

# ***TSG-T***

# ***Progress Report***

***TSG-T Chairman***  
***Sang-Keun Park***  
***(SAMSUNG Electronics, TTA)***

# Contents



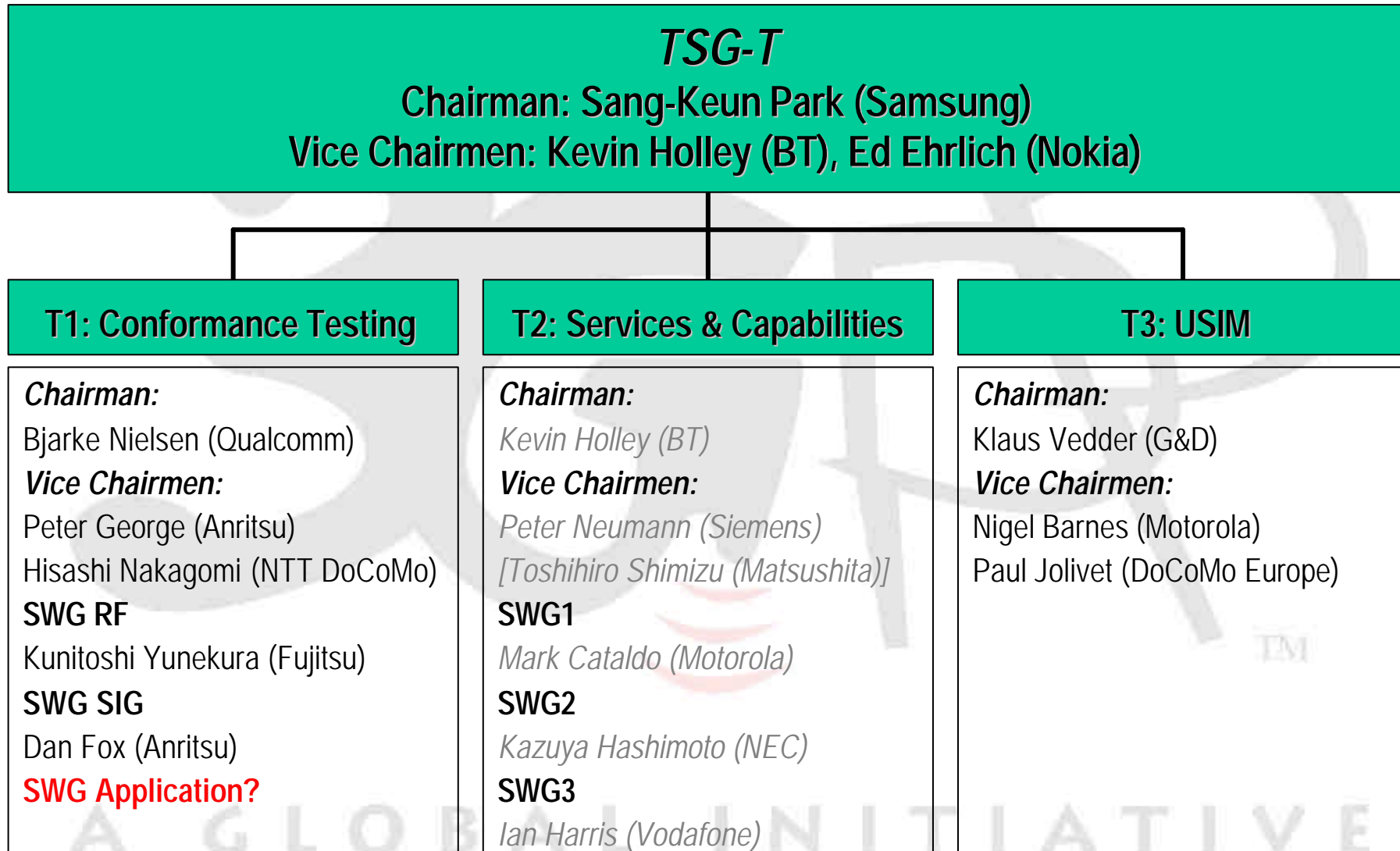
- *TSG-T Election Results*
- *Structure of TSG-T*
- *Progress Report & Issues*
  - *T1: Conformance Testing*
  - *T2: Services and Capabilities*
  - *T3: USIM*
  - *EP SCP Activities for Info.*

A GLOBAL INITIATIVE

# ***TSG-T Election Results***

- ***Election results & schedule***
  - TSG-T
    - Dr. Sang-Keun Park was elected as chairman by acclamation
    - Mr. Ed Ehrlich & Mr. Kevin Holley were elected as vice Chairmen
  - T1
    - Mr. Bjarke Nielsen was elected as chairman by acclamation
    - Mr. Peter George & Mr. Hisashi Nakagomi were elected as vice chairmen by acclamation
  - T2
    - Elections will be held at the next meeting (May 14 -18)
      - One candidature for chairmanship so far: Dr. Peter Neumann (Siemens)
  - T3
    - Dr. Klaus Vedder was elected as chairmen by acclamation
    - Mr. Nigel Barnes & Mr. Paul Jolivet were elected as vice chairmen by acclamation

# Structure of TSG-T



# T1 Conformance Testing (1)



- *TS 34.121 & TS 34.122 "Terminal Conformance Specification, Radio Transmission and Reception " (FDD & TDD)*
  - Issues:
    - Test Tolerance issue has been resolved for Japanese and European regulatory items and related CRs were approved
    - No contributions made to RRM section. Will have to wait until core specifications are stabilized

A GLOBAL INITIATIVE

# T1 Conformance Testing (2)



- *TS 34.123-1 "UE Conformance Specification, Part 1 – Conformance specification"*

*Current contents of TSG-T1 release '99 signaling part (In 3G FDD environment)*

	DEC	Now
Idle mode functions	100%	100%
Voice call functions (incl. emergency call)	98%	98%
Circuit switched data (up to 64 kb/s) + Fax	100%	100%
Auto-calling (restrictions)	100%	100%
SMS (PP & CB)	100%	100%
GSM/3G Handover support (CS)	100%	100%
Packet data	90%	90%

**All efforts have gone into maintenance of existing prose test cases.**

**Of special concern is RRM, resource-wise and maintenance-wise.**

# T1 Conformance Testing (3)

- *TS 34.123-3 "User Equipment (UE) Conformance Specification – Part3 (ATS)"*
  - Version 1 was presented for information (TP-010023)
  - TS 34.123-3 (version 2) will **NOT** be presented **for approval before T1 gets feedback on stability from industry** - target September 2001

# T1 Conformance Testing (4)

## Task 160 (TP-010017) - Resource / funding schedule (initial estimate)

- 2001: Reallocation of 2002 funding (26 mm - funded) – **Reallocation request**
  - TTCN maintenance (8 mm)
  - Multi-cell tests (18 mm)
- 2002+ 2003: TTCN R99 - 44 mm - not funded yet! - **New Funding!**
  - Maintenance of existing test cases (18 mm, 9 for each year)
  - 2002: TDD mode test (26 mm)
- 2002: REL-4 – 29 mm - not funded yet! - **New Funding!**
  - Voice over IP (normal call + emergency) (15 mm), UMTS 1800 (3 mm)
  - High speed PS (5 mm)
  - Enhancement of radio bearer, TDD & intersystem HO (6 mm)
- 2003: REL-5 – 37 mm - not funded yet! - **New Funding!**
  - Low chip rate TDD (34 mm), L2 ARQ II/III (3 mm)

*There is not enough information in the work packages to make a better estimation on the funding needed. These are the best case figures - experience shows 1.5x is needed in reality. PCG is invited to add margin. TSG-T will present this request to OP/PCG.*



# T1 Conformance Testing (5)



- *REL-4 / REL-5 issues*
  - TR 34.910 “Identification of Test requirements for regulatory purposes in different regions/countries” will be presented as version 2 on September 2001
  - T1’s REL-4 Work Item Descriptions & Work Plans were presented (TP-010024)
    - T1 has now defined the majority of the REL-4 and some REL-5 work items
    - **T1 urgently needs additional companies to support identified WIs for REL-4 & 5** to get all the WIs approved. Relevant companies are invited to check TP-010024
      - especially companies supporting WIs for core specifications and not yet the relevant test specifications.

A GLOBAL INITIATIVE

# ***T1 Conformance Testing (6)***



- *Relationship to external groups*
  - T1 plans to monitor activities in GCF
    - If GCF in the future intends to define/classify requirements for 3G, T1 will be happy to provide the actual test cases.
    - T1 also welcomes inputs from GCF and other relevant groups on implementation priority of Test Cases.

A GLOBAL INITIATIVE

# T2 Services & Capabilities (1)



- *MExE Enhancements*

- REL-4 Completed
- Two WIDs were approved for REL-5
  - WID “MExE Security Analysis Activities”(TP-010032)
  - WID “MExE REL-5 Improvements and Investigation”(TP-010071)

- *MMS*

- REL-4 Completed
- Further MMS enhancements planned for REL-5 (WID is planned for TSG#12)

A GLOBAL INITIATIVE

# T2 Services & Capabilities (2)



- **Terminal Interfaces REL-4**
  - AT Commands enhancements
    - Specification of AT commands for new services
      - Work item closed
      - Goal not completely reached
    - Alternatives to AT commands
      - No inputs ✍ Work item deleted
  - Synchronisation
    - vObjects and Other Constructs for Use in Data Synchronization
      - Work item moved to REL-5
    - Sync ML replaces IRMC Sync from REL-4
  - Terminal Local Model
    - TS 23.227 "Application and User Interaction in the UE" approved (TP-010030)

# ***T2 Services & Capabilities (3)***



- ***Other Issues***
  - Ongoing discussions on Enhanced SMS
  - Revised ToR of T2 approved (TP-010033)
  - Elections will be held at next meeting (May)

A GLOBAL INITIATIVE

# ***T3 USIM (1)***

- ***Approved Specifications***
  - TS 11.13 “Test specification for the SIM API” (TP-010041)
  - TS 22.112 “SIM Toolkit Interpreter - stage 1” (TP-010042)
- ***Transfer of Specifications to EP SCP***
  - TS 31.110 *Application Identifiers*
    - This shall be merged with TS 101 220, the general AID specification of EP SCP
  - TS 31.120 *UICC-terminal interface; Physical and logical tests*
    - The core specification TS 102 221 “*UICC-Terminal interface; Physical and logical characteristics*” (former TS 31.101) is “owned” by EP SCP

# ***T3 USIM (2)***

- ***Presented for information***
  - **TS 31.112 *USAT Interpreter stage 2*** (TP-010043)
    - Overall architecture for USAT interpreter system
    - Approval will be deferred to REL-5
  - **TS 31.113 *USAT Interpreter - Byte Codes*** (TP-010044)
    - Specifies byte code recognised by interpreter for efficient access
    - Approval will be deferred to REL-5
  - **TR 31.900 *SIM/USIM interworking*** (TP-010045)
    - Report based only on Release 99 specifications

# ***T3 USIM (3)***

- ***No progress on UICC database work item***
  - TSG-T #11 agreed to delete the WI
- ***Work item "USAT local link"***
  - To allow SIM toolkit applications to use a bluetooth link
  - Could be enhanced with further bearers in future releases
  - CRs to 31.111 were approved & WI completed
- ***Work item "CPHS features"***
  - Standardises the previously proprietary CPHS features
  - CRs to 31.102 were approved & WI completed with one potential feature postponed to REL-5 (TP-010006)
- ***WI Feasibility Study on UICC/terminal interface speed enhancement***
  - TSG-T #11 agreed to close the WI so that EP SCP can continue work on this topic



# T3 USIM (4)

- **Mandatory SIM/USIM support by REL-4 GSM only terminals**
  - T3 has found no technical problems with this requirement
- **Request for REL-4 versions of TS 11.11 and 11.14 (TP-010073)**
  - Some REL-4 features in SIM specification requested
  - TSG-T #11 agreed that:
    - **No Release 4 version of TS 11.14 (SIM Application Toolkit)**
      - Incorporate a Delta Specification into R99 of TS 31.111 & Withdraw R99 of TS 11.14
    - **Create a Release 4 version of TS 11.11**
      - Thus allowing R99 GSM only MEs with *selected* advanced features of REL-4
      - TSG-T can see no need for a Release 5 version of TS 11.11.
      - Create a “GSM application requirement” specification TS 11.11r(educated)™
        - » remove from TS 11.11 all parts covered by the platform specification (TS 102 221)
        - » resulting specification would be the GSM equivalent of TS 31.102 (USIM applic.) also preserving differences of the physical interface
      - If technically feasible, TS 11.11r replaces TS 11.11 for REL-4 in TS 51.011

# ***EP SCP Activities for info.***

Meeting hosted by ORGA Kartensysteme in Berlin, 17-19 Jan. 2001

- TS 102 220 Application Identifiers
  - Assignment of 4 TAR values to cater for EMV applications agreed in principle (Europay, Mastercard, Visa)
- TS 102 221 Terminal - UICC interface (formerly TS 31.101)
  - Several corrections to R99 (now 3.2.0) and Rel-4 (now 4.1.0)
  - Discussion on chip internal clocks (potential EMC issues) - no decision
- Feasibility study on generic API and secure messaging specification
- Joon Ryu (Samsung) was elected as a second vice-chairman
- Next meeting: Indian Wells, 20 - 23 March 2001