority mechanism**

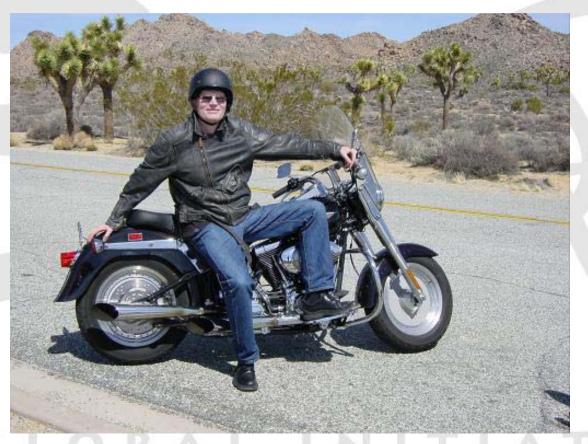# T3 Smart Card Application Aspects (3/3)

- **Other issues and information in T3 (2)**
  - The status and plan of deliverables was endorsed by TSG-T
    - Following specifications should be upgraded
      - 31.112/114 to REL-6
      - 31.120 (REL-4/5/6 to be created in order to work only on REL-6)
      - 31.122 to REL-4
      - 31.900 to REL-6 and REL-5 withdrawn
    - Following specifications will not be upgraded in later releases
      - 22.048 sufficiently reflected in SCP specification TS 102 224
      - 23.048 transferred in TS 31.115/116 from Release 6
      - 31.110 further discussion in the group to foresee how to deal with tags and numbering
      - 31.121 some CRs available for REL-5
      - 51.011/51.013 tests dealing with SIM
    - Extra time is required for REL-6 in some specific cases
      - TS 31.111 : Envelope MMS Notification
      - TS 31.102 : Alignment with TS 33.234 (for WLAN)
  - TSG-T endorsed that T3 vice chairmen remain in their position until the next meeting

Other Issues in T

- **Last meeting for Friedhelm Rodermund with TSG-T**
  - Served as T secretary since March 2002, T2 Secretary from the beginning of 3GPP and also served as T3 secretary.

Other Issues in T (cont'd)

- **Joint session with TSG-RAN**
  - New ToR of the new TSG-RAN was endorsed (TP-040293)
  - New T1 group will propose their new ToRs as R5

- **Joint session with TSG-CN**
  - CN & T to CT transition details are agreed (TP-040296)
    - Proposed default naming will be used
    - Documents in CT and its working groups will start with C
    - WG elections will be delayed until after the next TSG meeting (The assumption is that the elected officials continue to serve until the elections)
    - The default would be to consider the WGs as "old" after the restructuring
    - TSG has the prerogative to declare a WG as "new" if it is deemed necessary
    - Having three vice-chairs in CT
  - New ToR of the new TSG-CT was endorsed (TP-040295)