

TSG T WG1
Status Report to T#25
8th – 10th September 2004
Palm Springs, USA

Phil Brown, NTT DoCoMo

T1 Chair

Alain Sultan, MCC

T1 Secretary

TP-040155

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General update since – T#24

- T1#24 was held in Toronto, 26 – 30 Jul 04, hosted by the North American Friends of 3GPP and was attended by 64 delegates
- Over 440 documents processed during T1#24 resulting in approx 190 non-TTCN docs submitted for approval
- Maintained high pace of TTCN test case approvals; 57 TTCN test cases to be presented for approval on 8 Sep 04 and up to 8 more on 9 Sep 04
- Approximately 21% increase on completed RRM test cases; overall completion now 88%

The draft report found in TP-040156 for info

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
 - Routine Maintenance
 - Status of RF specifications
 - Versions of RF specifications

RRM Progress



- The proportion of complete RRM tests is approximately 88%
- There has been good progress on outstanding RRM test cases
 - 6 more RRM tests have been completed
 - GCF to be informed of progress
 - Target remains 100% completion after T1#25 in Nov 04

| RRM Tests | After T1 #23 | ~Projected T1#24 | After T1#24 |
|-------------------------------|--------------|------------------|-------------|
| GCF group 1 (8 tests) | 8/8 (100%) | 8/8 (100%) | 8/8 (100%) |
| GCF group 2.1 (20 tests) | 14/20 (70%) | 18/20 (90%) | 18/20 (90%) |
| GCF group 2.2.1 (10 tests) | 6/10 (60%) | 9/10 (90%) | 8/10 (80%) |
| GCF group 2.2.2 (5 tests) | 4/5 (80%) | 4/5 (80%) | 4/5 (80%) |

Routine Maintenance

- 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

Status of RF Specifications

- **TS 34.121**
 - Sect 5 100%
 - Sect 6 100%
 - Sect 7 98%
 - Sect 8 (RRM) 88%*
- **TS 34.122**
 - Sect 5 90%
 - Sect 6 90%
 - Sect 7 85%
 - Sect 8 (RRM) nil
- ***Estimated completion date of all GCF high priority tests: 5 Nov 04**

Versions of RF Specs

| | <i>Current</i> | <i>For Approval</i> |
|----------------|----------------|---------------------|
| TS 34.121 Rel5 | 5.4.0 | 5.5.0 |

CRs for 34.121 (Rel 5), presented in TP-040158 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
- Release and Configuration Manager (RCM) Funding for MCC 160
- HSDPA Update
- A GPS Update
- LCR TDD Update

TS 34.108

- Unification of all releases within the Rel 5 specification now completed
- RAB configurations to support HSDPA
- General maintenance and corrections

CRs for 34.108 (R99, Rel-4 & Rel-5) are presented in TP-040157 for approval

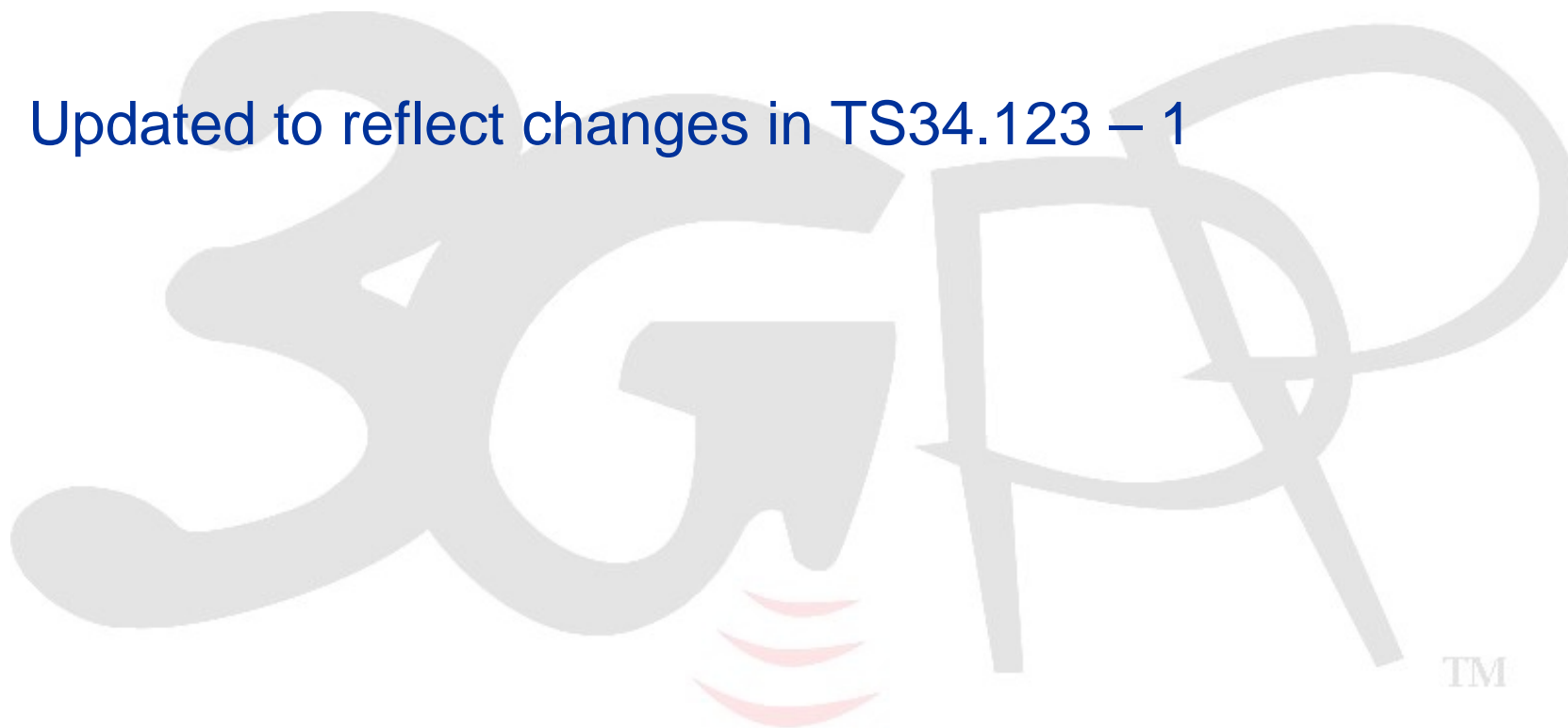
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TS 34.123 – 1

- Corrections to prose test cases coming from issues found during the verification of the TTCN
- Removal of idle mode test case test case 6.1.2.7 based on input from RAN 2
- Cooperation with T1 RF to resolve channel power offset issues in higher data rate test cases
- New test cases introduced to cover:
 - MAC, TFC selection
 - PDCP, Tests for RoHC
 - RRC Inter RAT (1 test case)
 - RRC Physical Channel Reconfiguration failure case
 - RAB, new combination for Wideband AMR
- **CRs for TS 34.123-1 are presented in TP-040160 for approval**

TS34.123 – 2

Updated to reflect changes in TS34.123 – 1



CRs for TS 34.123-2 are presented in TP-040161 for approval

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TS34.123 – 3 (TTCN)

CRs for 34.123-3 are presented in TP-040148, TP-040149 and TP-040162 for approval. TP-040193 and TP-040167 to be presented on 9 Sep 04 (awaiting email approval)

Status @ 7 Sep 04*

| | At T #24 | Now |
|-------------|----------|-----|
| GCF Batch 1 | 90 | 92 |
| GCF Batch 2 | 73 | 80 |
| GCF Batch 3 | 42 | 74 |
| GCF Batch 4 | nil | 18* |



There are also 14 more test cases pending approval, 8 of which are to be email approved on 8 Sep 04

*Batch 4 verification has started; none can be formally verified until batch 3 is 80% complete, until then good tests can be conditionally approved
Motorola has also internally verified 51 P4 against the Mar 03 baseline

RCM Funding in 2005

- At T1#24, there was widespread agreement that the role was essential to the complex process of ATS development and publication, and will continue to be essential in 2005
- T1 agreed to consider funding as part of the overall budget* requirement being identified by TF 160 to continue TTCN development in 2005 (10 – 15% of the overall budget)
- Draft 2005 budget requirement to be presented within the TF 160 report in TP-040147

HSDPA Progress

- Protocol tests now 55% complete
- RF tests now 87% complete
- Another 22 test cases identified to cover state transition (not yet fully defined)
- 10 new HSDPA RRC test cases introduced
- HSDPA tests already being considered by GCF prioritisation based on T1 output

A GPS Progress

- 10 new A-GPS tests introduced to TS 34.123 – 1
- Tests for UE-based and UE assisted to cover:
 - GPS assisted emergency calls
 - Position estimation
 - Some failure cases
- Work being ‘pushed’ by Ericsson, Motorola and Qualcomm

LCR TDD

- TDIA continues to supply 4 experts to work alongside TF 160 to develop LCR TDD TTCN
- TF 160 Manager has used 2003 underspend of 68K Euros to resource support for the LCR TDD effort
- Expectation is that around 120 tests will be coded in 2004
- TDIA estimates it will need 33 man months to continue its work at ETSI in 2005

New Work Items

- General changes to TS 34.121 & TS 34.122 corresponding to changes in Rel 6
- Terminal Conformance Specification of Radio Transmission and Reception for introduction in the UMTS-850 MHz Band
- Difference and Corresponding Effect Analysis between FDD and 1.28Mcps TDD in Radio Access Stratum Protocol Aspects
- To be presented in TP-040164, TP-040165 & TP-040194 respectively
- Updated work plan presented in TP-040163

Areas of Concern

In sufficient progress in completion of RRM test cases by 5 Nov 04

- This is being addressed and a plan is in place to ensure continued progress but more resources are welcome – With only 5 of the 43 high priority test cases to be completed, this is now less of a concern and the target is possible

Misalignment of inter RAT test cases between T1 and GERAN

- GERAN WG 3 will be adopting the T1 TTCN approval methodology in order to keep GERAN and T1 tests in alignment. T1 will track progress closely to ‘head off’ potential conflicts and will review its PRD 12 (TTCN approval) to reduce complications – BUT IT IS STILL A CONCERN

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. Not yet known what the allocation will be; provisional results expected in mid Sep 04

Outcome of T1 Chair's last 3 Month Aspirations



- **Support to GCF for TTCN verified test cases**
 - Deliver minimum 95% of package 1 by mid Sep 04 94%
 - Deliver minimum 85% of package 2 by mid Sep 04 86%
 - Deliver minimum 80% of package 3 by mid Sep 04 80%
 - Deliver minimum 20% of package 4 by mid Sep 04 23%
 - **Support to GCF for FDD RRM test cases**
 - Deliver 90% of all tests by mid Sep 04 88%
 - **LCR TDD TTCN**
 - 40 test cases to be developed by mid Sep 04 by TDIA 100%
- Update on progress in red and also assumes email approval as at 10 Sep 04

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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 Dec 04
 - Deliver minimum 90% of package 2 by early Dec 04
 - Deliver minimum 85% of package 3 by early Dec 04
 - Deliver minimum 80% of package 4 by early Dec 04
- **Support to GCF for FDD RRM test cases**
 - Deliver 100% of all tests by early Dec 04
- **LCR TDD TTCN**
 - 120 test cases to be developed by early Dec 04 by TDIA

Future Meeting Schedule

| <i>Meeting</i> | <i>Dates</i> | <i>Location/Host</i> |
|----------------|-------------------|---|
| T1 #25 | 1 – 5 Nov 04 | Malta European Friends of 3GPP |
| 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 (awaiting confirmation) |
| T1 #29 | 24 – 28 Oct 05 | location tbc possibly Vancouver NA Friends of 3GPP |

Summary of Input Docs

- | | |
|--|--------------------------|
| • T1 Status Report | TP-040155 Presentation |
| • Minutes of T1#24 | TP-040156 Information |
| • MCC TF 160 Report | TP-040147 Approval |
| • CRs to 34.108 | TP-040157 Approval |
| • CRs to 34.121 | TP-040158 Approval |
| • CRs to 34.123-1 | TP-040160 Approval |
| • CRs to 34.123-2 | TP-040161 Approval |
| • CRs to 34.123-3 (Prose part not Annex A) | TP-040162 Approval |
| • CRs to 34.123-3 (Prose part in Annex A) | TP-040193 Approval (Thu) |
| • CRs to 34.123-3 | TP-040148 Approval |
| • CRs to 34.123-3 | TP-040149 Approval |
| • CRs to 34.123-3 | TP-040167 Approval (Thu) |
| • WID Rel 6 changes to RF specs | TP-040164 Approval |
| • WID 850 MHz band | TP-040165 Approval |
| • WID LCR Analysis TR | TP-040194 Approval |
| • Work Plan Update | TP-040163 Approval |

Thank you



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