TSG T WG1
Status Report to T#24
2 - 4 June 2004
Seoul, Korea

Phil Brown, NTT DoCoMo

T1 Chair

Alain Sultan, MCC

T1 Secretary

TP-040110

General update since – T#23

- T1#23 was held in Beijing, 10 – 14 Mar 04, hosted by DaTang and attended by 60 delegates including a joint RAN4/T1 session
- Over 400 documents processed during T1#23 resulting in approximately 186 non-TTCN docs submitted for approval
- Maintained high pace of TTCN test case approvals since T#23, 106 TTCN CRs to be presented for approval
- Approximately 25% increase on completed RRM test cases and overall completion near to 70%

The draft report can be found in TP-040111 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
  - Routine Maintenance
  - Status of RF specifications
  - Versions of RF specifications

RRM Progress

- The proportion of complete RRM tests is approximately 70%
- There has been good progress on outstanding RRM test cases
  - 11 more RRM tests have been completed
  - Nokia and NEC have each provided one extra delegate to assist over the last two T1 meetings

RRM Tests	After T1 #22	~Projected T1#23	After T1#23
GCF group 1 (8 tests)	4/8 (50%)	8/8 (100%)	8/8 (100%)
GCF group 2.1 (20 tests)	9/20 (45%)	15/20 (75%)	14/20 (70%)
GCF group 2.2.1 (10 tests)	2/10 (20%)	4/10 (40%)	4/10 (40%)
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) 67%*
- *Estimated to be 91% by Jul 04
- *Estimated completion date of all GCF high priority tests: 5 Nov 04

- **TS 34.122**
  - Sect 5 90%
  - Sect 6 90%
  - Sect 7 85%
  - Sect 8 (RRM) nil

Versions of RF Specs

	Current	*For Approval*
TS 34.121 Rel5	5.3.1	5.4.0

CRs for 34.121 (Rel5), presented in TP-040113 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 for MCC 160

- HSDPA Update

- LCR TDD Update

TS 34.108

- Rel 5 specification introduced.
  - RAB configurations to support HSDPA
- Further discussion over default NMO to be used in test cases, but no consensus to change from NMO I to NMO II
- General maintenance and corrections

CRs for 34.108 (R99, Rel-4 & Rel-5) are presented in TP-040112 for approval
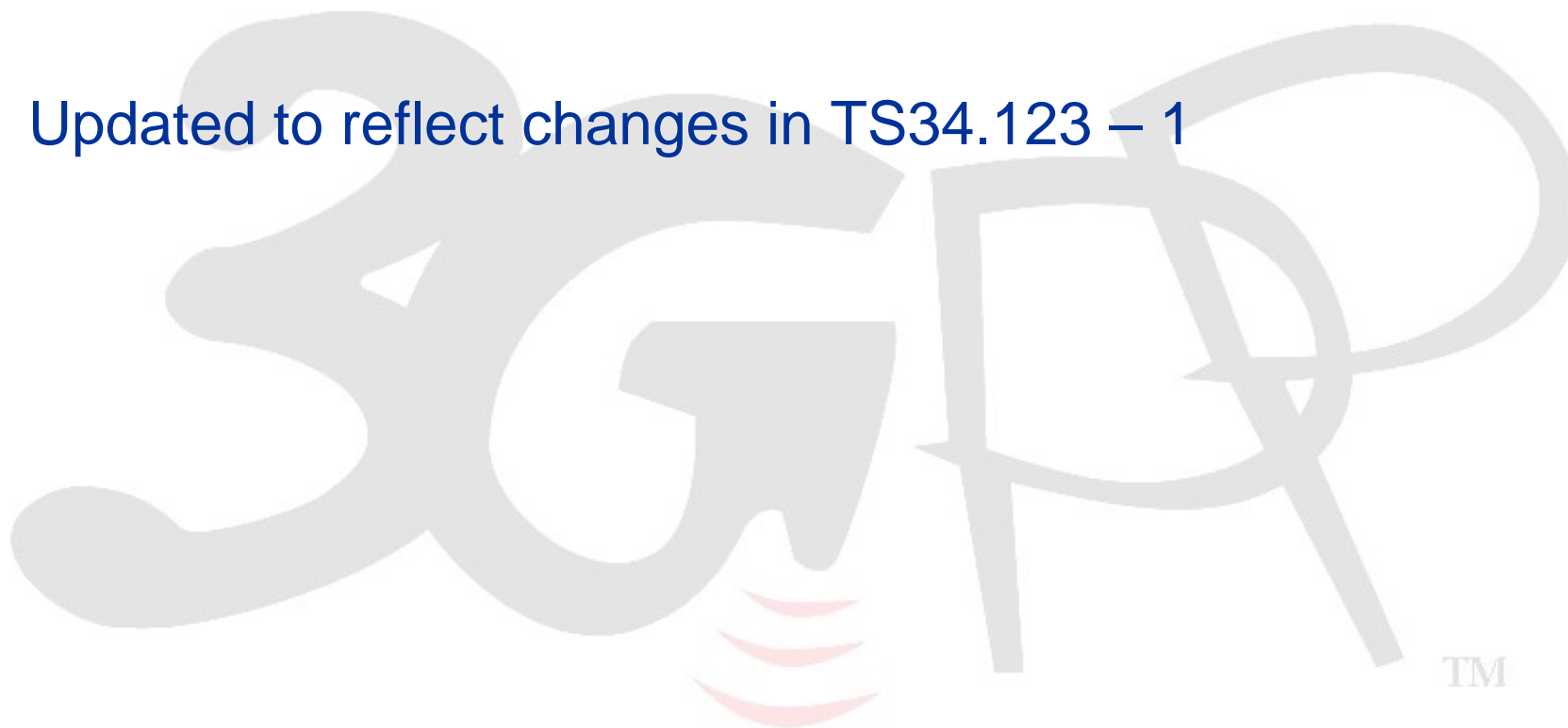
TS 34.123 – 1

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

- Ongoing discussions over the handling of critical versus non-critical CRs to already approved test cases:
  - T1 agreed to implement all CRs to any test case that was T1 approved and that there would be no concept of critical and non-critical CRs.
  - The T1 PRD 12 has been amended to include guidance to determine the criteria against which a CR may be judged as essential.

- T1 has produced an iWD that identifies those tests that it cannot verify due to circumstances beyond its control. The GCF UAG (and SG) have agreed to use the iWD. This is significant in the calculation of batch completion from both a verification and GCF validation point of view. Currently there are 4 batch 2 test cases in the iWD.

TS 34.123 – 1

- A number of CRs dealing with practical issues of handling all the different allowable UE behaviours
    - E.g. handling of optional DETACH procedures, including the variety of different orders that things can be received from the UE
- 25 CRs requiring high priority fixes to TTCN (P1-P3)
- 23 CRs requiring lower priority fixes to TTCN (P4+)
- 35 CRs aligning text with the TTCN (i.e. the text/ prose was incorrect)
- First A-GPS test cases (prose) were approved

- **CRs for TS 34.123-1 are presented in TP-040115 for approval**

TS34.123 – 2

Updated to reflect changes in TS34.123 – 1

CRs for TS 34.123-2 are presented in TP-040116 for approval

TS34.123 – 3 (TTCN)

CRs for 34.123-3 are presented in TP-040117 to TP-040121 and TP-040123 for approval

Status @ 28 May 04

	At T #23	Now
GCF Batch 1	88	90
GCF Batch 2	55	73
GCF Batch 3	nil	42

- There are also 18 more test cases pending approval, 7 of which could be email approved before the end of T#24
- Motorola has also internally verified 51 P3 and 26 P4 against the Mar 03 baseline
- First inter RAT Idle Mode test case being verified (see LS to TP-040130)

Release and Configuration Manager (RCM) for MCC 160...

- Principle areas of activity:
  - Working with the verification teams
  - Working with MCC 160
  - Publishing status reports to the T1 community
- A complex and dynamic situation is now fully managed to optimise the time available
- All those directly involved are very impressed and benefit accordingly
- MCC 160 manager now concentrates on bug fixing

RCM Services

- Verification Teams
  - Chairs & reports on regular regression/validation conf calls
  - Creates the regression test plan for each ATS delivery
  - Tracks errors encountered during regression testing
  - Consolidates regression test results
  - Provides statistics to stimulate further external planning
  - Maintains overall test plan based on external feedback
- MCC 160
  - Created and now maintains extended CR status lists that tracks MCC achievements
  - Maintenance of informal error list/CRs to track MCC error correction progress during regression testing
- T1 Community
  - Refined and now maintains & publishes the approved TC list
  - Created and now maintains & publishes the CR status list
  - Publishes the CRs received & comments to 3GPP server

Proposed 2005 Funding for the RCM

- GCF 2005 Budget being considered in July
- T1 needs to consider its requirements for 2005 and its use of resources
- T1 is prepared to use 6 man months of resources to co-fund the RCM in 2005 (as per 2004)
- T1 seeks agreement from T Plenary to make the above pledge

HSDPA Progress …(1)

- Good progress
- HSDPA RF testing area:
  - Joint T1-RAN4 ad-hoc discussed feasibility of testing Measuring Throughput in a fading Channel for the case of low throughput.
  - Method for statistical testing of HSDPA receiver performance introduced in 34.121, Annex F 6.3.
  - Common signalling for HSDPA RF test cases added to 34.108
  - For FDD all receiver and performance test cases 90% completed.
  - One missing HSDPA transmitter test case expected to be included at T1#24.

HSDPA Progress… (2)

- HSDPA protocol testing area:
  - Default messages for HSDPA were updated in 34.108 and existing protocol test cases in 34.123-1 were aligned with latest core specifications changes.
  - LS sent to RAN2 to clarify radio bearer settings (T1-040957).
  - 11 new HSDPA test cases were added to 34.123-1 (1 MAC-hs and 10 RRC).
  - Additional HSDPA protocol test cases are expected at T1#24.
- Updated work plan for HSDPA in T1-040545.
- Current T1 estimates for the HSDPA work item:
  - 90% completed for the FDD RF testing area
  - 50% completed for the FDD protocol testing area

LCR TDD

- TDIA is now supplying 4 experts on a voluntary basis to work alongside TF 160 to develop LCR TDD TTCN

- TF 160 Manager to use 2003 underspend of 68K Euros for resources to support TDD LCR work.

- Expectation is that 90 – 100 tests will be coded by Dec 04

- TDIA representatives are hoping that more T1 resources will be used to develop LCR TDD TTCN test cases in 2005

Liaison Statement to T#24

- **TP-040130; LS on accepting changes to Idle Mode test cases implementing allowed Rel-6 behaviour in R99 terminals**

- **LS to T ccT3 is presented in TP-040130 for information**

Previous Areas of Concern

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 – IT IS STILL A CONCERN

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 – IT IS STILL A CONCERN

Outcome of T1 Chair's last 3 Month Aspirations

- **Update on progress in red**
- **Support to GCF for TTCN verified test cases**
  - Deliver minimum 95% of package 1 by mid Jun 04   **90%**
  - Deliver minimum 80% of package 2 by mid Jun 04   **80%**
  - Deliver minimum 70% of package 3 by mid Jun 04   **44%**
- **Introduce Test Tolerance to at least 6 more of the outstanding RRM test cases** ✓
- **Start work on TDD LCR TTCN test case implementation** ✓
- **Introduce Rel 5 version of TS 34.108 for approval at T#24** ✓
- **Undertake joint T1 RAN4 ad hoc on HSDPA issues** ✓

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 mid Sep 04
  - Deliver minimum 85% of package 2 by mid Sep 04
  - Deliver minimum 80% of package 3 by mid Sep 04
  - Deliver minimum 20% of package 4 by mid Sep 04

- **Support to GCF for FDD RRM test cases**
  - Deliver 90% of all tests by mid Sep 04

- **LCR TDD TTCN**
  - 40 test cases to be developed by mid Sep 04 by TDIA

Future Meeting Schedule

Meeting	Dates	Location/Host
T1 #24	26 – 30 Jul 04	Toronto, (NA F of 3GPP)
T1 #25	1 – 5 November 04	Malta, (E F of 3GPP)

Summary of Input Docs

- T1 Status Report   TP-040110 Presentation
- Minutes of T1#23   TP-040111 Information
- MCC TF 160 Report   TP-040122 Approval
- Liaison statement   TP-040130 Information
- CRs to 34.108   TP-040112 Approval
- CRs to 34.121   TP-040113 Approval
- CRs to 34.123-1   TP-040115 Approval
- CRs to 34.123-2   TP-040116 Approval
- CRs to 34.123-3 (Prose part not Annex A)   TP-040117 Approval
- CRs to 34.123-3 (Prose part in Annex A)   TP-040123 Approval
- CRs to 34.123-3   TP-040118 Approval
- CRs to 34.123-3   TP-040119 Approval
- CRs to 34.123-3   TP-040120 Approval
- CRs to 34.123-3   TP-040121 Approval
- Work Plan Update   TP-040124 Approval

Thank you