TSG-T#22
Progress Report

Maui, Hawaii, USA

10-12 December 2003

TSG-T Chairman

Sang-Keun Park

(SAMSUNG Electronics, TTA)
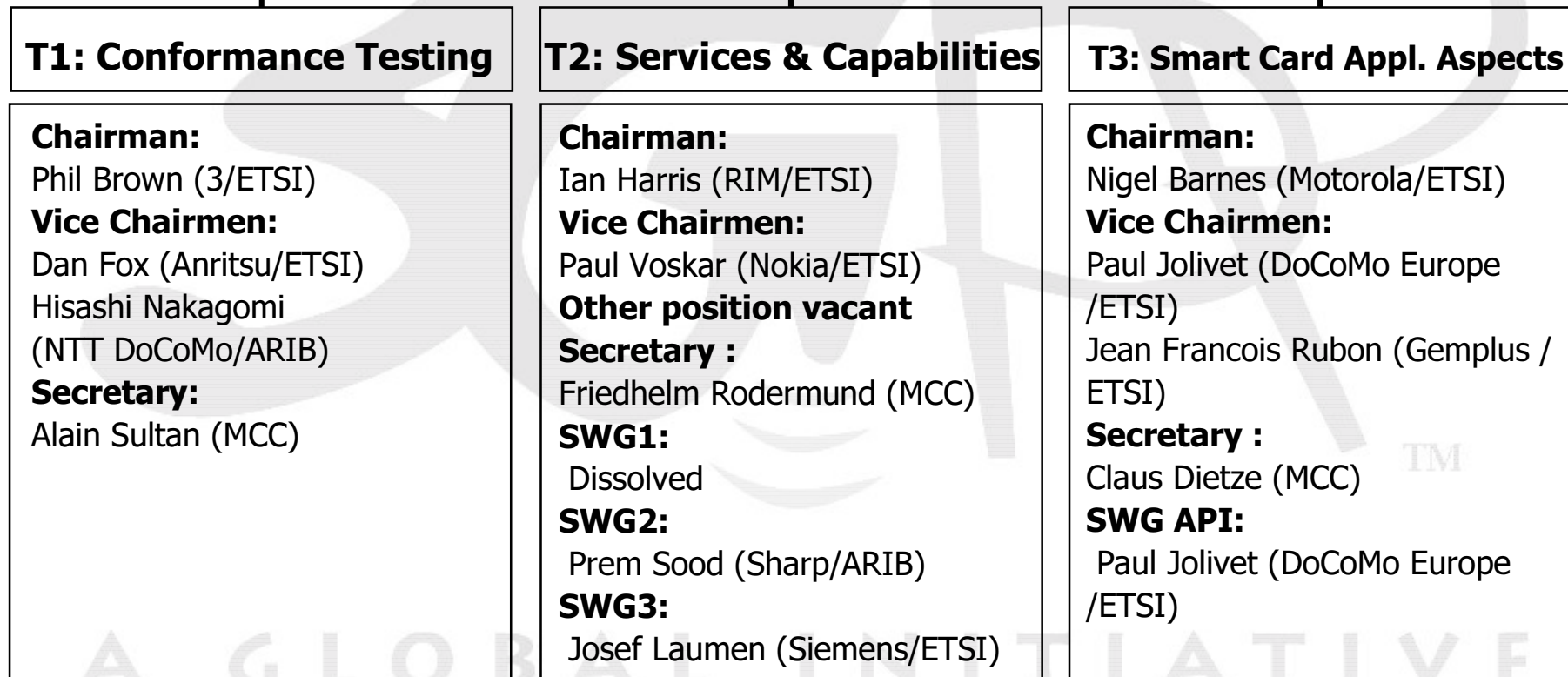
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Structure of TSG-T

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 (1/7)

- ## RF Test Status

  - ### RRM Progress
    - **TR 34.902: Derivation of test tolerances for multi-cell RRM conformance tests has been drafted for initial information**
    - **Addition of test tolerances in 6 more RRM test cases**
    - **The proportion of complete RRM tests is approximately 24 %**
    - **Completion within 9 months is necessary for subsequent validation/ approval by GCF before the end of 2004**

  - ### 800 MHz Testing
    - **CRs to TS 34.121 introduced testing to the 800MHz band**
    - **Rapid contributions made in time for approval in order to meet Japanese Regulatory conditions**

  - ### TS 34.122 Single Release
    - **Best method is to maintain a single release document based on REL-5 to cover R99, REL-4 & REL-5**
    - **Updated versions of the R99 & REL-4 docs contain pointers to the new (REL-5) single release specification**

  - ### Routine Maintenance (Follow up Database updated)

T1 Conformance Testing (2/7)

- **Status of RF Test Specifications**
  - **TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD)**
    - **31 CRs approved for REL-5 (V5.1.1 → V5.2.0)**
  - **TS 34.122 Terminal Conformance Specification, Radio Transmission and Reception (TDD)**
    - **11 CRs approved for R99 (V3.12.0 → V5.0.0), REL-4 (V4.9.0 → V5.0.0) and REL-5 (V5.0.0)**
  - **Status of completion**
    - **TS 34.121**
      - **Sect 5 (Tx) 100%**
      - **Sect 6 (Rx) 100%**
      - **Sect 7 (Performance) 98%**
      - **Sect 8 (RRM) 24%***
    - **TS 34.122**
      - **Sect 5 90%**
      - **Sect 6 90%**
      - **Sect 7 85%**
      - **Sect 8 nil***

T1 Conformance Testing (3/7)

- **Status of Signaling Test Specifications**
  - **TS 34.108 Common Test Conditions for User Equipment (UE) Conformance Testing**
    - **11 CRs approved for R99 (V3.13.0 $\rightarrow$ V3.14.0) and 20 CRs approved for REL-4 (V4.8.0 $\rightarrow$ V4.9.0)**

  - **TS 34.123-1 UE Conformance Specification, part 1-Conformance Statement**
    - **54 CRs approved for REL-5 (V5.5.0 $\rightarrow$ V5.6.0)**
    - **Corrections to prose test cases coming from issues found during the verification of the TTCN**
    - **Recommendation to GCF to re-consider 5 PLMN and inter-RAT cell selection/re-selection test cases from Batch 2 for calculation of completion purposes, as core specs not yet stable in CN**
    - **Internal review of necessary tests has led to removal and addition to this spec**

T1 Conformance Testing (4/7)

- **Status of Signaling Test Specifications**
  - **TS 34.123-2 UE Conformance Specification, part 2 – ICS Implementation Statement**
    - **11 CRs approved for REL-5 (V5.5.0 → V5.6.0)**
    - **Updated to reflect changes in TS 34.123 – 1**
  - **TS 34.123-3 UE Conformance Specification, part 3 – Abstract Test Suites (TTCN)**
    - **6 CRs approved for R99 (V3.3.0 → V3.4.0)**
    - **TTCN has now moved to March 03 baseline**
    - **83 P1 & 22 P2 test cases verified by T1 to March 03**
    - **Another 37 test cases have been submitted against the V3.4.0**
    - **Challenges of regression testing an expanding ATS with each release**
    - **Thorough review of the TTCN approval procedure (PRD T1-12) completed and includes a generic plan for regression testing in 2004**

T1 Conformance Testing (5/7)

- ## Report of TTCN Project Team (160) (TP-030278)
  - 4 TTCN deliveries on core specs baseline March 03
  - In order to increase the TTCN maintenance capabilities and change traceability, MCC task 160 installed
    - A chain of TTCN-2 tools for editing, analysing/compiling, merging and comparisons, Configuration management tool, A series of working procedures for TTCN configuration management, error handling /corrections and deliveries
  - PCG/OP granted 58 mm as total 3GPP funding for 2004
  - All 3GPP funding for 2004 will be allocated to FDD TTCN based on the T1 recommendations
  - Target is to complete all GCF high priority by late 2004
  - Call for experts
    - A TTCN expert for replacement (TP-030292)
    - A RCM expert (TP-030293)
  - FDD R99 TTCN Task Splitting for 2004
    - 4 updates/year, Focus on P3 + P4 tests, Another 6 mm for RCM coming from GCF
  - LCR TDD REL-4 TTCN
    - A T1 LCR TDD TTCN workshop will be organised at ETSI in the middle of Jan. 04
    - CCSA/TD-SCDMA Alliance will provide TTCN experts as voluntary contributions
    - ETSI plans to host 4 TTCN experts from CCSA
    - Another three-years project including development and necessary verification / approval process

T1 Conformance Testing (6/7)

- ## Other Issues in T1 (1)
  - ### New Work Item
    - Introduction of one WID to cover Conformance Testing A-GPS REL-6 Minimum Performance Requirements
  - ### HSDPA
    - Joint RF/Sig session held at T1#21 to trigger activity
    - Responding to questions from RAN1/RAN2 and adopting RAN proposed RB configurations as working assumption
  - ### Release and Configuration Manager (RCM) for MCC 160
    - MCC 160 would benefit from having a dedicated person to drive TTCN release and configuration management
    - The GCF offered to co-fund the post (up to the equivalent of 6 mm) against certain conditions. The remaining funding is to be found from the allocation of 58 mm already approved for MCC 160
    - The process of recruiting started on 12 December 2003
    - RCM will free up the TTCN staff to concentrate on bug fixing whilst at the same time ensuring greater coordination between contributors

T1 Conformance Testing (7/7)

- ## Other Issues in T1 (2)
  - ### Revision of PRDs to reflect verification optimisation effort
    - Harmonised Email Approval Procedure
    - TTCN Approval Procedure
  - ### The Way Ahead
    - Support to GCF for TTCN verified test cases
      - Deliver minimum 95% of package 1, 80% of package 2 & 40% of package 3 by mid March 04
    - Introduce Test Tolerance to at least 6 more of the outstanding RRM test cases
    - Five day workshop to be held at ETSI in early Jan 04 to develop the T1 strategy of incorporating TDD LCR into the current FDD programme with minimum impact
  - ### Areas of Concern in T1
    - Slow progress in completion of RRM test cases
    - Multi-tasking of T1 secretary
    - Misalignment of inter-RAT test cases between T1 and GERAN

T2 Services & Capabilities (1/3)

- **SWG1: MExE**
  - Dissolved

- **SWG2: UE Interfaces and Capabilities**
  - TS 23.241 GUP/XML Schema and Data Description Methods: 60% complete and presented for information
  - TS 24.241 Common Objects: 60% complete

- **SWG3: Messaging – SMS, EMS**
  - No contributions and no documents

- **SWG3: Messaging – CBS**
  - 2 CRs (1 REL-5, 1 REL-6) approved
    - CB data structure for UMTS

T2 Services & Capabilities (2/3)

- ## SWG3: Messaging – MMS (1)

  - 9 CRs for TS 23.140 (1 REL-5, 8 REL-6) approved
    - **REL-5**
      - Correction to references for ENUM and HLR
    - **REL-6**
      - General corrections and clarifications
      - MM1 : Conditional delivery mechanism
      - MM4 : Addressing enhancements
      - MM7 : stage 3 – corrections to Schema

  - **Two new WIDs**
    - **Multiple MMS Relay/Server architecture (TP-030301) Approved**
    - **Handling of private addressing schemes in MMS (TP-030299)**
      - Approved subject to the endorsement of the service requirements in SA
      - LS to SA cc SA1, T2 (SP-030746, TP-030310) approved

T2 Services & Capabilities (3/3)

- **SWG3: Messaging – MMS (2)**

  - **Joint meeting with T3**
    - **Half day unofficial meeting held during T2#23 to generally discuss matters of common interest to both WGs at a common T2/T3 plenary venue**
    - **Use of MMS as bearer for USAT, MM storage on USIM, MMS management by USAT, CBS in UMTS data formats**

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 (6 CRs)
    - TS 31.102 Characteristics of the USIM Application (37 CRs)
    - TS 31.103 Characteristics of the ISIM Application (1 CR)
    - TS 51.014 Specification of the SIM-ME interface for the SIM Application Toolkit (1 CR)
    - TS 11.14 Specification of the SIM-ME interface for the SIM Application Toolkit (1 CR)
    - TS 31.111 USIM Application toolkit (USAT) (3 CRs)
    - TR 31.900 REL-5 SIM/USIM internal and external interworking (1 CR)
    - TS 11.10-4 R99 Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification (6 CRs)
    - TS 31.122 USIM conformance test specification (1 CR)
    - TS 51.013 Test specification for the SIM API for Java Card (2 CRs)
    - TS 23.048 Rel-5 SIM toolkit secure messaging (stage 2) (1 CR)
    - TS 31.115 Rel-6: Secured packet structure for (U)SIM Toolkit applications (2 CRs)

T3 Smart Card Application Aspects (2/5)

- **New WID approved**
  - **USAT Conformance Test Specification (TP-030259)**
    - **The objective is to provide a testing specification to test USIM Application Toolkit implementation in terminals**

- **Organizational Issues in T3**

  - **Thanks were expressed to Claus Dietze**
    - **T3#29 was the last meeting of Claus Dietze (MCC) as secretary**
    - **From January 2004 T3 will be supported by Andrijana Jurisic**

  - **T3 SWG API continuation**
    - **T3#29 concluded to continue with T3 SWG API at least until the closure of Rel-6**

T3 Smart Card Application Aspects (3/5)

- **Other issues and information in T3**

  - **MMS**
    - **2 Ad hoc meetings were held and further progress was made**
    - **All MMS related issues discussed with some T2 delegates in T3#29**
      - **MMS storage, MMS as a high bandwidth data channel, USAT support**

  - **Voice Group Call Service (VGCS)**
    - **SA3 work on this feature potentially has some impact on T3 and could lead to the introduction of new files/procedures on the USIM**

  - **USSD**
    - **Asked by SA1 to create CRs to the respective specifications in order to reflect the requirement to allow USSD message transfer of the SIM/USIM**
    - **Various aspects in SAT/USAT might be affected**
    - **Further action will be taken at the next T3 meeting**

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T3 Smart Card Application Aspects (4/5)

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

  - ### ISIM harmonization
    - 3GPP2 TSG-C informed T3 that they are working on the implementation of IMS/MMD for the R-UIM and that they want to base their work on the ISIM specification in TS 31.103
    - LS to 3GPP2 TSG-C in order to inform them of the status of the ISIM
    - 3GPP2 additionally proposed a CR to TS 31.103 that would allow them to utilize this specification
    - LS to CN1 and SA2 asking them if the file would also be valuable for 3GPP

  - ### USIM usage for MBMS security
    - Concluded to call for an Ad Hoc meeting to progress the work

  - ### Turnaround Guardtime
    - Extensively discussed in T3 and a compromise was reached
    - A CR was agreed that adds a note to TS 31.102 and TS 31.103 for pre-Release 6

T3 Smart Card Application Aspects (5/5)

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

  - ### Interface speed enhancement
    - A compromise was proposed to introduce D=32 mandatory for the card and D=64 mandatory for the terminal
    - Concluded to leave it up to EP SCP to clarify the behaviour and to introduce a recommendation on the terminal implementation in case the ATR is not recognized by the terminal

  - ### WLAN Interworking (2 different proposals discussed)
    - To realize the interworking by defining a separate application on the UICC
    - To add a separate DF under the ADF USIM

  - ### MMS as a Bearer for USAT
    - TSG-T is coordinating this topic and had discussions at TSG-T#22
    - TSG-T endorsed the view of T3 regarding the preference from T3 for using the Bearer Independent Protocol (BIP) as the high bandwidth bearer for communication between the USAT and the appropriate network element (LS in SP-030745, TP-030297)

Other Issues in T (1/2)

- **Review & Comments for a "Candidates 3GPP specifications for inclusion in Art 17 list of standards" from ETSI ECN&S STF254 (TP-030294)**

- **Review & Comments for a "Proposal for improving accuracy of work planning" from MCC (TP-030302)**

Other Issues in T (2/2)

- ## 3GPP/OMA Cooperation
  - **Review of 3GPP/3GPP2/OMA workshop (7th November, London)**
  - **Long discussion on "Transfer of MMS into OMA" and 4 proposals were developed and agreed**
    - **Post REL-6 technical discussion on MMS 23.140 should be moved to OMA now**
    - **PCG should be invited to consider IPR and copyright issues**
    - **Discussion on technical maintenance of 23.140 REL-6 and earlier should be moved to OMA on completion of REL-6**
    - **Further consideration is needed concerning transfer of ownership of 23.140 material, including splitting and rewriting specifications**
  - **T2 is invited to have a debate and create proposal on its future architecture and T3 will make a proposal on where to treat MMS smart card aspects in future**
  - **Review of "3GPP Dependencies on OMA Deliverables"**