

Chairman's Status report  
for 3GPP TSG-T1  
(Conformance Test Specification)

- The T1 plenary group met once and the 3 Sub Working Groups twice since the last TSG-T meeting
- The last TSG-T1 meeting was held in Harpenden, UK and was hosted by Anritsu  
44 delegates, 77 input documents  
The minutes can be found in Tdoc : TP-000085
- This report contains the status of the TSG-T1 specifications and shortly describes current issues.
- Items for special TSG-T attention are marked in red

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## Schedule for Deliverables

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

'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.'

Version 2.0.0 approved for part of release '99.  
The contribution from GSMA ISG (Typical Radio Parameters version 1.2) will be evaluated and inserted via CR.

V1 March '00

V3 June '00 For version 3 approval in TP-000086

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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.

Test loops, Electrical MMI, functions allowing automated tests, ICC/SIM interface,...

RAN2 has reviewed this specification and their comments have been included. RAN2 is asked to take over the document in September (LS TP-000091).

The closing of the test loop depending on presence of a USIM was discussed again and will be included by September.

V1 September'99

V3 June'00 For approval as version 3 in TP-000087

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## 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.'

Due to continuous RAN activities on rel'99 (mostly TS 25.133), we foresee Change Requests to 34.121 at least until November.

CRs presented in TP-000090

V1 June'99  
V3 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.”*

However, the specification still suffers under lack of interest / resources! Other specifications still lack support for TDD (34.108 & 34.109).

Detailed Progress report in T1-000092

V1 December'99

V3 June'00 For version 3 approval in TP-000089

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## Schedule for Deliverables

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

‘Contains a prose description of the protocol test cases’.

**‘Many of the Release 99 core specifications are still undergoing significant changes. Despite this, the major parts of all the basic protocols are now covered in the current specification, at least to the same degree as for GSM.’**

V1 December'99

V3 June'00

For version 3 approval in TP-000088

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

Pure 3G environment (in FDD environment!):

-Idle mode functions		70%
-Voice call functions (incl. emergency call)		95%
-Circuit switched data (up to 64 kb/s) + Fax		95%
-Auto-calling (restrictions)		100%
-SMS (PP & CB)		95%
-GSM/3G support	(rest until end of year)	5%
-Packet data	(rest until end of year)	50%



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

	Section	Number of tests
6	Idle Mode	9
7	Layer 2	44
8	RRC	198
9	MM	31
10	CC	94
11	SM	18
12	GMM	62
13	General	3
14	Radio Bearer services	38
15	Supplementary Services	0
16	SMS	21
17	UE Features	3
	TOTAL	521

More than 1000 pages and 521 test cases. More than half built from scratch - rest based on GSM test cases.

## Schedule for Deliverables

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

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

A new scope / structure of the document must be discussed, as it is becoming increasingly difficult to use the document as intended.

Proposals for a new scope and structure will be presented by end of 2000.

V1 December'99

V3 November'00 (Delayed - originally June'00)

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## Schedule for Deliverables

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

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

Some delay possible due to late project start (late funding).  
High priority test cases will be processed first! Priority comes  
from members and eventually from feedback from SDOs.  
Input welcome!

V1 Sep'00

V3 March'01

## Status of the project teams(1):

The four experts composing Task 161 (prose) will work on the development of:

- (1) L2 PDCP & BMC,
- (2) L2 MAC,
- (3) Review and refine RRC test and
- (4) Intersystem HO (CS).

Some results are expected by June, with the completion of all the work by August.

Status of the project teams (2):

The six experts composing Task 160 (TTCN) will work on the development of ATS for (start mid July):

- (1) RRC elementary procedures, Idle Mode, Handover
- (2) L2/MAC, RLC,
- (3) MM & SMS, and
- (4) CC & General tests.

To ensure continuous work by the team, the phasing of the spend will be further evaluated by ETSI MCC and the OP meeting July.

Status of the project teams(3):

- Again it should noted that the Man Months estimated for the project teams only cover what can not be foreseen to be covered by contributions from the industry.

Voluntary contributions and involvement are therefore still required to meet schedules for both Prose and TTCN(25 mm) test cases descriptions.

- TTCN validation is out of scope of the Project team and must be undertaken by voluntary involvement from Industry through TSG-T1.

Will be initiated on the TSG-T1/SIG e-mail reflector.

**•Detailed status and plan in TP-000082, presented by ETSI MCC.**

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## Schedule for Deliverables

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

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

Specification must adjusted continuously to CISPR  
specifications.

V3

March'00

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## Schedule for Deliverables

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'

'Sections will be added for new regions or nations, which enter the 3GPP and have different requirements. It is the intention to reference global standards but where it is known that none exist then alternative standards mandated by the regional or national requirements will be quoted'.

V1 September'00

V3 December'00



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## Schedule for Deliverables

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.

SMG7 has provided its proposal for GSM test cases required to test conformance to the 'essential requirements' in the R&TTE directive in Europe. Similar input is expected from ETSI regarding regulatory approval of IMT2000 family members. ARIB will provide similar input.

34.910 will eventually accumulate these and other input.

V1 November'00 (not part of rel'99)

V3 March'01

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

An interface to the 'GSM Certification Forum' and GSM Association IMT2000 Steering Group (ISG) regarding conformance requirements for 3G UEs are being established. Program overview presented at last TSG-T1 meeting by Jonathan West, GSMA / GCF. It is, however, unclear how/when GCF will deal with 3G. Co-ordinated input from GCF, ISG and maybe GSMA NA would be appreciated.

Measurements uncertainty discussions have been referred to RAN4.

34.123-2 (ICS), the scope and structure must be reconsidered. The document cannot be based on 21.904 and maybe the original intention must be adjusted.

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

The definition of a work program including work tasks for release 2000. It was agreed that Mr George (T1 Vice chairman ) will interface to IGC.

Some active involvement from T1 is required in the future.

The chairmen of the T1 and Subgroups will come together with the SMG7 chairman to discuss the level of overlapping between the SMG7 and T1 specifications

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## TSG-T1 deliverable status list

	<b>Rel'99</b>
34.108 - Common test Conditions	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 (delayed due to re-structure)	Nov'00
34.123-3 - Abstract test suites (TTCN)	Mar'01
34.124 - Electro-Magnetic Compatibility (EMC)	March'00
34.910 - Test case priority list (v3 - March'01)	No
34.926 - Table of International requirements for Mobile terminals and ancillary equipment	No

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## TSG-T1 Meeting schedule for 2000/2001

<i>3GPPT1-/RF/SIG/EMC</i>	<i>28 - 30 Aug 2000</i>	<i>Finland (Nokia)</i>
<i>3GPPT1-#8</i>	<i>31 Aug - 1 Sep 2000</i>	<i>Finland (Nokia)</i>
<i>3GPPT1-/RF/SIG/EMC</i>	<i>13 - 15 Nov 2000</i>	<i>US (T1P1)</i>
<i>3GPPT1-#9</i>	<i>16 - 17 Nov 2000</i>	<i>US (T1P1)</i>
<i>3GPPT1-/RF/SIG/EMC</i>	<i>19 - 21 Feb 2001</i>	<i>Host needed</i>
<i>3GPPT1-#10</i>	<i>22 - 23 Feb 2001</i>	
<i>3GPPT1-/RF/SIG/EMC</i>	<i>14 -16 May 2001</i>	<i>Host needed</i>
<i>3GPPT1-#11</i>	<i>17 - 18 May 2001</i>	
<i>3GPPT1-/RF/SIG/EMC</i>	<i>10 -12 Sep 2001</i>	<i>Host needed</i>
<i>3GPPT1-#12</i>	<i>13 - 14 Sep 2001</i>	

Concept: SWG and T1 meet several weeks before a TSG-T meeting.

SWGs normally meet once in between each T1/SWG meeting (not reflected here!).

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Input documents to TSG-T :

T1 Status report (this report)  
T1 minutes of T1 meeting#7,

TP-000084 Presentation  
TP-000085 Information

34.108 v2.0.0 presentation  
34.109 v2.0.0 presentation  
LS to Ran2/cc to T - transfer of 34-109

TP-000086 **Approval**  
TP-000087 **Approval**  
TP-000091 Information

CR's to 34.121 presented in  
34.122 v2.0.0 presented in  
Progress report for 34.122

TP-000090 **Approval**  
TP-000089 **Approval**  
TP-000092 Information

34.123-1 v2.0.0 presentation  
Status of Project teams(160 &161)

TP-000088 **Approval**  
TP-000082 Information