Chairman's Status report

for 3GPP TSG-T1

(Conformance Test Specification)

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- The T1 plenary group met once and the 3 Sub Working Groups met twice since the last TSG-T meeting. A TTCN ad hoc meeting was held.

- The last TSG-T1 meeting was held in Redondo Beach, CA, USA and was hosted by 'NA Friends of 3GPP' 46 delegates, 93 input documents, 57 CRs (2 of them with 600 pages). Due to a somewhat modest number of input documents to the SWG meetings, the SWG meetings were cut short by a day. TSG-T1 apologizes to the host for any inconvenience. The minutes can be found in TP-000213

- Items for special TSG-T attention are marked in red

New Chairman of TSG-T1/SWG RF

Mr Yonekura, from Fujitsu has been elected new chairman of the RF SWG! TSG-T1 congratulates Mr Yonekura with his election.

Also TSG-T1 wants to extend it gratitude towards Mr Yokoyama from Agilent for his excellent work the last 2 years establishing the RF SWG and the RF specifications.

Specification status

34.108 - Common test Conditions for User Equipment (UE) Conformance Testing

'TS 34.108 contains definitions of reference conditions and test signals, default parameters, reference Radio Bearer configurations, common requirements for test equipment and generic set-up procedures for use in UE conformance tests.'

CR to 34.108 presented in detail in TP-000215 for Approval.

5 CRs with 'routine updates' and 6 'special CRs':

	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level
34.108	021		R99	Common generic procedure for AS testing	B	3.1.0	3.2.0	T1-000294
34.108	022		R99	Requirements for the system simulator for support of Tcell parameter	F	3.1.0	3.2.0	T1-000303
34.108	023		R99	Minimum Performance Levels	F	3.1.0	3.2.0	T1-000306
34.108	024		R99	Downlink signal conditions and propagation conditions	D	3.1.0	3.2.0	T1-000307
34.108	025		R99	Updating 34.108 v3.1.0 to TDD single mode	F	3.1.0	3.2.0	T1-000281
34.108	026		R99	Application of integrity mode protection to signalling message by default	F	3.1.0	3.2.0	T1-000296

Specification status

34.121 - Terminal Conformance Specification, Radio Transmission and Reception (FDD)

'Contains the measurement procedures for the transmitting characteristics, the receiving characteristics and the *performance requirements* in FDD mode.'

Issues:

Test Tolerance/Combined Uncertainty/ Measurement Uncertainty.
(See under 'Current TSG-T1 issues')

Total Test time: Some proposals reviewed; no conclusion yet!

RRM: Work only starting now due to Core instability, more contributions required for RRM

Status

4. Frequency bands and channel arrangement	100%
5. Transmitter Characteristics	90%
6. Receiver Characteristics	95%
7. Performance requirements	90%
8. Requirements for support of RRM	15%
Annexes (except Annex-F)	100%
Annex-F	10%

CRs for 34.121, presented in TP-000216 for approval.

2 CRs with Editorial changes, 6 CRs resulting directly from changes in the core specifications and 10 CRs with modifications of 34.121:

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level
34.121	046		R99	Test for combining TPC commands in soft handover	F	3.2.0	3.3.0	T1-000239
34.121	047		R99	Corrections to power control tests	F	3.2.0	3.3.0	T1-000240
34.121	048		R99	Correction to Open Loop Power Control in Uplink	F	3.2.0	3.3.0	T1-000242
34.121	049		R99	Correction to Transmit ON/OFF Time mask	F	3.2.0	3.3.0	T1-000243r
34.121	050		R99	Correction to Spurious Emission test	F	3.2.0	3.3.0	T1-000244
34.121	051		R99	Correction of spurious emission measurement procedure	F	3.2.0	3.3.0	T1-000245
34.121	052		R99	Out-of-synchronization handling of output power	F	3.2.0	3.3.0	T1-000246
34.121	053		R99	Clarification of test procedure and test requirement for receiver blocking and spurious response.	F	3.2.0	3.3.0	T1-000248
34.121	054		R99	Subclause 7.8 Power control in downlink	F	3.2.0	3.3.0	T1-000249
34.121	055		R99	Downlink compressed mode	F	3.2.0	3.3.0	T1-000251

Specification status

34.122 - Terminal Conformance Specification, Radio Transmission and Reception (TDD)

‘‘Contains the measurement procedures for the transmitting characteristics, the receiving characteristics and the *performance requirements* in TDD mode.’

Issues

Still few contributions and from a limited number of companies

BCH test cannot be realized based on current loopback scheme - discussion on e-mail reflector.

Same as for FDD (test uncertainty/ test time/...)

Status

Clause, subclause	Estimated Level of Completeness	State of the corespecs 25.102
5. Transmitter Characteristics	85%	90%
6. Receiver Characteristics	90%	90%
7. Performance Requirements	70%	90%
Requirements for Support of Radio Resource Management (TDD)	0%	State of corespec 25.123 50%
Annexes	80%	90%

CR for 34.122, presented in TP-000217 for approval. They include 4 CRs due to changes in the core specifications and 3 CRs with modifications to the test specifications:

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level
34.122	006		R99	Uplink Power control	F	3.1.0	3.2.0	T1-000258
34.122	007		R99	UE maximum output power multicode	F	3.1.0	3.2.0	T1-000260
34.122	008		R99	Out-of-synchronisation handling of output power	F	3.1.0	3.2.0	T1-000261

Specification status

34.123-1 - User Equipment (UE) Conformance Specification, Part 1 – Conformance specification

'Contains a prose description of the protocol test cases'.

When a Test Case(TC) has been stabilized in prose(text), it can (given the priority) subsequently be described in TTCN.

CRs to 34.123-1 presented in TP-000218 for approval! 11 CRs with routine updates and 3 CRs requiring special attention:

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level
34.123-1	034		R99	Application of integrity mode protection to signalling message by default	F	3.1.0	3.2.0	T1-000297
34.123-1	035		R99	New teset cases for CS intersystem handover	B	3.1.0	3.2.0	T1-000300
34.123-1	036		R99	CR to 34.123-1, Annex B, Mapping of test cases to core specification versions	D	3.1.0	3.2.0	T1-000319

Indicating the current contents of TSG-T1 release '99 signaling part.

Pure 3G environment (in FDD environment!):	Sep	Now
-Idle mode functions	90%	100%
-Voice call functions (incl. emergency call)	98%	98%
-Circuit switched data (up to 64 kb/s) + Fax	98%	100%
-Auto-calling (restrictions)	100%	100%
-SMS (PP & CB)	95%	100%
-GSM/3G support(CS)	5%	100%
-GSM/3G support(PS + PS/CS) (Scheduled for rel'4)		0%
-Packet data	70%	90%

100% means all test cases are present; requires maintenance due to changes in core specifications.

Status of the 'Prose project team'(161):

The four experts have been working on the development of:
(1) L2 PDCP & BMC, - finished and approved
(2) L2 MAC, - almost finished and results are approved, rest will be done by voluntary resources.
(3) Review and refine RRC test (was resolved by voluntary means)

(4) Intersystem HO (CS) - have been finalised. 25 test cases delivered to T1 and added via CR# 035 in to 34.123-1.

The work of Project Team 161 is done and the project is closed.

Specification status

34.123-2 - User Equipment(UE) Conformance Specification, Part 2 – ICS Implementation Conformance Statement

'Maps protocol test cases to the relevant UE capabilities'

6 CRs to 34.123-2 presented in TP-000219 for approval!

All of the CRs are 'trivial' because this specification now only follows changes introduced into 34.123-1

Specification status

34.123-3 - User Equipment (UE) Conformance Specification, Part 3 – Abstract test suites

'TTCN test specifications for the test cases described in part 1'

The TTCN is a 'programming language' used for describing test cases in a unique way, it can be compiled and run on PC or test equipment(system simulator).

General TTCN implementation status

Overall Status:
Syntax work ongoing, but stabilizing, 105 TTCN test cases drafted. Can be obtained from MCC!

Detailed report of the status of the TTCN project team(160) and of the implementation of the TTCN can be found in TP-000214 and is presented by MCC.

Members of TSG-T1 are generally still not ready to do verification work.
The required logistics will be evaluated by TSG-T1/SIG and MCC until the next TSG-T meeting.

Overview of the drafted of re'99 TCs

	Dec.	March v1	June v3	Sep v3.1
Idle mode	0	0	16	19
Voice call	109	280	351	351
CS data/Fax	0	35	50	50
Auto-calling	1	3	3	3
SMS (PP/CB)	0	10	16	30
GSM/3G HO	0	0	0	25
PS data	0	18	40	134
Total	110	346	476	612

Recorded delays are due to: changes in core specifications and initial problems defining syntax. Verification no longer visible on Time schedule!

Resource situation:

TSG-T1 is slowly realizing that no contributions can be expected on a voluntary basis from member companies. Around 100 TCs will be missing - MCC estimates the required mm to 18. To have TCs implemented ASAP, TSG-T1 proposes a re-allocation of 2002 resources.

Also the lasting update and changing of the core specifications is leading to that an unexpected large amount of time is being spend maintaining already implemented TCs. MCC estimates the required mm to 8. This is a new task. TSG-T is asked to advice on how to handle this.

Estimates for delivery and funding for rel4 and rel5 will be provided at next TSG-T meeting by MCC.

Specification status

34.124 - Electro-Magnetic Compatibility (EMC) for Terminal equipment

'Contains a superset of regulatory EMC requirements for 3G terminals as we know them'.

One editorial CR to 34.124 is presented in TP-000222 for approval!

Maintenance of the 2 EMC documents will now be taken over by RAN4.

Specification status

34.926 - Electro-Magnetic Compatibility (EMC) Table of International requirements for Mobile terminals and ancillary equipment

'This report shows in tabular form all current regulatory and voluntary requirements by region or nation'

The document is now stable and does not require much maintenance.

Presented for approval as version 4 in TP-000221 and is ready to be transferred to RAN4.

Specification status

34.910 - 'Identification of Test requirements for regulatory purposes in different regions/countries'

TSG-T1 has elaborated a list of so far identified test cases. Test cases have been assigned initial priority and SDOs have been invited to comment.

ARIB has provided initial input from Japanese Ministry of P&T, regarding requirements on 3G terminals.
Presented for information as version 1 in TP-000220.
34.910 aims to eventually accumulate similar input from other 3G regions.

V1 November'00 (not part of rel'99)
V4 March'01

Current TSG-T1 internal issues for information of the TSG-T: (1)

Measurements uncertainty
Discussions have been referred to RAN4. Ad hoc meeting held - and considerations send to RAN4. Any option RAN4 may select can be implemented by T1.
There seem to be some confusion in the time schedule for the definition of these values. T1 is inquiring ETSI/ARIB for confirmation. LS in TP-000233 (for information)!

Current TSG-T1 internal issues for information of the TSG-T: (2)

Workplan
The definition of a work program including work tasks for release 4 is going on.
Work tasks for rel4 will be linked to tasks in the core groups.
Will be presented as part of the general workplan by MCC.

Testing of Applications
LS presented in TP-000223 asks for clarification regarding responsibility for testing of higher layer functions like MExE, OSA, IP,.....

Vocabulary
LS on Vocabulary for 3GPP Specifications in TP-000232 (for Information)

GERAN4 interface clarifications

T1 and GERAN4 are clarifying how to split responsibility Handover and NAS tests.

LS to G4 in TP-000234 on handling of test cases for HO between GSM and UTRAN (for information)

LS from G4 to T1 in TP-000235 on handling of test cases for HO between GSM and UTRAN (for information)
LS from G4 to T1 in TP-000236 on handling of duplication of NAS test cases (for information)

The LSs from GERAN 4 have not yet been seen by TSG-T1.

TSG-T1 Meeting schedule for 2000/2001

3GPPT1#10-/RF/SIG	5 - 9 February 2001	Qualcomm, Munich
3GPPT1#11-/RF/SIG	14 -18 May 2001	NEC, Australia
3GPPT1#12-/RF/SIG	3 - 7 Sep 2001	Samsung, Korea
3GPPT1#13-/RF/SIG	26 - 30 Nov 2001	T1P1, US

Input documents to TSG-T :

T1 Status report (this report)	TP-000212 Presentation
T1 minutes of T1 meeting#8,	TP-000213 Information
CRs to 34.108	TP-000215 Approval
CRs to 34.121	TP-000216 Approval
CRs to 34.122	TP-000217 Approval
CRs to 34.123-1	TP-000218 Approval
CRs to 34.123-2	TP-000219 Approval
CRs to 34.124	TP-000222 Approval
34.910, version 1.0.0	TP-000220 Information
34.926 - EMC table, v2	TP-000221 Approval - R4
LS on Vocabulary for 3GPP Specifications	TP-000232 Information
LS on Urgency on resolving the measurement uncertainty in34.121	TP-000233 Information
LS regarding testing of applications	TP-000223 Information
Status of Project teams(160 &161)	TP-000214 Information
GERAN4 issues	
LS to G4 on handling of test cases for intersystem handover between GSM and UTRAN	TP-000234 Information
LS from G4 to T1 on handling of test cases for intersystem handover between GSM and UTRAN	TP-000235 Information
LS from G4 to T1 on handling of duplication of NAS test cases	TP-000236 Information