TSG-T#16
Progress Report

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:
Bjarke Nielsen (Qualcomm/ETSI)
Vice Chairmen:
Peter George (Anritsu/ETSI)
Hisashi Nakagomi (NTT DoCoMo /ARIB)
Secretary : Lidia Salmeron(MCC)
SWG RF :
Kunitoshi Yonekura (Fujitsu/ARIB)
SWG SIG : Dan Fox (Anritsu/ETSI)

T2: Services & Capabilities

Chairman:
Ian Harris (Teleca/ETSI)
Vice Chairmen:
Gunilla Bratt (Ericsson/ETSI)
Peter Neumann (Siemens/ETSI)
Secretary :
Friedhelm Rodermund (MCC)

SWG1 Lars Brenk (TTPCOM/ETSI)
SWG2 Prem Sood (Sharp/ARIB)
SWG3 Josef Laumen (Siemens/ETSI)

T3: USIM

Chairman:
Klaus Vedder (G&D/ETSI)
Vice Chairmen:
Nigel Barnes (Motorola/ETSI)
Paul Jolivet (DoCoMo Europe /ETSI)
Secretary : Claus Dietze (MCC)

T1 Conformance Testing (1)

- **Revised T1 Work Plan was approved (TP-020137)**
  - **General updates and defined a new WI "Testing of Extended RoHC (REL-4)"**

- **RF Test Specifications**
  - **Maintenance of R99 on going**
  - **RF tests for Low chip rate TDD completed**
  - **Total Tests Time optimization on going**
    - **Limited number of contributions**
  - **UMTS 1800 / 1900 is completed**
  - **RRM Test : more progress made**
    - **FDD: Estimated coverage 75% (36 TCs/48 TCs)**
    - **TDD: Estimated coverage 65.2% (15 TCs/23 TCs)**

T1 Conformance Testing (2)

- **Estimated Completeness R99 of RF Test Specs.**

FDD	TS 34.121	Core specs
Transmitter	100%	100%
Receiver	100%	100%
Performance	100 %	100%
Support of RRM	75% (17 new TCs)	98%
Annex	100%	

TDD	TS 34.122	Core specs
Transmitter	100%	100%
Receiver	95% - 100%	100%
Performance	100%	90%
Support of RRM	65% (11 New TCs)	82%
Annex	90% - 100%	

T1 Conformance Testing (3)

- **Signaling Test Specifications**
  - **A large number of CRs to common specification areas requires face to face time for authors to resolve merge problems.**
  - **Most of the CRs to update package1 (high priority) test cases to 2002-03 and to correct errors according to feedback.**
  - **Some CRs to increase coverage**
  - **UMTS 1800 / 1900 is completed**
  - **34.123-1 (& -2) are in REL-5 status**
    - **Introduction of a REL-5 CR resulted in upgrading of 34.123-1 (& -2) to REL-5 following a strategy decision approved previously by TSG-T**

T1 Conformance Testing (4)

- **Overall status:**
  - **The overall status is thought to be quite good. 3GPP test cases test the conformance of fully functional protocols and timing of the availability of at least the first package of those test cases seems to be appropriate.**
  - **Biggest task is to update the both prose and TTCN to new versions of the core specifications. This task is difficult to estimate and brings risk to both the TTCN budget and to the planned increase of coverage of the prose test cases.**
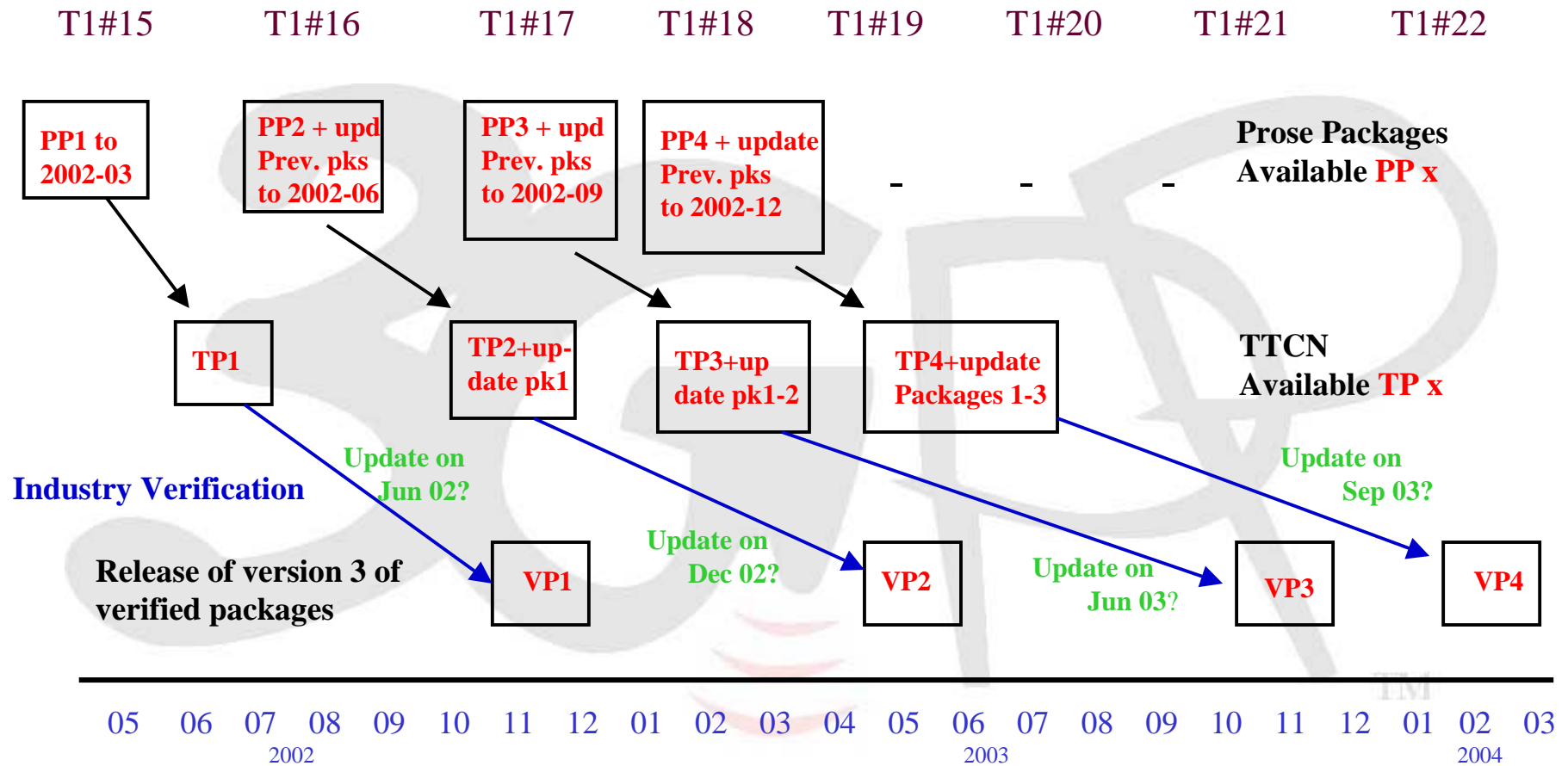
T1 Conformance Testing (5)

- **Current status:**
  - **More than 700 test cases have been defined in prose, more than 600 implemented in TTCN and more than 500 test cases are ready for industry verification (not all to the latest version of the core specifications).**
  - **The prose for package 1 (100 test cases updated to 2002-03) is finished and the updating CRs were approved.**
  - **The 2002-03 ASN.1 has been implemented by the project team 160. The TTCN descriptions (2002-03) of the package1 test cases should be finished in 5 weeks.**
  - **Verification of the package 1 test cases (to 2002-03) can thus start mid July. T1 should thus fulfill the timing requirements for the GSMA part-funding. Rest of the voluntary funding is still to be solved.**
  - **The Status report from the TTCN Project Team (160) (TP-020138) was approved.**

T1 Conformance Testing (6)

- **Strategy:**
  - **T1 will update the rest of the packages to the latest version of the core specifications as soon as possible.**
  - **With the current resources, T1 may only be able to update one additional package (+ previous packages) per T1 meeting**
  - **TSG-T will pro-actively seek additional resources for a timely prose updating**
  - **For the currently planned TTCN updates, the currently planned TTCN budget should be sufficient. Biggest budget risk is still the continuous updates of core specifications.**
  - **The estimation of the availability of verified TTCN test cases is very difficult, as the actual verification process is out of scope of 3GPP. Best estimation indicates that package 1 will be verified by November.**
  - **T still emphasizes the importance of that relevant companies use the 3GPP TTCN and feed back observations into the common anonymous ETSI database to help maturing the common set of TTCN test cases.**

T1 Conformance Testing (7)
Estimated Delivery schedule (PROPOSAL)

T1#15   T1#16   T1#17   T1#18   T1#19   T1#20   T1#21   T1#22

PP1 to 2002-03

PP2 + upd Prev. pks to 2002-06

PP3 + upd Prev. pks to 2002-09

PP4 + update Prev. pks to 2002-12

Prose Packages Available PP x

TP1

TP2+up-date pk1

TP3+up date pk1-2

TP4+update Packages 1-3

TTCN Available TP x

Industry Verification

Update on Jun 02?

Update on Sep 03?

Release of version 3 of verified packages

VP1

Update on Dec 02?

VP2

Update on Jun 03?

VP3

VP4

05 06 07 08 09 10 11 12 01 02 03 04 05 06 07 08 09 10 11 12 01 02 03

2002   2003   2004

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T2 Services & Capabilities (1)

- **MExE**
  - **MExE 23.057 CR approved to make the MExE specification more readable. Concern expressed by several mobile manufacturers that this does not necessarily make MExE easier to implement which was their earlier criticism.**
  - **Long debate on the criteria for accepting new classmarks and on the general future of MExE given that so far there are no MExE products on the market. Discussion to be continued.**
  - **WID matters**
    - **Security Analysis WID - Deleted**
    - **Decision on New WID "Binary Execution feasibility study" is postponed**

T2 Services & Capabilities (2)

- **UE Interfaces and Capabilities**
  - **Generic User Profile:**
    - **T2 GUP Ad Hoc group closed. Work on GUP is now carried out under SWG2 for those work items that SA1/SA2 assign to T2**
    - **Focus now on DDF-common objects work**
  - **TR 22.950 "Priority Service Feasibility study" reviewed and SA1 requested to keep T2 informed of any future aspects of this work affecting T2**
  - **User Equipment Management (UEM): TR 32.802 comments sent to SA5 for the final version**

T2 Services & Capabilities (3)

- **MMS**
  - MMS 23.140 REL-5 is completed
  - Including MM7 VASP reference point stage 3
  - Excellent job by T2's Messaging SWG
  - MMS REL-6 WID Initial draft produced
    - Refinement and prioritisation together with SA1 is necessary
  - Some companies identified open problems in MMS REL-5. To be discussed at the next T2.
  - MMS is another area where harmonisation with 3GPP2 might be required
    - It might not be possible for 3GPP specifications to be used by the 3GPP2 world without adaptations. This will make it difficult to send MMs from 3GPP to 3GPP2 terminals and vice versa.

T2 Services & Capabilities (4)

- **MMS (continued)**
  - Definition of MM message size in a CDR agreed as the number of octets of the entire MM

- **Messaging (SMS, EMS, CBS)**
  - EMS REL-5
    - Corrections and clarification on Vector Based Graphics
  - SMS
    - Type 0 Messages. A 'may' has been changed to 'shall' for REL-5 in the description of the ME's behaviour for receiving type 0 short messages .
    - TP-DCS for SIM Data download changed to allow 7 bit, 8 bit or 16 bit messages rather than just 8 bit.

T3 USIM (1)

- **One new WID "Test Specification for the SIM API for REL-5"**
  - **The current test specification TS 11.13 covers R98. The objective is to provide a REL-5 version of this test specification.
    The new document would be an evolution of TS 11.13/TS 51.013**
  - **The aim is to ensure interoperability as defined in TS 43.019 for Bytecode and Application Loading**
  - **Presentation for information/approval scheduled for TSG-T #20 / TSG-T #21**

T3 USIM (2)

- **New Specifications:**
  - **TS 31.103 Characteristics of the ISIM Application (REL-5) (TP-020124)**
  - **TS 31.115 Secured packet structure for (U)SIM Toolkit applications (REL-6) (TP-020126)**
  - **TS 31.116 Remote APDU Structure for (U)SIM Toolkit applications (REL-6) (TP-020127)**

- **Specification Withdrawals:**
  - **TS 51.011 SIM/ME interface: REL-5**
  - **TR 31.900 SIM/USIM interworking: R99 and REL-4 REL-5 includes all information**

- **Specification Upgrade to REL-5**
  - **TS 21.111: Yes; TS 31.110: No**

- **Approval of process of incorporating TS 11.14 into "reduced" TS 31.111 and subsequent withdrawal of "full scale" TS 31.111**

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T3 USIM (3)

- **Specifications for Information:**
  - **TS ab.cde SIM toolkit test specification (R99)**
    - **V1.0.0 presented for information**
    - **current version is part 4 of TS 51.010 and covers R96**
    - **ME manufacturers were requested to contribute**
  - **TS 31.111reduced USIM Application Toolkit (USAT) (based on CAT)**
    - **TSG-T #11 in Palm Springs agreed that TS 11.14 R99 should be incorporated into TS 31.111 R99 and then withdrawn**
    - **T3 suggests to base TS 31.111 on the EP SCP specification TS 102 223 Card Application Toolkit and then incorporate TS 11.141 into the reduced version - this was agreed by T**
    - **presented version is the first step: TS 31.111 reduced (for REL-4)**

T3 USIM (4)

- **Specifications for Information (continued)**
  - **TS 51.013 Test specification for SIM API for Java Card™ (REL-4)**
    - **V1.0.0 presented for information**
    - **Release 4 version of TS 11.13**
  - **TS 31.102 - SIM-USIM interworking**
    - **Addition of Connectivity parameters and automatic bearer selection specification of new data-field to cater for new SA1 requirements and to allow automatic bearer selection (REL-4)**

T3 USIM (5)

- **Other Issues**
  - **T3 and GSMA-SCaG had a joint session to improve the exchange of information and decided to exchange information on a regular basis**

  - **Data inconsistency if MMS is not supported by the ME for REL-4**
    - **LS to T2 copy to TSG-T in TP-020130**
    - **GSMA SCaG supports a "unified" solution to have it for REL-4 as expressed in an LS to T3, GSMA TWG, SERG, MSIG**
    - **T unanimously agreed to have MMS for Release 4 in T2 specifications and requested T2 to provide the necessary CRs at the next T plenary**

  - **Mandatory use of parameters for User agent if present in USIM**
    - **LS to T2 copy to TSG-T (TP-020133) as T2 CR is presented to T #16 T agreed that T2 should provide CR if necessary at the coming T plenary**

  - **The T3 chairman announced that he intends to step down at the coming T3 plenary meeting in Seattle**

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