

# TSG-T1

## Conformance Test Specifications

### Status Report to T#14

12-14th December, 2001, Kyoto, Japan

Peter George, Anritsu Ltd  
T1 Vice Chairman

*Bjarke sends his apologies, he has another 'project' to attend*

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# Latest Meeting

- T1#13 was held in Cancun, Mexico and was hosted by:
  - “North American Friends of 3GPP”
- 41 delegates
- 166 input documents

The minutes can be found in [TP-010255](#)

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# Status of 34.121

## Terminal Conformance Specification, Radio Transmission and Reception (FDD)

*Estimated Completeness R99 version 3.6.0*

Section	TS34.121	Core specs
Transmitter	100%	100%
Receiver	95% -100%	100%
Performance	95%	100%
Support of RRM	20% - 30%	80% - 90%
Annex	100%	

Total of 16 CRs were presented, all corrections (cat F),

Details of CRs are contained in TP-010259 for Approval

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## Status of 34.121 (2)

### *RRM tests*

- SWGs /RF and /Sig co-operating to get test common procedures and parameters in place

### *Maintenance of R99 specifications*

- Procedure for Rx Spurious emissions test, defined.
- Corrections from core specification.
- Discussions in RAN4 may affect definition of Power

### *Total Test Time optimisation*

- Some valuable work completed on BER/BLER, now need to define target and produce overall estimates

# Status of 34.122

## Terminal Conformance Specification, Radio Transmission and Reception (TDD)

*Estimated Completeness R99 version 3.5.0 and version 4.1.0*

Section	TS34.122	Core specs
Transmitter	95%	100%
Receiver	95% - 100%	100%
Performance	95%	90%
Support of RRM	0%	80%
Annex	90% - 100%	

Total of 18 CRs were presented, 9 corrections (cat F/A), for each of the two document versions

Details of CRs are contained in TP-010260 for Approval

## Status of 34.122 (2)

### *LCR TDD*

- Number of contributors, very limited. No input documents received this time

### *RRM Test Cases*

- No progress at this stage but will be able to draw on FDD test cases when available

### *Total Test Time optimisation*

- Same issues as for FDD

# Status of 34.123 pt1-3 and 34.108

Spec	Version Status	Ongoing work
34.123-1	V4.0.0 → V4.1.0	Maintenance Increasing test coverage
34.123-2	V4.0,0 → V4.1.0	Maintenance
34.123-3	V1.0.6 → V1.1.0	See status report
34.108	V3.5.0 → V3.6.0	Completion of RF Environment Maintenance
	V4.0.0 → V4.1.0	Completion of LCR TDD Maintenance

# Status of 34.108

## Common test Conditions for User Equipment (UE) Conformance Testing

### *Issues:*

- New RABs have been requested. T1 realizes that a formal procedure for the evaluation and introduction of RABs for general test purposes is required. A further discussion will take place on this issue..

### *16 CRs were presented covering:*

- Changes to fix errors
- Introduction of RF conditions for signalling test cases
- Introduction of signalling for RF test cases
- Update of TDD content

Details of CRs are contained in TP-010258 for Approval.



# Status of 34.123-1

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

*17 CR were presented covering the following changes:*

- Changes fixing errors and generally improving the quality of test cases
- Introduction of new test cases, improving test coverage
- Introduction of combined RLC, PDCP test Radio Bearer
- Update of TDD content

Details of CRs are contained in TP-010261 for Approval

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# Status of 34.123-2

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

*10 CRs were presented covering the following changes:*

- Indicate release to which a test case applies - R99 or R4.
- Introduction of new test cases improving test coverage
- Improved TDD coverage
- Introduction of LCR TDD

Details of CRs are contained in TP-010262 for Approval

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# Status of 34.123-3

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

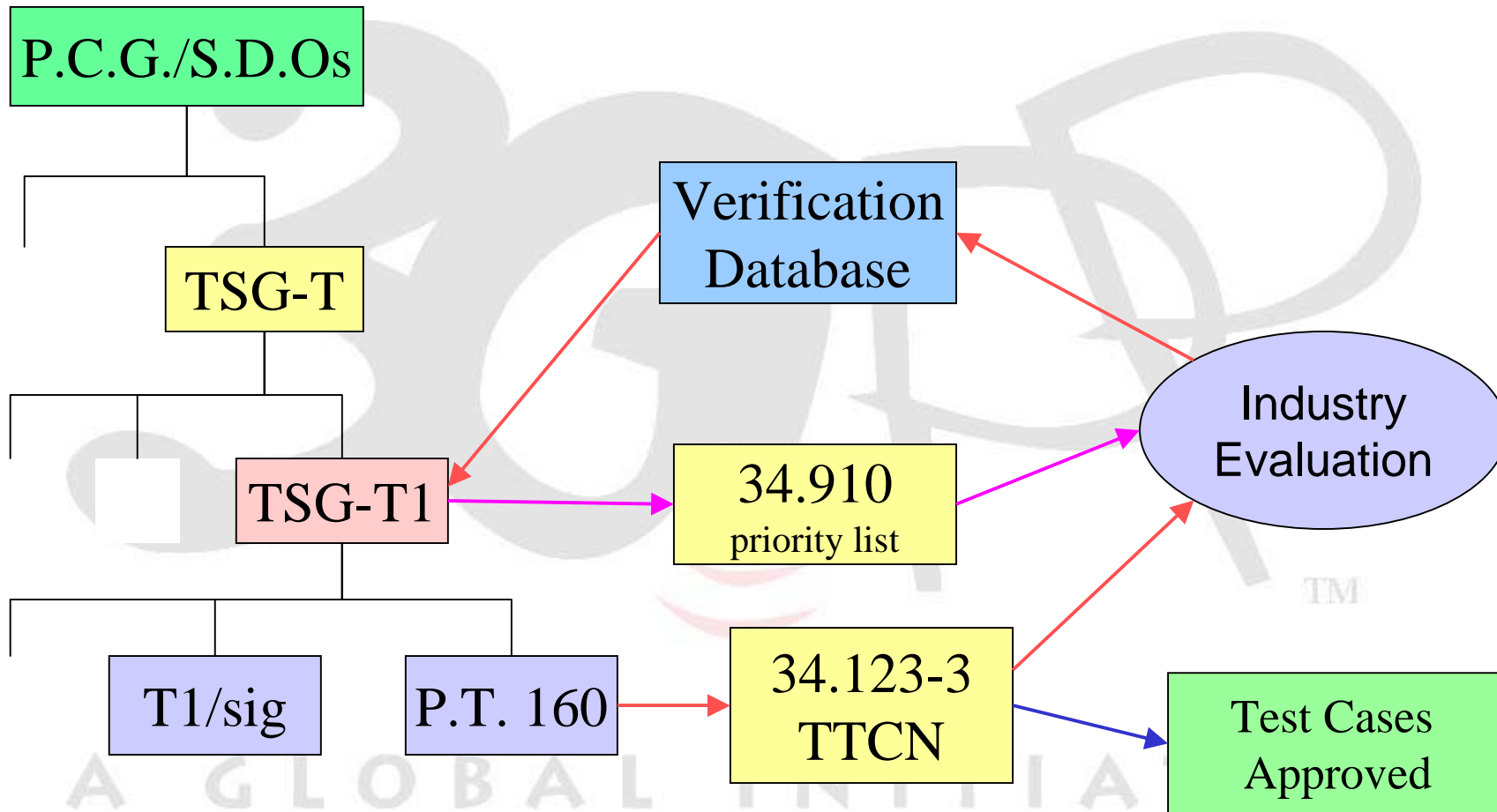
### *TTCN test specifications for the prose test cases in part 1*

- 575 TTCN test cases can be downloaded from the server
- 394 test cases are ready for external verification
- Test cases for Inter RAT (UTRAN->GERAN) drafted
- Verification database is now up and running, 75 problems reported and fixed

### *Voluntary Contributions for TTCN, see TP-010234*

- Request for contributions was issued in Oct, ETSI CL 2115
- Deadline is 9th December, no commitments received so far

# TTCN Verification Process



v4.1.0

# TTCN Configuration Management

## *The problem:*

- TTCN is in electronic format and the best way to make changes is to merge changed documents
- If more than one copy is merged with the original there could be conflicts and hence errors

## *The solution?*

- A configuration management (CM) tool would manage these conflicts

## *Next problem:*

- A variety of tools are currently in use by T1 members
- ETSI MCC does not own a CM tool

ETSI PT 160 are currently considering what approach would optimise the process of integrating changes in electronic form

# Status of 34.910

## Identification of Test requirements for regulatory purposes in different regions/countries

### *Regional regulatory test requirements*

- No further input documents were received for this issue
- PCG confirmed that all 3GPP specifications should represent a superset of all the regional regulatory requirements (ref: T1-010399)

### *Industry Test Case verification priorities*

- It is likely that this document will be modified in order to accept TTCN test case verification priority information
- These priorities will be recorded and made available in this reference document for use by external groups carrying out verification trials

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# Applications Platforms

## *Ad hoc meeting between T1 and T2*

- During TSG T1#13, an ad hoc meeting was held between members from T1 and T2 to explore ways of providing conformance tests for applications platforms
- Some progress was made in the area of MExE environment testing, however there is still much to be done to achieve a mutual understanding

## *Draft Work Item Description, see TP-010263*

- A work item description was prepared to cover the initial investigation and understanding work and was circulated between T1 and T2 in order to gain support

# Other T1 Issues

- 4 in coming LS's were noted
- T1's ToR were updated to reflect new terminology (TP-010265 for approval)
- 3 new release 5 work items have been drafted but are awaiting supporting companies
- T1 received a report from GSM association members who are forming a group called 'Tcert', aimed at coordinating inputs on TTCN test case priorities
- An ad hoc meeting will be held in Sofia Antipolis in January 2002, to address the process of handling test case priorities within T1.



# TSG-T1 Meeting schedule, 2002

<b>3GPPT1-SIG</b>	<b>18 – 20 Feb 2002</b>	<b>France, Sophia Antipolis</b>
<b>3GPPT1-RF</b>	<b>18 - 20 Feb 2002</b>	<b>France, Sophia Antipolis</b>
<b>3GPPT1-#14</b>	<b>21 - 22 Feb 2002</b>	<b>France, Sophia Antipolis</b>
<b>3GPPT1-SIG</b>	<b>20 –22 May 2002</b>	<b>Sweden, Ericsson</b>
<b>3GPPT1-RF</b>	<b>20 –22 May 2002</b>	<b>Sweden, Ericsson</b>
<b>3GPPT1-#15</b>	<b>23 –24 May 2002</b>	<b>Sweden, Ericsson</b>
<b>3GPPT1-SIG</b>	<b>29 -31 July 2002</b>	<b>Japan, Anite &amp; NTT DoCoMo</b>
<b>3GPPT1-RF</b>	<b>29 -31 July 2002</b>	<b>Japan, Anite &amp; NTT DoCoMo</b>
<b>3GPPT1-#16</b>	<b>1 – 2 Aug 2002</b>	<b>Japan, Anite &amp; NTT DoCoMo</b>
<b>3GPPT1-SIG</b>	<b>4-6 Nov 2002</b>	<b>UK, Anritsu</b>
<b>3GPPT1-RF</b>	<b>4-6 Nov 2002</b>	<b>UK, Anritsu</b>
<b>3GPPT1-#17</b>	<b>7-8 Nov 2002</b>	<b>UK, Anritsu</b>

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# Input Documents for TSG-T

- TP-010254 Report on T1 activities, this document **Presentation**
- TP-010255 Draft report from T1#13 **Information**
- TP-010256 Task 160 ToR **Information**
- TP-010257 Report from Task 160 **Information**
- TP-010258 CRs to 34.108 **Approval**
- TP-010259 CRs to 34.121 **Approval**
- TP-010260 CRs to 34.122 **Approval**
- TP-010261 CRs to 34.123-1 **Approval**
- TP-010262 CRs to 34.123-2 **Approval**
- TP-010263 Draft WI on MExE testing **Information**
- TP-010264 LS from T1 on SMS testing **Information**
- TP-010265 T1 ToR **Approval**

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