TSG-T1
Conformance Test Specifications Status Report to T#16 in Florida

Bjarke Nielsen, Qualcomm CDMA Technologies
T1 Chairman

Document TP-020135

Latest Meeting

- **T1#15 was held in Lund, Sweden and was hosted by ERICSSON.**

- **52 delegates**

- **218 input documents**

- **171 CRs agreed**

The minutes can be found in TP-020136

Overview of presentation

- ## RF test status
    - General status of RRM test cases
    - Main RF test issues
    - Status of 34.121
    - Status of 34.122

- ## Signaling test status
    - Status of 34.123-1 Prose test cases
    - Status of 341.23-2 Applicability table
    - Status of 34.123-3 TTCN
    - Estimated Delivery schedule

- ## General test issues
    - Status of 34.108
    - Meeting schedule
    - Submitted documents

RF test status

- ## Main RF test issues:
  - *Maintenance of R99
    Follow-up database created*
  - *Total Tests Time optimisation
    Still evaluating – limited number of contributors!*
  - *UMTS 1800/1900: one CR*

- ## General status of RRM test cases

- ## Status of 34.121

- ## Status of 34.122

General status of RRM tests

The numbers below are provided to help estimating completeness of RRM tests in TS34.121 and TS34.122. Test case availabilities are compared between the latest version of core specifications and the new version of test specification.

Availability of test cases FDD RRM
- TS25.133 (core spec)   97.8 %   98%
- TS34.121 (test spec)   43.2 %   75%
17 new test cases introduced this time (36/48)

Availability of test cases TDD RRM
- TS25.123 (core spec)   81.8 %   88.5%
- TS34.122 (test spec)   22.2 %   65.2%
11 new test cases introduced this time (15/23)

Status of 34.121

Terminal Conformance Specification, Radio Transmission and Reception (FDD)

Estimated Completeness R99

Section	Completeness of TS34.121	Completeness of core specs
Transmitter	100%	100%
Receiver	100%	100%
Performance	100%	100%
Support of RRM	43%? 75%	98%? 98%
Annex	100%	

32 CRs for 34.121, presented in TP-020139 for approval.

Status of 34.122

Terminal Conformance Specification, Radio Transmission and Reception (TDD)

Estimated Completeness R99

Section	Completeness(34.122)	Completeness(core spec)
Transmitter	100%	100%
Receiver	100%	100%
Performance	100%	90%
Support of RRM	22% ? 65%	82% ? 88%
Annex	100%	

Low chip rate TDD for RF now completed.

8 rel'99 and 10 rel'4 CRs for 34.122, presented in TP-020140 for approval.

Document TP-020135

Signaling test status

- Status of 34.123-1 Prose test cases
- Status of 34.123-2 Application table
- Status of 34.123-3 TTCN
- Estimated Delivery Schedule

Status of 34.123-1

User Equipment (UE) Conformance Specification, Part 1 – Conformance specification

Contains a text description of the protocol test cases.

Main issues and CRs:
- A large number of CRs to common spec areas required face to face time for authors to resolve merge problems.
- Most of the CRs to update pk1 test cases to 2002-03 and to correct errors according to feedback.
- Some CRs to increase coverage
- Detailed table in T1-020401 (for information)
- 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

81 CRs are presented in TP-020142, TP-020143 and TP-02145 for approval!

WI on 'Testing of Extended RoHC' for approval in TP-020137.

Status of 34.123-2

User Equipment(UE) Conformance Specification, Part 2 – ICS Implementation Conformance Statement

Maps protocol test cases to the relevant UE capabilities.

CRs introduced to reflect changes in part 1

16 CRs to 34.123-2 presented in TP-020144 and TP-020146 for approval!

Status of 34.123-3

User Equipment (UE) Conformance Specification, Part 3 – Abstract test suites

TTCN test specifications for the test cases described in part 1.

Specific issues and status report discussed later!

616 TTCN test cases can be downloaded from the server (v1.3.0). 578 of them are verifiable (ASN.1 2002-03).

Estimated Delivery schedule (1/2)

Prose / TTCN

Current status:

The prose for package 1 (2002-03) is finished and the updating CRs were presented at this meeting. The 2002-03 ASN.1 has been implemented by the project team 160. The TTCN descriptions (2002-03) of the Pk1 test cases should be finished in 5 weeks.

Strategy:

At the latest meeting, TSG-T provided the clear guidelines that T1 should update the test specifications to the latest version of the core specifications at every meeting. The next page shows such time plan.
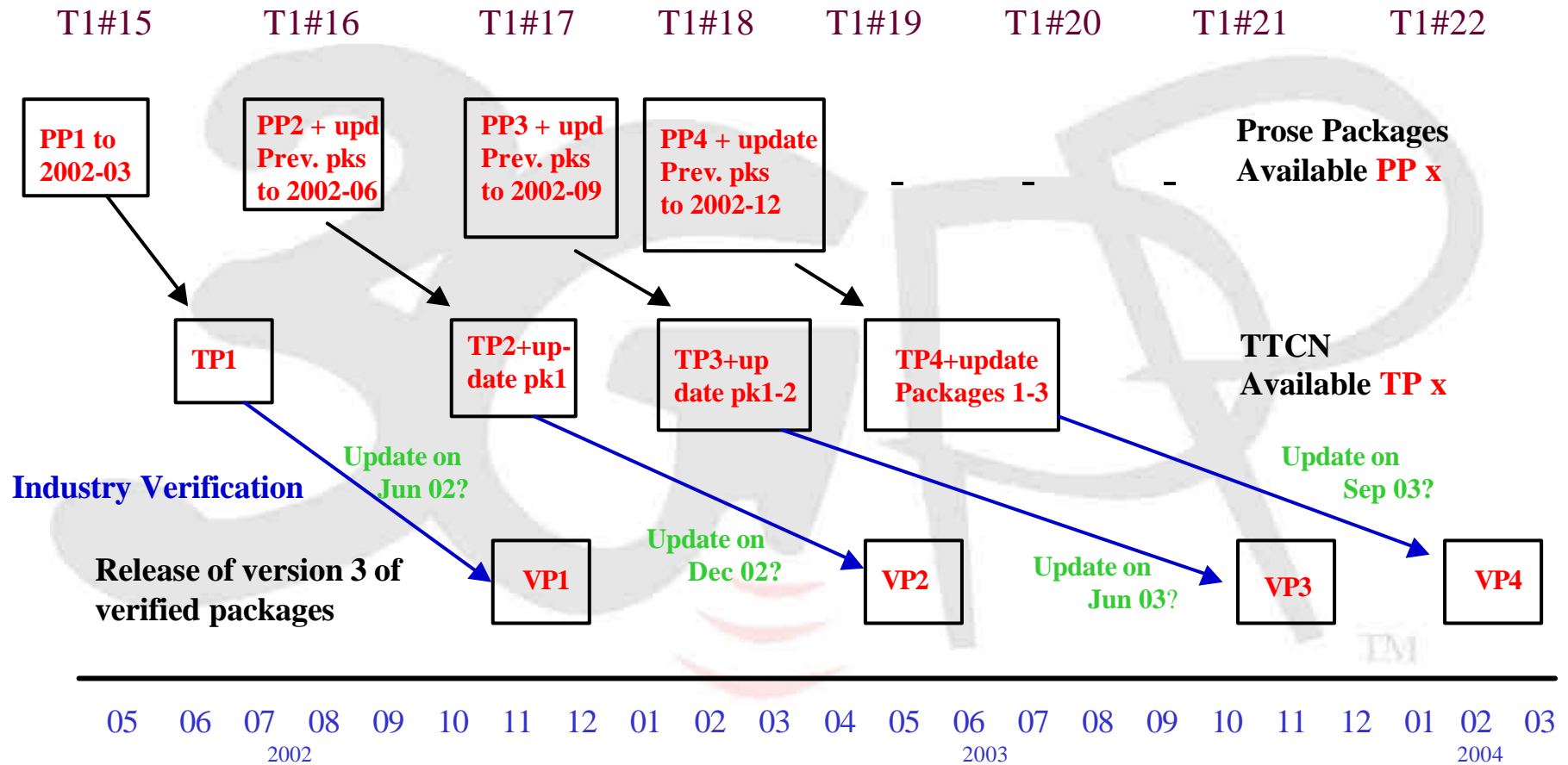
With the current resources, such a strategy seems not realistic. T1 will evaluate how to reach the targets requested by TSG-T.

The Status report from the TTCN Project Team (160) can be found in TP-020138 for Approval.

Estimated Delivery schedule (2/2)

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

Update on Dec 02?

Update on Jun 03?

VP1

VP2

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

June 5th, 2002

Document TP-020135

General test issues

- Status of 34.108
- Meeting schedule
- Submitted documents

Status of 34.108

Common test Conditions for User Equipment (UE) Conformance Testing

CRs approved concerning the following issues:

- Moving of RRC default message contents from 34-123-1 to 34.108, and updated to 2002-03

- System Information updated

- Introduction of WCDMA1800

- Update of test USIM

- Addition of new RABs

CRs to 34.108 presented in detail in TP-020141 for Approval.

TSG-T1 Meeting schedule for 2002

3GPPT1#16-/RF/SIG   29 July - 2 Aug   Japan, Anite/NTT Docomo

3GPPT1#17-/RF/SIG   4-8 Nov   UK, Anritsu

3GPPT1#18-/RF/SIG   end Feb-03   xxx

3GPPT1#19-/RF/SIG   mid May   xxx

3GPPT1#20-/RF/SIG   end Aug   xxx

3GPPT1#21-/RF/SIG   xxx   xxx

Input documents to TSG-T :

T1 Status report (this report)	TP-020135 Presentation
T1 minutes of T1 meeting#15	TP-020136 Information
T1 Work Items	TP-020137 Approval
Status of TTCN Project team(160)	TP-020138 Approval
CRs to 34.121	TP-020139 Approval
CRs to 34.122	TP-020140 Approval
CRs to 34.108	TP-020141 Approval
CRs to 34.123-1, Pack 1	TP-020142 Approval
CRs to 34.123-1, other Packs	TP-020143 Approval
CRs to 34.123-2	TP-020144 Approval
CRs to 34.123-1, Rel-5	TP-020145 Approval
CRs to 34.123-2, Rel-5	TP-020146 Approval
ETSI CL on call for voluntary contributions	TP-020147 Information