

TSG-T1 Conformance Test Specifications Status Report to T#19 in Birmingham, UK

Phil Brown, 3
T1 Chairman

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Last Meeting – T1#18

- T1#18 was held in San Antonio, Texas, 10 – 14 Feb 03 and was hosted by The North American Friends of 3GPP
- 51 delegates
- 220 T1 output documents prepared based on approximately 300 documents processed between the SWGs

The draft report can be found in TP-030041- for information

RF test status

- **Main topics covered:**
 - **RRM Test Progress**
 - **Maintenance of R99 specifications**
 - **Status of specifications and outstanding issues**

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RRM Test Cases

- **36 new test cases developed including 2 FDD, 14 TDD (R99), 5 LCR TDD (Rel4) & 14 Cat A HCR TDD (Rel 4)**
- **Corrections and updates to existing Test Cases**
- **Test tolerances of RRM test cases were discussed at length. New guidelines for implementation test tolerances were created a liaison with RAN4.**
- **Analysis of power measurement accuracy still requires further study**

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Completeness of RRM Tests

<i>Document</i>	<i>Test Spec.</i>	<i>Core Spec.</i>
TS 34.121 R99	84%> 87%	100%
TS 34.122 R99	45%> 91%	100%
TS 34.122 Rel4	40%> 60%	100%

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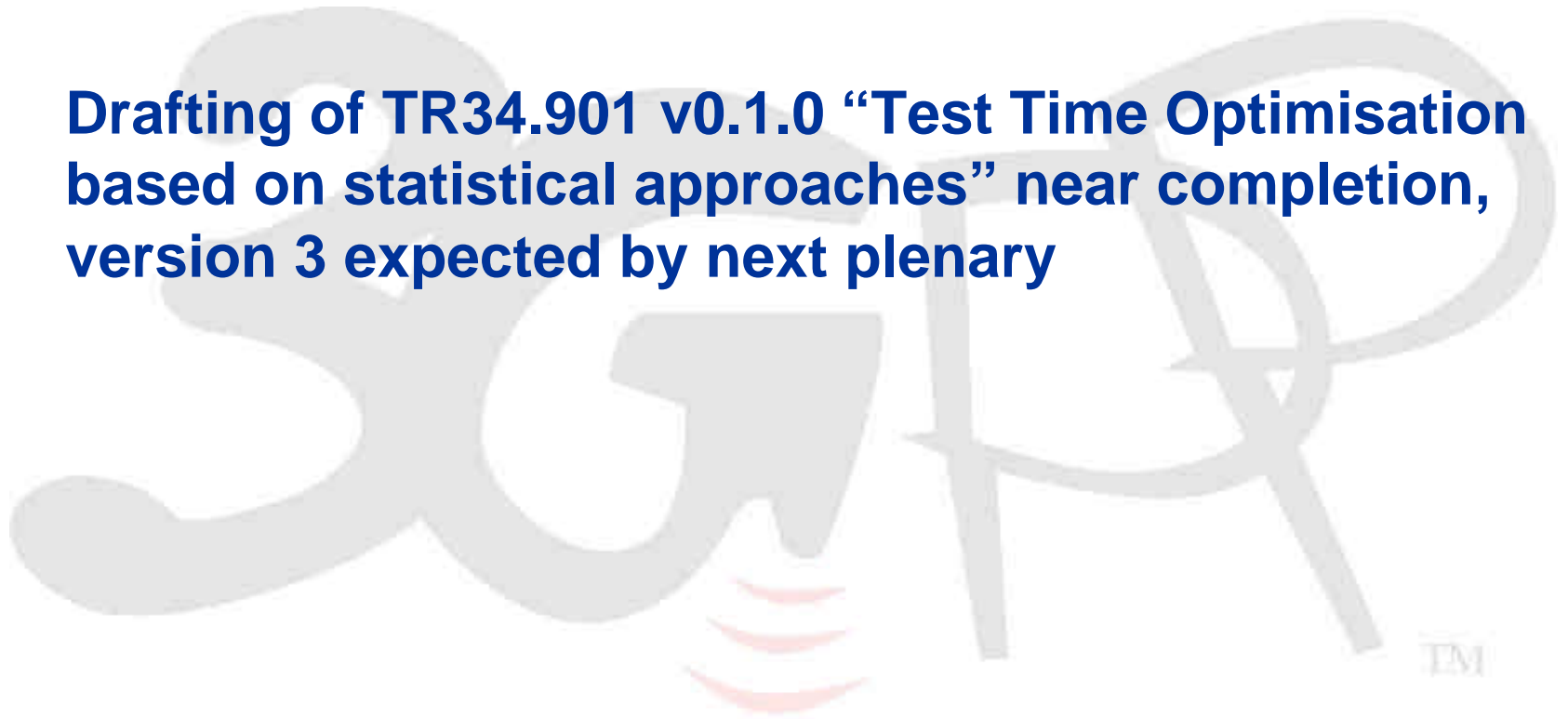
Maintenance of R99 Specifications

- Follow up database maintained
- 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

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Total Test Time

Drafting of TR34.901 v0.1.0 “Test Time Optimisation based on statistical approaches” near completion, version 3 expected by next plenary



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Status of RF Specifications

<i>Document</i>	<i>Current</i>	<i>For Approval</i>
TS34.121 R99	3.11.0	3.12.0
TS34.122 R99	3.10.0	3.11.0
TS34.122 Rel4	4.6.0	4.7.0

- **8 CRs for 34.121, presented in TP-030045 for approval**
- **43 CRs for 34.122 (R99 & Rel4) presented in TP-030046 for approval**

Status of Signalling Specifications

- **CRs to**
 - **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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TS34.108 v3.9.0 and 4.4.0

- **Maintenance of default message contents and procedures in line with Dec 02 Core specification**
- **Introduction and removal of RAB combinations in line with RAN LSs**
- **Resolution of RLC test RAB issues**

17 CRs for 34.108 (R99) are presented in TP-030043 for approval
18 CRs to 34.108 (Rel4), are presented in TP-030044 for approval

TS34.123 – 1 Status

- Updated in line with Dec 02 core specifications
- Removal of redundant RRC reconfiguration and state transition test cases considered to have no coverage impact
- Addition of test cases for security and PS NAS
- Added test method and support DSCH testing
- Inclusion of test cases for Intra-frequency Measurements TDD

64 CRs for 34.123-1, presented in TP-030047, TP-030048, TP-030049 for approval

TS34.123 – 2

Updated to reflect changes in TS34.123 – 1

7 CRs for 34.123-2, presented in TP-030050 for approval

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TS34.123 – 3 TTCN



13 more TTCN test cases now verified by T1 to Mar 02 baseline. Another 9 expected in the next 2 weeks by email



Over 80 TTCN test cases have now been verified by Motorola against the Jun 02 baseline. Although these will still need to be reviewed by T1, it prepares the way for a smooth transition to update the test cases against a later version of core specifications in accordance with the GCF certification criteria

TS34.123 – 3 TTCN .. (2).



- **A number of manufacturers of test equipment and handset technology have now reached a development status which allows T1 to base its verification on real HW implementations of test equipment and of UEs.**
- **The TTCN presented here for approval has been run on 2 independent test platforms and against at least 2 different UE implementation. Several more companies have confirmed that the TTCN run in their labs**

The general status of the TTCN project team is presented in TP-030042 for approval

15 CRs for 34.123-3 are presented in TP-030051 for approval

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Work Item Update

- **WI 42 to cover CRs to TS 34.121 Rel 4, five supporting companies – for approval**
- **WI 41 to cover CRs to TS 34.121 Rel 5, five supporting companies – for approval**
- **WI 51 – conformance testing of UE MExE capability removed**
- **General updating of supporting companies and review of progress and completion dates**

Updated WI document presented in TP-030052 for approval

T1 Elections - Outcomes

- **Elections for the T1 Chair and 2 Vice Chairs were held in T1#18, the results as follows:**
 - **T1 Chair:** Phil Brown, 3
 - **T1 Vice Chairs:** Dan Fox, Anritsu
 - **T1 Vice Chair:** Hisashi Nakagomi, NTT DoCoMo
- **No candidatures were nominated for the T1 RF SWG Chair, therefore the RF SWG was managed by the outgoing Chair and Vice Chair – *with thanks***

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No RF Chair - Implications

- **Need to review the T1 Structure quickly**
- **Feedback sought from T1 delegates**
- **4 options identified:**
 - **#1. Do nothing, hope someone volunteers**
 - **#2. Rotate the Chair**
 - **#3. Disband RF (be absorbed into RAN 4)**
 - **#4. One Meeting Option**

Options Analysis

- **#1. Risky, no sign of volunteer for the RF Chair, no management at next SWG**
- **#2. Possible, reduced commitment but danger to continuity**
- **#3. Possible, co-locate RRM experts, consumed in larger WG, less efficient, very unpopular**
- **#4. Possible, efficient use of time, reduced overheads, very popular**

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One Meeting Option (OMO)

- **Advantages:**
 - **Eliminate need for SWG Chairs & Vice-Chairs**
 - **Flexibility in meeting management**
 - **Documents approved only once**
 - **Reduced documentation**
 - **Better use of time**
- **Disadvantages:**
 - **Resistance to change**
 - **Supporting hierarchy does not fit**

OMO- Hierarchy Implications



- **Current:**
 - T one chair, two vice chairs
 - Sig one chair, one vice chair
 - RF no chair, no vice chair
 - ETSI one project manager/secretariat
- **Future Management Team (Proposed):**
 - T1 one chair – elected Feb 03,
 - T1 two vice chairs – elected Feb 03
 - T1 **two dedicated conveners** (named delegates)
 - one dedicated to RF functional area
 - one dedicated to Sig functional area
 - T1 **two support assistant functions** (named delegates)
 - one dedicated to RF functional area
 - one dedicated to Sig functional area
 - ETSI one project manager/secretariat

T1 – The Way Ahead

- **More active liaison with RAN 4:**
 - To resolve known RRM related issues
 - To provide more challenging feedback to RAN4
 - Possibly specific purpose ad hocs
- **Maintain close liaison with the GCF:**
 - Increase throughput of verified test cases to the industry for validation in accordance with the GCF
 - Prepare for re-verification programme of existing TTCN tests to later core spec baseline when needed by the GCF
- **Establish working relationship with OMA IOP WG**

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Future Meeting Schedule

<i>Meeting</i>	<i>Dates</i>	<i>Location/Host</i>
T1 # 19	12 - 16 May 03	Seoul, Samsung
T1 # 20	28 Jul – 1 Aug 03	Munich, Rohde & Schwarz
T1 # 21	3 – 7 Nov 03	TBD (EF3GPP)
T1 # 22	9 – 13 Feb 04	TBD

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Input documents to TSG-T



T1 Status report (this report)
T1 minutes of T1 meeting#18
TTCN report
CRs to 34.108 R99
CRs to 34.108 Rel 4
CRs to 34.121
CRs to 34.122
CRs to 34.123-1

CRs to 34.123-2
CRs to 34.123-3
Updated WID document

TP-030040 Presentation
TP-030041 Information
TP-030042 **Approval**
TP-030043 **Approval**
TP-030044 **Approval**
TP-030045 **Approval**
TP-030046 **Approval**
TP-030047 **Approval**
TP-030048 **Approval**
TP-030049 **Approval**
TP-030050 **Approval**
TP-030051 **Approval**
TP-030052 **Approval**

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