

***Draft TSG-T1
Conformance Test Specifications
Status Report to T#21 in
Frankfurt, Germany***

Phil Brown, 3
T1 Chairman

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Update since – T#20



- T1#20 was held in Munich, Germany 28 Jul – 1 Aug 03
- Hosted by Rohde & Schwarz and attended by 56 delegates
- Approximately 330 documents processed during the Plenary resulting in 156 docs submitted for approval
- 30 new TTCN test case approved by email since T#20 @ 16 Sep 03 and up to 13 more could be approved by 19 Sep 03

The draft report can be found in TP-030188 for information

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T1 Leadership Update



T1 Chair

Phil Brown, 3

T1 Vice Chairs

Dan Fox, Anritsu

Hisashi Nakagomi, NTT DoCoMo

RF Functional Area

Convener:

Carolyn Taylor, Motorola

Assistant:

To be confirmed

Sig Functional Area

Convener:

Dan Fox, Anritsu

Assistant:

Kazuo Hayashi, Panasonic PMC

ETSI Support

Alain Sultan

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RF Test Status



- **Main topics to be covered:**
 - RRM Background Analysis
 - Completeness of RRM
 - Maintenance of R99 specifications
 - Status of specifications and outstanding issues
 - TS 34.121 Single Release

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RRM Background Analysis



- Further analysis on test tolerances completed particularly by Racal Instruments, Agilent, Rohde & Schwarz and Anritsu
- CRs on test tolerances submitted for RRM test cases for approval including Cell Reselection in CELL_FACH, Random Access, CPICH RSCP and CPICH Ec/Io test cases - Total 7
- TR to be developed to capture the work done on measurement uncertainty for the more complex RRM test cases

Creation of TR 34.902 on measurement uncertainty is introduced in TP-030197 for information

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Completeness of RRM



Document

TS 34.121 R99

Test Spec.

90%>92%

Core Spec.

100%

- Previously reported figures are now deemed to be misleading because the tests did not include test tolerances just the minimum requirements
- One new test case: Test description was created for Cell Reselection to GSM test case
- **The proportion of RRM tests that now include test tolerances is approximately 20%**
- Further liaison with RAN 4 may be necessary to clarify the intent of some of the RRM tests
- No GCF RF tests validated so far are affected and the GCF will be informed
- T1 recognises the importance of focussing effort in this area to deliver more completed tests for GCF validation within the next 6 months

Maintenance of R99 Specifications

- Follow up database maintained by Nokia
- Provides assistance in tracking the changes to core specifications that are not covered by relevant test specification CRs
- Updates made in accordance with the latest core specifications

TS 34.121 Single Release



- Following T#20, Rel4 & Rel5 versions have now been created
- Single Release of TS 34.121 has been prepared for approval in addition to the above, as a result of a T1 study into the best method of maintaining a single release document based on Rel5 to cover R99 & Rel4 & Rel5.
- It has been made clear to the customer where the specs refer to the different core spec releases
- Updated versions of the R99 & Rel4 docs (for approval) contain pointers to the new (Rel5) Single Release spec
- Work will now start on a single version release of TS 34.122, this is expected for approval at T#22

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Status of RF Specifications



	<i>Current</i>	<i>For Approval</i>
TS 34.121 R99	3.13.0	3.14.0
TS 34.121 Rel4	4.0.0	4.1.0
TS 34.121 Rel5	5.0.0	5.1.0
TS 34.122 R99	3.11.0	3.12.0
TS 34.122 Rel4	4.8.0	4.9.0

CRs for 34.121 (R99, Rel 4 & Rel5), presented in TP-030189 for approval

CRs for 34.122 (R99 & Rel4) presented in TP-030190 for approval

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Status of Signalling Specifications

- TS 34.108 Common test conditions
- TS 34.123 – 1 Prose test specifications
- TS 34.123 – 2 Applicability Statement
- TS 34.123 – 3 TTCN Test Specification

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TS 34.108 v3.12.0 & 4.7.0



- Discussions to change default Network Mode of Operation from NMOI to NMO II. Views being sought from GSMA TWG (to become the Device Interoperability Group)
- Introduction of RB for Wideband AMR testing
- Corrections to the use of Activation Time following recent clarifications in the core specifications
- Extension of common procedures to handle the various ways that UEs can attach to networks
- Routine Maintenance – mainly minor corrections

CRs for 34.108 (R99 & Rel4) are presented in TP-030191 for approval

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TS 34.123 – 1 v5.4.0 Status



- Corrections to prose test cases coming from issues found during the verification of the TTCN
- Removal of one Package 2 RRC RB reconfiguration test case following clarification in core specifications on use of activation time made the test purpose redundant
- Removal of one Package 2 MAC test case as it duplicates test coverage provided by an RRM test case
- Resolved test method issues with proving that a radio bearer has been reconfigured correctly after RB RECONFIGURATION.
- Agreement on use of ATT flag in GMM test cases; the flag will be on for 10 test cases, and off in all others – to provide test coverage of both situations
- Introduced new test case for RAU procedure following CRs to core specification

CRs for 34.123-1, presented in TP-030192 for approval

TS34.123 – 2 v5.4.0 Status



Updated to reflect changes in TS34.123 – 1

CRs for 34.123-2, presented in TP-030193 for approval

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TS34.123 – 3 v3.3.0 TTCN



- 82 **P1** test cases now verified by T1 to Mar 02 baseline
- 14 **P2** test cases now verified by T1 to Mar 02 baseline @ 16 Sep 03
- TTCN now moving to Mar 03 baseline
- Major effort by industry to re-verify all test cases on new baseline
- **TS 34.123-3 TTCN V3.3.0 will be based on March-03 core specifications**
- Up to 16 Package 2 test cases are expected in the next 2 weeks by email



In the background Motorola has now verified 89 P1 and 65 P2 test cases against the Jun 02 baseline

TS34.123 – 3 TTCN ... (2)



- 3 phase integration plan agreed by T1 to reduce regression test time and further optimise the TTCN verification process against the new baseline
- Progress on the conversion to Mar 03 baseline
 - Phase One regression tests completed
 - 3 SS manufacturers participated with ETSI MCC 160
 - Further details in TP-030195
- Phase 2 & 3 to be completed in the next 3 weeks
- Multiple lessons learnt during the initial phase inter alia:
 - Better preparation and understanding of the regression testing
 - Wider availability of UEs and support from UE manufacturers needed
 - Wider involvement from test equipment manufacturers
- Approved test cases will be published in v 3.3.0

The TTCN project team report is presented in TP-030195 for approval
CRs for 34.123-3 are presented in TP-030194, TP-030199 (Fri), TP-030200, TP-030208
and TP-030209 (Fri) for approval

Work Item Update



- Thorough internal review of WI progress including support for Rel 4 & Rel 5 Work Tasks
- Introduction of one WID to cover HSDPA
- Updated WI documents presented in TP-030196 & TP-030198 for approval

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OMA Related Issues



- T1 formally briefed on OMA related issues
 - Enabler certification debate
 - GCF Feasibility study
 - 3GPP OMA overlap
- T1 Chair attended recent 3GPP OMA workshop
- T1 not looking to appoint an OMA Liaison Delegate
- No contributions to T1 for application enabler conformance tests within 3GPP scope yet although, 'the door has been left open'

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The Way Ahead – Update since T#20

- **More active liaison with RAN 4:**
 - More informal liaison taking place but still need more assistance with RRM test specs
 - Have planned to co-locate T1#23 with RAN 4 in May 04
- **Maintain close liaison with the GCF:**
 - T1 provided update to the GCF Steering Group#17
 - Re-verification of TTCN programme being undertaken for the move to Mar 03 core spec baseline as requested by GCF
 - T1 update presented to GCF UTRA AG#4 in Jun 03 and next update to be given to UAG#5 in Sep 03
- **Establish working relationship with OMA IOP WG**
 - Informal basis only. There are no plans to formalise the relationship as T1 does not see the necessity. To be removed as a long term goal

The Way Ahead – T1 Chair's 4 Month Aspirations @ May 03

- **Support to GCF for TTCN verified test cases**
 - Deliver minimum 80% of package 1 to Mar 02 by late Jun 03
 - Outcome: 78%. Latest estimate is 82%
 - Deliver minimum 40% of package 2 to Mar 02 by late Aug 03
 - Outcome: 5%. Latest estimate is 26% by end of Sep 03
 - Initiate and complete baseline conversion of package 1 & 2 to Mar 03 by T#21
 - Outcome: Phase one complete, work ongoing, expected delivery due within 3 weeks
- **Progress urgent work on RRM test cases**
 - Agree approach to determine test tolerance and complete at least 2 of the outstanding RRM test cases
 - Outcome: Agreed approach to test tolerances (measurement of uncertainty) & completed 2 as planned, plus an additional 5 RRM test cases relating to Random Access, CPICH RSCP & CPICH Ec/Io. CRs are submitted to T#21 for approval

The Way Ahead – T1 Chair's 3 Month Aspirations @ Sep 03

- Support to GCF for TTCN verified test cases
 - Deliver minimum 95% of package 1 by late Nov 03
 - Deliver minimum 80% of package 2 by late Nov 03
 - Deliver minimum 20% of package 3 by late Nov 03
- Introduce Test Tolerance to at least 4 more of the outstanding RRM test cases
- Develop a single release doc for TS 34.122
- Introduce a TR to cover work on measurement of uncertainty

Future Meeting Schedule



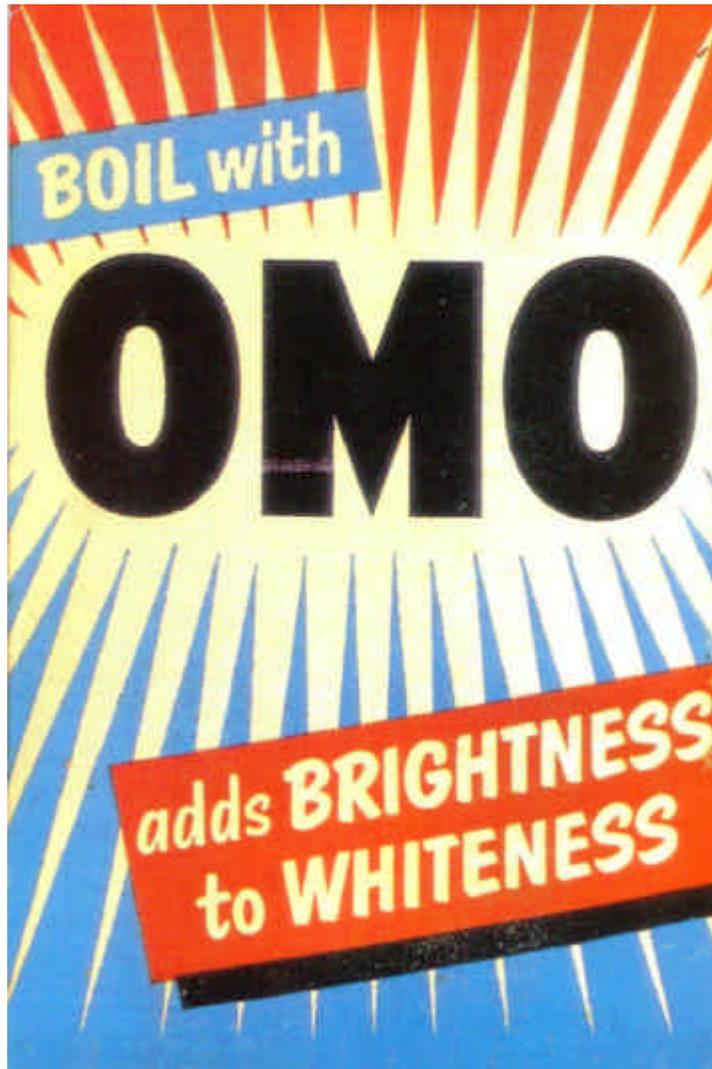
<i>Meeting</i>	<i>Dates</i>	<i>Location/Host</i>
T1# 21	3 – 7 Nov 03	Budapest, (EF of 3GPP)
T1# 22	2 – 6 Feb 04	TBD
T1# 23	10 – 14 May 04	Beijing, (Datang Mobile)
T1# 24	26 – 30 Jul 04	TBD

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Summary of Input Docs



T1 Status Report	TP-030187 Presentation
T1 Minutes of T1 meeting#20	TP-030188 Information
TTCN Report	TP-030195 Approval
CRs to 34.108	TP-030191 Approval
CRs to 34.121	TP-030189 Approval
CRs to 34.122	TP-030190 Approval
CRs to 34.123-1	TP-030192 Approval
CRs to 34.123-2	TP-030193 Approval
CRs to 34.123-3 (Prose part less Annex A)	TP-030194 Approval
CRs to 34.123-3 (Annex A summary)	TP-030199 Approval (Fri)
CRs to 34.123-3 (TTCN only)	TP-030200 Approval (Fri)
	TP-030208 Approval
Updated WID Document	TP-030209 Approval (Fri)
WI Sheet for new WT (HSDPA)	TP-030196 Approval
Intro of TR for Measurement of Uncertainty	TP-030198 Approval
	TP-030197 Information



One Meeting Option

Boiling with intellect

ADDs Brightness to
3gpp