TSG-T#19 Progress Report

Birmingham, UK

12-14 March 2003

TSG-T Chairman

Sang-Keun Park
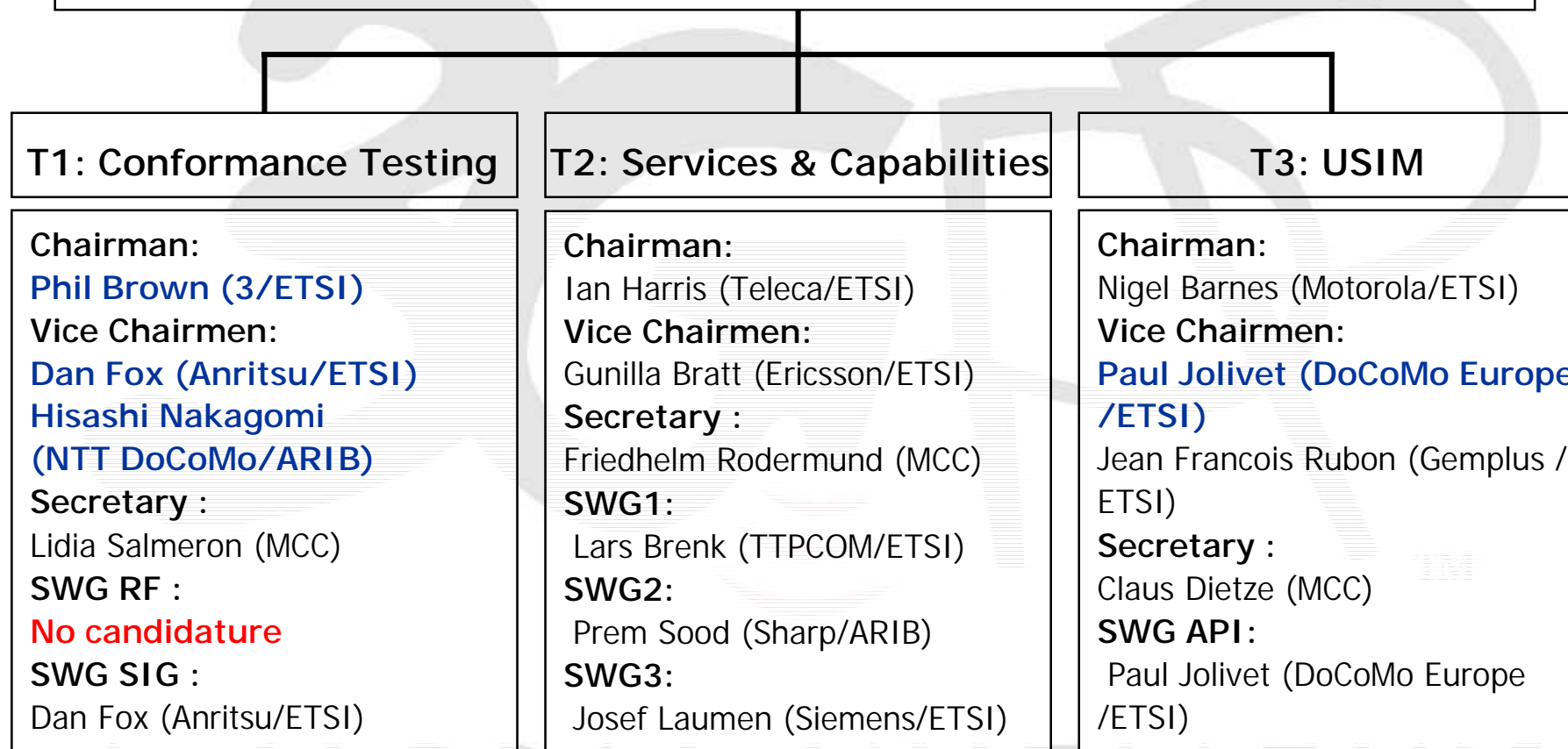
(SAMSUNG Electronics, TTA)

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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 :
Lidia Salmeron (MCC)
SWG RF :
No candidature
SWG SIG :
Dan Fox (Anritsu/ETSI)

T2: Services & Capabilities

Chairman:
Ian Harris (Teleca/ETSI)
Vice Chairmen:
Gunilla Bratt (Ericsson/ETSI)
Secretary :
Friedhelm Rodermund (MCC)
SWG1:
 Lars Brenk (TTPCOM/ETSI)
SWG2:
 Prem Sood (Sharp/ARIB)
SWG3:
 Josef Laumen (Siemens/ETSI)

T3: USIM

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)

- **RF Test Status**
  - Maintenance of R99 Specifications
    - Follow up database maintained
    - All core specification changes checked and updated
  - RRM Test Cases
    - Corrections and updates to existing Test Cases
    - Long discussion about test tolerances of RRM test cases
      - New guidelines for implementation test tolerances created
    - Analysis of power measurement accuracy still requires further study
    - 35 new test cases developed : 2 FDD, 14 TDD (R99), 5 LCR TDD (Rel4) & 14 Cat A HCR TDD (Rel 4)
  - Total Test Time
    - Drafting of TR34.901 v0.1.0 "Test Time Optimisation based on statistical approaches" near completion, version 3 expected by next plenary

T1 Conformance Testing (2)

- **Status of RF Test Specifications**
  - TS 34.121 Terminal Conformance Specification, Radio Transmission and Reception (FDD)
    - 8 CRs approved (V3.11.0 → V3.12.0)
  - TS 34.122 Terminal Conformance Specification, Radio Transmission and Reception (TDD)
    - 19 CRs approved for R99 (V3.10.0 → V3.11.0)
    - 24 CRs approved for REL-4 (V4.6.0 → V4.7.0)
  - Completeness of RRM Tests

Document	Test Spec.	Core Spec.
TS 34.121 R99	84% → 87%	100%
TS 34.122 R99	45% → 91% (*)	100%
TS 34.122 REL-4	40% → 60%	100%

    * Great achievement in TDD

T1 Conformance Testing (3)

- **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 Dec 02 Core specification, Introduction and removal of RAB combinations in line with RAN LSs, Resolution of RLC test RAB issues
    - 17 CRs approved for R99 (V3.10.0 → V3.11.0)
    - 18 CRs approved for REL-4 (V4.5.0 → V4.6.0)

  - TS 34.123-1 UE Conformance Specification, part 1- Conformance Statement
    - Updated in line with Dec 02 core specifications
    - Removal of redundant RRC reconfiguration and state transition test cases considered to have no coverage impact
    - Addition of test cases for security and PS NAS, Added test method and support DSCH testing, Inclusion of test cases for Intra-frequency Measurements TDD
    - 64 CRs approved for REL-5 (V5.2.0 → V5.3.0)

T1 Conformance Testing (4)

- ## Status of Signaling Test Specifications

    - TS 34.123-2 UE Conformance Specification, part 2 – ICS Implementation Statement
        - 7 CRs approved for REL-5 (V5.2.0 → V5.3.0)
        - Updated to reflect changes in TS 34.123 – 1

    - TS 34.123-3 UE Conformance Specification, part 3 – Abstract Test Suites (TTCN)
        - 15 CRs approved for R99 (V3.0.0 → V3.1.0)
        - 13 more TTCN test cases now verified by T1 to Mar 02 baseline.
        - 80% of 104 P1 test cases are expected to be verified by T#20
            - smooth transition to later version of core specifications is in progress

T1 Conformance Testing (5)

- Report of TTCN Project Team (160) (TP-030042)
  - Goals in 2003
    - Ensure development of P1,P2 and P3 for GCF
    - Update to more recent baselines of the core specifications
    - Development of new test cases
    - Deliver 4 TTCN versions (V310 – V340)
    - Secure TTCN funding for 2004
  - Summary of GSMA & GCF TTCN funding in 2002
  - 3GPP funding 58 mm for 2003
  - TTCN V1.43 delivered (baseline : March 02, only for P1)
  - TTCN V1.60 delivered (baseline : Sept 02, for P1 & P2)
  - TTCN verification is well going on
    - 16 P1 TC in total approved at T1
    - P2 verification started
    - 80 P1 TC and 25 P2 TC executed in manufacturer labs
    - More than 60 P1 TC in the verification pipes
  - No more maintenance of anonymous error report database

T1 Conformance Testing (6)

- ## Other Issues in T1

    - Result of T1 elections
        - T1 Chair : Phil Brown (3/ETSI)
        - T1 Vice Chairs : Dan Fox (Anritsu/ETSI), Hisashi Nakagomi (NTT DoCoMo/ARIB)

    - Thanks to outgoing T1 leadership during last 4 years
        - T1 Chair : Bjarke Nielsen (Qualcomm Europe/ETSI)
        - T1 Vice chair : Peter Jeorge (Anritsu/ETSI)
        - Secretary: Lidia Salmeron (MCC)

T1 Conformance Testing (7)

- **Other Issues in T1 (cont'd)**

    - Work Item Updated (including two new WIs)

    - Review of T1 structure
        - Caused by no candidature for T1 RF SWG Chair
        - 4 Options identified for new T1 structure
        - One Meeting Option (OMO) most popular – Eliminating need for T1 SWG Chairs & Vice Chairs

    - The way ahead in T1
        - More active liaison with RAN4 to resolve RRM related issues
        - Maintain close liaison with GCF to increase throughput of verified test cases to the industry
        - Establish working relationship with OMA IOP WG

T2 Services & Capabilities (1)

- **MExE**

    - Some small improvements to MExE Stage 2 expected, but no input document to TSG-T#19

    - MExE WIs are closed now
        - RTIF Feasibility Study
        - MExE Rel-6 Improvements and Investigations

    - SWG1 is in sleeping mode but not dissolved yet because of the responsibility on maintenance work. A date for dissolving SWG1 has not been set by T2.

T2 Services & Capabilities (2)

- **UE Interfaces and Capabilities**

    - 15 CRs approved, all related to AT command
        - AT+WS46, ATV0, AT +CGCLASS, AT +CGEQREQ
        - CRs on +CGCLASS and +WS46 were revised during TSG-T #19

    - Generic User Profile
        - Proposed structure of TS 23.241 GUP Stage 2 Data description framework agreed
        - Specs expected by September for information
        - GUP Coordination Progress Report to SA2

    - User Equipment Management
        - No progress due to insufficient support in T2
        - OMA works on the Device Management Requirement Document and LS states the final draft will be available in mid-April
        - Discussion is needed/planned with SA5 on T2's role and responsibility for the ongoing work

T2 Services & Capabilities (3)

- **Messaging – MMS**

    - 17 CRs approved
        - Distribution indicator, conditional usage of the Message-ID and MMBox clarification on MM1, recipient handling and "bcc" support on MM4 , MMS parameters on the (U)SIM and MM7 version definition etc

    - MMS parameter storage on (U)SIM
        - A CR for Rel-4 approved on UA behavior
        - Encoding example is found in TS 31.102

    - Support of MMS Rel-6 WID items (TP-030063)
        - T2 sought to investigate potential support for each item on the WID
        - T2 was asked by TSG-T to define a more realistic scope for Rel-6 WID at TSG-T#20

T2 Services & Capabilities (4)

- **Messaging – MMS (cont'd)**
  - Harmonization between 3GPP and 3GPP2 (LS in TP-030008)
    - T2 wants to investigate if there are potential interoperability problems, but no requirement and WI in T2 yet
    - T's guidance to T2 in T#18 was to use existing mechanism of cooperation e.g. to attend each other's meeting by interested delegates

- **Messaging – SMS / EMS**
  - **NONE**

- **Messaging – CBS**
  - 3CRs approved on a possible difference in message length and format between GSM and UMTS implementation

T3 USIM (1)

- **Status of Specifications**
  - General enhancements and updates on
    - TS 11.11 and 51.011 SIM-ME Interface (2 CR)
    - TS 31.102 Characteristics of USIM application (7 CR)
    - TS 31.103 Characteristics of ISIM application (2 CR)
    - TS 11.14/TS 51.014 Specification of the SIM-ME interface for the SIM Application Toolkit (3 CR)
    - TS 31.111 USIM Application Toolkit (USAT) (12 CR)
    - TS 43.019 (U)SIM API – Java Card^{TM} (1 CR)
    - TS 31.131 'C'-language binding to (U)SIM API (1 CR)
    - TR 31.900 SIM/USIM internal and external inter-working (1 CR)
    - TS 23.048 Security Mechanisms for the (U)SIM application toolkit; Stage 2 (5 CR)
    - TS 31.116 Remote APDU Structure for (U)SIM Toolkit applications (Rel-6) (1 CR)
    - TS 11.13 Test specification for the SIM API for Java Card™ (2 CR)
    - TS 31.113 USAT interpreter; stage 3; Byte Codes (2 CR)
    - TS 31.114 USAT interpreter; Protocol administration (1 CR)
    - TS 31.121 UICC-Terminal Interface; Application Test specification (4 CR)
    - TS 31.122 USIM conformance test specification (1 CR)
    - TS 11.17 SIM conformance test specification (R99) (1 CR)

T3 USIM (2)

- **Status of Specifications (cont'd)**
  - TS 51.013 Test specification for the SIM API for Java Card™
    - Newly created by CR
  - TS 34.131 v6.0.0 Rel-6: "Test Specification for 'C'-language binding to (U)SIM API"
    - Newly approved specification
    - Covers the minimum characteristics considered necessary in order to provide compliance to 3GPP TS 31.131 "'C'-language binding to (U)SIM API".

- **Approved WID**
  - WID to create a Technical Report on: 2G/3G Java Card™ API based applet inter-working (TP-030031)
    - Clarifies the behaviour and limitations of the TS 43.019 APIs used in 3G mode
    - Dealing with API inter-working

T3 USIM (3)

- **Other issues and information in T3**
  - Paul Jolivet (DoCoMo Europe/ETSI) was re-elected as Vice-Chairman
  - Discussion of IMS access utilizing the SIM
    - T3 emphasizes that there is no Rel-5 SIM. This means that IMS access utilizing the SIM has to be based on the fields and functions already specified for the SIM.
  - T3 decided to keep the Universal PIN feature mandatory for backwards compatibility reasons.
  - No mechanism for Cell Broadcast toolkit messages is standardised for Rel-5 and earlier, and the current specifications for Cell Broadcast in UTRAN are not complete.
  - A potential issue with multiple EF_ARR under ADF_USIM.
    - More than one EF_ARR are supported by the UICC as defined in ETSI TS 102 221 -> No further action on this issue
  - Handling of toolkit originated emergency calls -> LS to SA1

Other Issues

- **Election of TSG-T Chairman and Vice-Chairmen**
  - T Chair : Sang-Keun Park (Samsung/TTA)
  - T Vice Chairs :
    Ed Ehrlich (Nokia/T1), Kevin Holley (mmO2/ETSI)
- **Long discussions on "Improving Cooperation between 3GPP and OMA" and T's future role**
  - No unanimous support for having a joint leadership meeting
  - Role of T2 with respect to overlapping work areas with OMA
  - T2 is requested to define its Release 6 work in MMS in more detail, and T2's work scope and dependencies with other fora will be discussed at the next T meeting
- **Discussion on IPv6 utilization within IMS**
- **Upcoming elections in TSG-T2#21**
  - Elections for the positions of Chairman and two vice Chairmen 12th ~ 16th May 2003 (San Diego, USA)