Source: **TSG T WG1**

Title: **T1 Status report**

Agenda item: **6.1**

Document for: **Presentation**

3GPP
TSG-T meeting #6
Sophia-Antipolis, France, 13-15 December 1999

*Document **TSGT#6(99)244***

Chairman's Status report

for TSG-T1

(Conformance Test Specification)

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- The T1 plenary group met once and the 3 Sub Working Groups twice since the last TSG-T meeting

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- The last TSG-T1 meeting was held in Sophia-Antipolis, France and was hosted by ETSI.
The minutes can be found in Tdoc : TP-99245

- This report contains the status of the deliverables and touches upon a few items of discussion.

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

- All Rel'99 submission forms have been collected in TP-99261

Schedule for Deliverables

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

*** NEW WI***

WI description in Tdoc TP-99246 for Approval

'TS 34.108 will contain 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.'

V1   March '00
V3   June '00 (part of release '99)

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Schedule for Deliverables

34.109 - Terminal Logical Test Interface;
Special conformance testing functions

Specifies terminal functions required for conformance testing purposes.

Please refer to T1-99163 for detailed status and work plan.

Has reached version 1.1.0. - proceeds according to schedule

V1 September'99
V3 June'00

Schedule for Deliverables

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.'

We normally have a 3 months delay compared to core specifications. Many of the RAN documents are undergoing substantial changes and 34.121 can therefore not be stabilized for another 3 months. Detailed report in Tdoc T1-99151 - TSG-T1/SWG RF status report)
Hence a 3 months delay!

V1 June'99
V3 December'99 moves to March '00

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Schedule for Deliverables

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.'

Work has been accelerated and can now be part of rel'99!
Contributions basically only from one company -
hence a relative high risk schedule! More resources required!

Version 1.0.0 presented for information in TP-99247.

V1   December'99
V3   June'00   (moved forward to be included in rel'99!)

Schedule for Deliverables

34.123-1   -   UE Conformance
                            Specification, Part 1 –
                            Conformance specification

'Contains a prose description of the test cases'.
Version 1.0.0 presented for information in TP-99248.
To accelerate the implementation of test cases, last TSG-T
proposed an additional task team to support this activity.
Planned activities (without such a team!) are indicated on the
next page.

ToR for Test description Task team project plan in
TP-99260 for approval
V1   December'99
V3   June'00

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3G rel'99 functionality supported by TSG-T1 test cases
and TTCN descriptions (minimum set).
(as indicated at last TSG-T meeting Tdoc TP-99171)

Pure 3G environment
  Idle mode functions
  Voice call functions (incl. emergency call)
  Circuit switched data (up to 64 kb/s) + Fax
  Auto-calling (restrictions)
  SMS (PP & CB)

If sufficient contributions/ funding are received, we will
try to include also the Multi system (GSM/3G) support &
Packet data.
(assuming, of course, that none of the core
specifications are delayed)

Schedule for Deliverables

34.123-2   -   Mobile Station (MS) Conformance
                 Specification, Part 2 – ICS
                 Implementation Conformance Statement

'Contains a list of capabilities which can / should be implemented in a 3G terminal'

Version 1.0.0. Presented for information in TP-99249.

Work will be linked to T2's list of capabilities and we will use the terminology suggested by T2 (Mandatory / Essential /..).

V1   December'99
V3   June'00 (TR21.904 v3.0.0. is released in March'00)

Schedule for Deliverables

34.123-3 - Mobile Station (MS) Conformance
Specification, Part 3 –
Abstract test suites

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

TTCN Task team project/structure plan in Tdoc TP-99258
The start of the project is delayed of 3 months due to lack of funding.
ToR in Tdoc TP-99259

Framework and example test cases should be ready in June'99 to allow voluntary contributions.
Stable TTCN SW versions will be released as available.

V1 Sep'00 (at least 50% stable rel'99 test suites)
V3 March'01 (has not changed! - Part of rel'99)

Schedule for Deliverables

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

Version 1.0.0 approved and was presented at the previous
TSG-T meeting for information

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

Dependence on TS34.108.

V3   March'00

Schedule for Deliverables

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

This report will contain a list of the prioritized test cases identified by TSG1-T1. The input will come from the SDOs (or entities behind the SDOs)!
The LS prompting the SDOs for feedback, will be send out as soon as TSG-T1 prompting material has been stabilized.

Not much progress - awaiting stable list of test cases

V1   March'00   (Hence not part of rel'99)
V3   March'01

SONY

More issues for TSG-T to consider:

Audio testing:
TSG-T1 had a meeting with ETSI STQ. STQ and T1 agreed to establish a work relationship regarding Audio testing. Later, however, TSG-T1 was informed by SA4, that SA4 wishes to specify also the test specifications. T1 accepts this wish and assumes that SA4 and STQ hence after establish relevant work relation. A LS is sent to SA4 to clarify relationship.

None TSG-T1 test specifications:
How to relate to the test specifications from T3 (USIM) and SA4 (audio).
Test interfaces/environments and the format should common!

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Item to be discussed at coming T1 meetings - for information

• To assure common understanding regarding the intended use of the EMC documents

• How to format the ICS document (34.123-2) to assure easy use by manufacturer.

• To allow testing of different UE types some means must be provided (manual operator, physical connector, Bluetooth, over the air,...)
  - to e.g. for a test simulator to request a UE to initial a call or a service for testing purposes.

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Item to be discussed at coming T1 meetings(2)

Special issue concerning protocol testing:
As it is not feasible to test all possible configurations of
radio bearers it is essential to identify a representative set
of reference Radio Bearers for R99 conformance tests.
A LS will be send to relevant RAN, CN and T2 groups.

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TSG-T1 deliverable status list

		Rel'99
34.108 -	Common test Conditions (NEW)	June'00
34.109 -	Terminal Logical Test Interface	June'00
34.121 -	Radio performance (FDD)	March'00
34.122 -	Radio performance (TDD)	June'00
34.123-1 -	Conformance Specification	June'00
34.123-2 -	Implementation Conformance Statement	June'00
34.123-3 -	Abstract test suites (TTCN)	Mar'01
34.124 -	Electro-Magnetic Compatibility (EMC)	Mar'00
34.910 -	Test case priority list (v3 - March'01)	No

TP-99261 contains all rel'99 submission forms for approval!

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Meetings since last TSG-T meeting

3GPPT1 / ETSI STQ   20 October 1999   Bern
(ad hoc Audio issues)

3GPPT1-/RF/SIG/EMC   21 - 22 Oct 1999   Sophia Antipolis/Fr

3GPPT1-/RF/SIG/EMC   6 - 8 Dec 1999   Sophia-Antipolis/Fr
3GPPT1-#5   9 - 10 Dec 1999   Sophia-Antipolis/Fr

Meeting schedule for 2000 (not all SWG meetings are planned)

3GPPT1-/RF/SIG	24 - 25 Jan 2000	US (Anritsu)
3GPPT1-/RF/SIG/EMC	21 - 23 Feb 2000	Munich, Germany (R&S)
3GPPT1-#6	24 - 25 Feb 2000	Munich, Germany (R&S)
3GPPT1-/RF/SIG/EMC	5 - 7 June 2000	UK (Anritsu)
3GPPT1-#7	8 - 9 June 2000	UK (Anritsu)
3GPPT1-/RF/SIG/EMC	4 - 6 Sep 2000	Finland (Nokia)
3GPPT1-#8	7 - 8 Sep 2000	Finland (Nokia)
3GPPT1-/RF/SIG/EMC	13 - 15 Nov 2000	US (T1P1)
3GPPT1-#9	16 - 17 Nov 2000	US (T1P1)

Concept: SWG and T1 meet several week before a TSG-T meeting.
SWGs should meet at least once in between each T1/SWG meeting.

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Input documents to TSG-T :

T1 Status report (this report)	TP-99244 Presentation
T1 minutes of T1 meeting#5,	TP-99245 Information
New WI - 34.108	TP-99246 Approval
34.122 v1.0.0 presented in	TP-99247 Information
34.123-1 v1.0.0 presented in	TP-99248 Information
34.123-2 ICS v1.0.0. presented in	TP-99249 Information
TTCN Task team ToR in	TP-99259 Approval
TTCN Task team project plan in	TP-99258 Information
Test case Task team ToR in	TP-99260 Approval
TSG-T1 Release'99 submission forms	TP-99261 Approval

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