

TSG T WG1
Status Report to T#26
8th – 10th December 2004
Athens, Greece

Phil Brown, NTT DoCoMo

T1 Chair

Alain Sultan, MCC

T1 Secretary

TP-040230

General update since – T#25

- T1#25 was held in Malta 1 – 5 Nov 04, hosted by the European Friends of 3GPP and was attended by 54 delegates
- Over 480 documents processed during T1#25 resulting in approx 169 non-TTCN docs submitted for approval
- Maintained high pace of TTCN test case approvals; 60 TTCN test cases to be presented for approval by 10 Dec 04
Approximately 8% increase on completed RRM test cases; overall completion now 95%
- TTCN Workshop held at ETSI 9 – 10 Nov 04, to determine the schedule of work for 2005 based on known and anticipated taskings

The draft report of T1#25 found in TP-040231 for information

T1 Leadership Team Update

T1 Chair

Phil Brown, NTT DoCoMo

T1 Vice Chairs

Dan Fox, Anritsu

Hisashi Nakagomi, NTT DoCoMo

RF Functional Area

Convener:

Carolyn Taylor, Motorola

Assistant:

Mike Page-Jones, Siemens AG

Sig Functional Area

Convener:

Dan Fox, Anritsu

Assistant:

Kazuo Hayashi, Panasonic PMC

ETSI Support

Alain Sultan

RF Group Update

- **Main topics to be covered:**
 - RRM Progress
 - UMTS 850 MHz Band V Progress
 - Routine Maintenance
 - Status of RF specifications
 - Versions of RF specifications
 - HSDPA: see slide in Signalling section
 - A-GPS: see slide in Signalling section

RRM Progress

- The overall completion of RRM tests is approximately 95% of the initial GCF hi prio tests (GCF WI-010)
- There has been good progress on outstanding RRM test cases
 - 3 more RRM tests have been completed
 - 2 outstanding tests due to core spec clarifications needed
 - GCF informed of progress

RRM Tests	After T1 #24	~Projected T1#25	After T1#25
GCF group 1 (8 tests)	8/8 (100%)	8/8 (100%)	8/8 (100%)
GCF group 2 (35 tests)	30/35 (86%)	35/35 (100%)	33/35 (94%)

UMTS 850 MHz (Band V)

Progress

- 1 CR to introduce 850 MHz band V into TS 34.108
- 4 CRs to introduce 850 MHz band V to test cases in TS 34.121
- Work estimated 40% complete
- Plan to complete by T1#27 (Apr 05)

Routine Maintenance

- Follow up database maintained by Nokia
- Provides assistance in tracking the changes to core specs not covered by relevant test specification CRs
- Updates made in accordance with the latest core specifications
- TR 34.902 – Derivation of test tolerances for multi-cell Radio Resource Management conformance tests now at v2.0.0 ready for approval

TR 34.902 presented in TP-040239 for approval

Status of RF Specifications

- **TS 34.121**

- Sect 5 100%
- Sect 6 100%
- Sect 7 100%
- Sect 8 (RRM) 95 %

- **TS 34.122**

- Sect 5 90%
- Sect 6 90%
- Sect 7 85%
- Sect 8 (RRM) nil

Versions of RF Specs

	<i>Current</i>	<i>For Approval</i>
TS 34.121 Rel5	5.5.0	5.6.0

CRs for 34.121 (Rel 5), presented in TP-040234 for approval

Signalling Group Update

- TS 34.108 Common Test Environment for UE Conformance Tests
- TS 34.123 – 1 Prose test specifications
- TS 34.123 – 2 Applicability Statement
- TS 34.123 – 3 TTCN Test Specification
- HSDPA Update
- A GPS Update
- LCR TDD Update
- General TTCN Update

TS 34.108

- RAB configurations to support HSDPA
- Number of corrections for problems found during test case verification
- Corrections for Inter RAT test cases (generic SIB contents)
- Addition of reference RAB combinations for
 - 128 Kbps downlink PS streaming
 - AMR at 5.9 Kbps with SF=256 (replaces version with SF=128, which was not representative of real networks)
- Update of HSDPA default messages following LS from RAN2
- Addition of new HSDPA RAB configurations with UL 64 kbps
- TDD LCR corrections

CRs for 34.108 Rel-5 are presented in TP-040233 for approval

TS 34.123 – 1

- Corrections to prose test cases coming from issues found during the verification of the TTCN

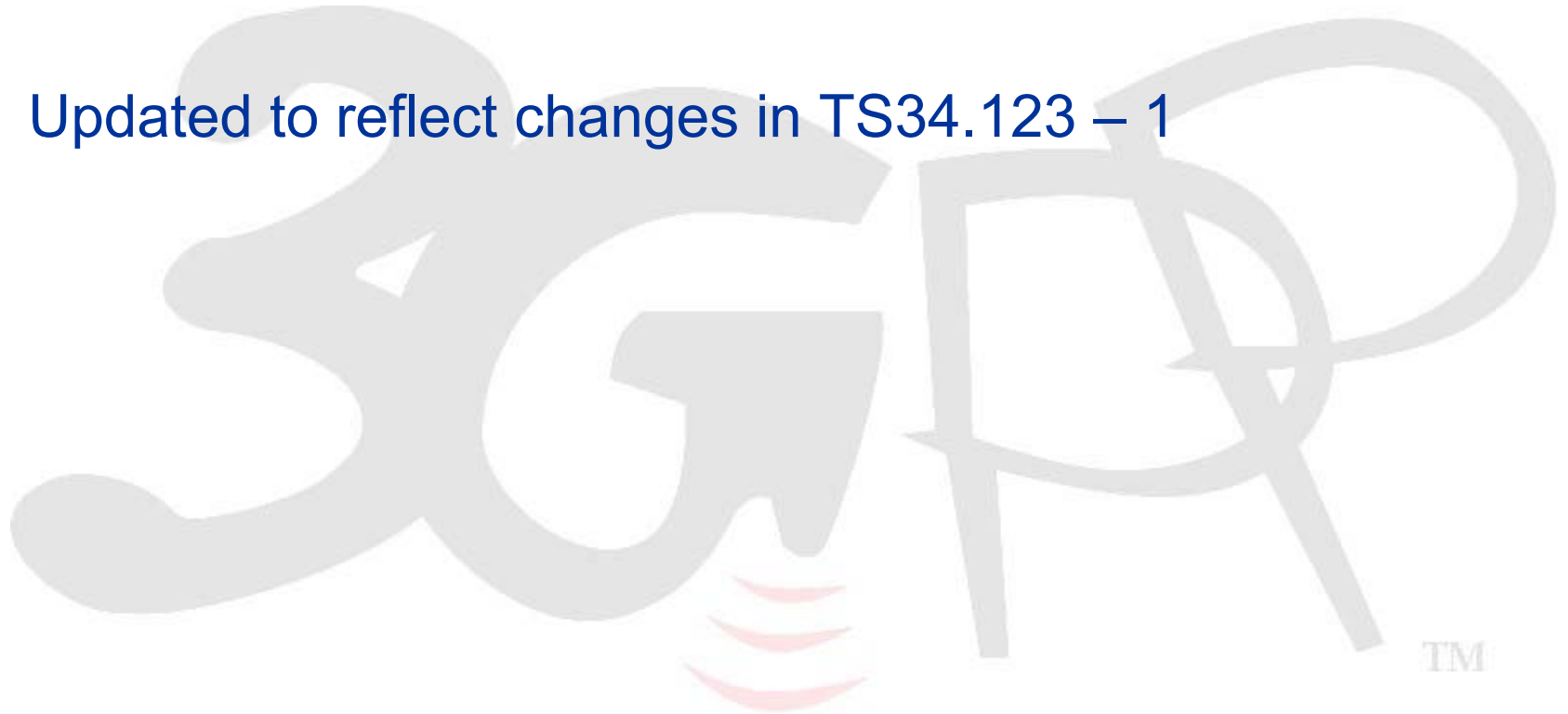
Package	P1	P2	P3	P4
# CRs	0	11	10	14

- Most changes were corrections to the prose. Only 15 CRs require further changes to the TTCN

CRs for TS 34.123-1 are presented in TP-040235 for approval

TS34.123 – 2

Updated to reflect changes in TS34.123 – 1



CRs for TS 34.123-2 are presented in TP-040236 for approval

TS34.123 – 3 (TTCN)

CRs for 34.123-3 are presented in TP-040237, TP-040238 TP-040241 and TP-040242 for approval

Status @ 7 Dec 04

	At T #25	Now
GCF Batch 1	93	94
GCF Batch 2	81	84
GCF Batch 3	76	82
GCF Batch 4	22	72



There are also 10 more test cases pending approval on or before 15 Dec 04

80% mark for batch 4 (based on approved and submitted tests) was achieved on 25 Nov 04

HSDPA Progress

- Protocol tests now 82% complete (was 55% at T1#24)
 - 46 out of 56 planned test cases ready
 - 16 new test cases introduced at T1#25 (1 MAC-hs, 12 RRC and 3 test cases for HSDPA radio bearer combinations)
- FDD RF tests 87% complete (was 87% at T1#24)
 - 6 out of 7 planned test cases 95% ready
 - Corrective CRs to existing test cases treated at T1#25
 - LS sent to RAN4 (T1-041981) on open issue for the missing test case
- TDD RF – no inputs
- Target date for remaining planned test cases is T1#26
- Detailed T1 HSDPA work plan in T1-041964r1
- HSDPA tests being considered by GCF prioritisation based on T1 output (GCF WI 014 for completion by Nov 05)

A-GPS Progress

- **Signalling**
 - 6 new A-GPS tests introduced to TS 34.123 – 1
 - Tests for UE-based and UE assisted to cover:
 - Transfer of positioning results to third party
 - Privacy options
 - Adequate assistance data defined for UE assisted
- **RF**
 - 6 tests introduced from RAN4 core spec TS 25.171
 - New test specification proposed: TS 34.171
 - Rapporteur for TS 34.171 is Richard Catmur of Spirent
 - Work estimated 50% complete
 - Plan to complete by T1#27 (or RAN5 #1!)

TS 34.171 is presented in TP-040240 for approval

LCR TDD

- TDIA continues to supply experts to work alongside TF 160 to develop LCR TDD TTCN
- 197 test cases have been coded
- Target is to code around 400 tests in 2005
- 33 man months required to continue its work at ETSI in 2005
- TDIA committed to providing 17 man months (voluntary) on site

General TTCN Issues

- **TTCN Workshop held at ETSI 9 – 10 Nov 04**
- **Release strategy for 2005**
- **Decisions on GCF Low Priority test cases:**
 - Low priority TCs will be delivered by TF 160 on demand but will only be maintained subject to further voluntary contributions
 - Any low priority test case may be approved in T1 and be part of a formal release, although its maintenance is not guaranteed
 - Prose will be updated in accordance with agreed contributions
- **Decisions endorsed by T1**
- **More details in the TF 160 Report**

TF 160 Report provided in TP-040244 for approval

TTCN Workshop provided in TP-040232 for information

Areas of Concern

Misalignment of inter RAT test cases between T1 and GERAN

- GERAN WG 3 has adopted the T1 TTCN approval methodology in order to keep GERAN and T1 tests in alignment. T1 tracking email approval process on GERAN 3 reflector, no longer a concern although the tests themselves are problematic

Insufficient funding for TF 160 in 2005

- 73 man months required based on anticipated work to meet the needs of the industry, details in the TF 160 report. OP allocated 58 man months, creating a gap in funding. T1 Chair coordinating the effort to close the gap and is seeking resources from the GCF, GSMA, voluntary on site contributions and other sources. Tasks not identified by T#25 will need to be self re-sourced.

Outcome of T1 Chair's last 3 Month Aspirations

- **Support to GCF for TTCN verified test cases**
 - Deliver minimum 95% of package 1 by early Dec 04 95%
 - Deliver minimum 90% of package 2 by early Dec 04 91%
 - Deliver minimum 85% of package 3 by early Dec 04 88%
 - Deliver minimum 80% of package 4 by early Dec 04 77%
 - **Support to GCF for FDD RRM test cases**
 - Deliver 100% of all tests by early Dec 04 95%
 - **LCR TDD TTCN**
 - 120 test cases to be developed by mid Sep 04 by TDIA 100%
- Update on progress in red assumes email approval as at 10 Dec 04 but does not include another 10 tests awaiting email approval by 15 Dec 04

The Way Ahead – T1 Chair's next 3 Month Aspirations

- **Support to GCF for TTCN verified test cases**
 - Deliver minimum 95% of package 1 by early Mar 05
 - Deliver minimum 95% of package 2 by early Mar 05
 - Deliver minimum 90% of package 3 by early Mar 05
 - Deliver minimum 90% of package 4 by early Mar 05
 - Prepare minimum 90% of GCF WI 012 by early Mar 05
 - Start Rel 5 regression testing for packages 1 to 4
- **Support to GCF for additional FDD RF test cases**
 - Deliver 50% of all tests by early Mar 05
- **LCR TDD TTCN**
 - 220 test cases to be developed by early Mar 05 by TDIA

2005 Future Meeting Schedule

<i>Meeting</i>	<i>Dates</i>	<i>Location/Host</i>
T1 #26	31 Jan – 4 Feb 05	Bangalore, India Sasken Communication Technologies
T1 #27	25 – 29 Apr 05	London, England Aeroflex
T1 #28	22 – 26 Aug 05	Berlin, Germany ETS
T1 #29	24 – 28 Oct 05	location tbc possibly Vancouver NA Friends of 3GPP Alternatively 7 – 11 Nov 05 Co-loc with RAN WG meeting

Summary of Input Docs

- T1 Status Report
- Minutes of T1#25
- TTCN Workshop Report
- MCC TF 160 Report
- MCC TF 160 ToR
- CRs to 34.108
- CRs to 34.121
- CRs to 34.123-1
- CRs to 34.123-2
- CRs to 34.123-3 (Prose part not Annex A)
- CRs to 34.123-3 (Prose part in Annex A)
- CRs to 34.123-3
- CRs to 34.123-3
- CRs to 34.123-3
- Introduction of TR 34.902 test tolerances
- Introduction of TS 34.171 A-GPS
- TP-040230 Presentation
- TP-040231 Information
- TP-040232 Information
- TP-040244 Approval
- TP-040245 Approval
- TP-040233 Approval
- TP-040234 Approval
- TP-040235 Approval
- TP-040236 Approval
- TP-040237 Approval
- TP-040238 Approval
- TP-040241 Approval
- TP-040242 Approval
- TP-040243 Approval
- TP-040239 Approval
- TP-040240 Approval

Thank you



A GLOBAL INITIATIVE