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**3GPP**  
**TSG-T meeting #5**  
**Kyongju, Korea, 7- 8 October 1999**

*Document TSGT#5(99)167*

# Chairman's Status report

## for 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 Kobe, Japan and was hosted by HP.  
The minutes can be found in Tdoc : TP-99168
- This report contains the status of the deliverables and touches upon a few items of discussion.

## Schedule for Deliverables

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

Version 1.0.0 approved - Tdoc TP-99168 - for information  
(the format must updated - only editorial changes!)

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

When stable, it will included in the regulatory document  
34.110. (A new Work Item will be established to hold a  
permanent document accumulating region requirements)

Please evaluate and direct EMC questions/commons  
directly to the chairman Mr. Fenn

V3

March'00

## Schedule for Deliverables

34.123-1 - Mobile Station (MS) Conformance Specification, Part 1 - Conformance specification

'Contains a prose description of the test cases'.

Priority of test cases, see Tdoc TP-99171 (from T1/SIG)

Additional work being done on identifying corresponding core specifications and on identifying 'General tests' - like Idle mode, handover,...

The interface to the RF SWG should be defined better.  
(who makes which test specifications!)

V1 December'99

V3 July'00

## 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'

The information flow from the core specification to this document should be defined - who should update it?

What do mean, when we claim that a capability is mandatory? It gets confused with mandatory regarding type approval!

Work will be linked to T2's list of capabilities.

V1 December'99

V3 July'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'

It is being discussed which version of TTCN (v2, v2++ or v3)  
We may have to choose v3 to ensure 'survival' of the standards  
and tools over the next 10 years, but it the migration will be  
difficult. Special functions will have to be implemented.  
TSG-T1 SIG and ETSI MTS/PEX met 28 September to discuss  
this.

PCG has decided to fund the TTCN work by experts.

V1 July'00 (at least 50% stable regulatory test suites)  
V3 March'01

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## Schedule for Deliverables

34.109 - Logical Test Interface

Specifies terminal functions required for conformance testing purposes.

Major areas of discussion : reference environment, Test SIM (LS in Tdoc TP-99161) and EMMI.

Many areas depend on test final methodology .

Presented for information in Tdoc TP-99170

V1 September'99 (has been approved by e-mail)

V3 July'00

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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.'

Has reached v1.2.0.

34.121 is on track and should be ready for TSG-T approval in December and for a v3 inclusion in release '99.

V1 June'99

V3 December'99



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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.”

Little progress has been seen, delay may be seen.

Has reached v0.1.0.

V1 December'99

V3 December'00

## Schedule for Deliverables

34.110 - Terminal Conformance Specification,  
- Relevant for Regulatory use

'A superset of regulatory requirements from the relevant 3G regions.'

The document should be accepted as a global basis for regulatory approvals. Most region has, however, indicated no firm opinions regarding 3G regulatory approvals.

T1 needs guidance on how to establish a cooperation and thus hopefully a common understanding with the relevant entities.

First draft version has been seen (v0.0.1.). Several comments has been received from ARIB.

V1 March'00

V3 March'01

## Points of discussion

The terms Mobile Station, UE, Terminal,.. caused some discussion and confusion. What is the correct term, who defines the terms and where can it be found?

At some time later, we will have to tests regarding 'hooks and extensions'.

Who takes care of ANSI41, ...3GPP2 ?

Which other groups should liase with?  
(UMTS EP, GSM NA, GSM Association, UMTS Forum,...)

From a legal point of view, who drives the establishment of a common understanding regarding a regulatory regime?

## Other points of discussion

### Audio Testing

Audio testing may not be part of regulatory type approval. A unified way of evaluating audio (video) may be prove to be impossible.

Testing of speech (video) codecs may in the future be tested in the development labs of manufacturers only. Conformance will then be declared by manufacturers declarations. The Digital Analogue Interface (DAI) may then be obsolete.

If codecs must be tested - how to test?

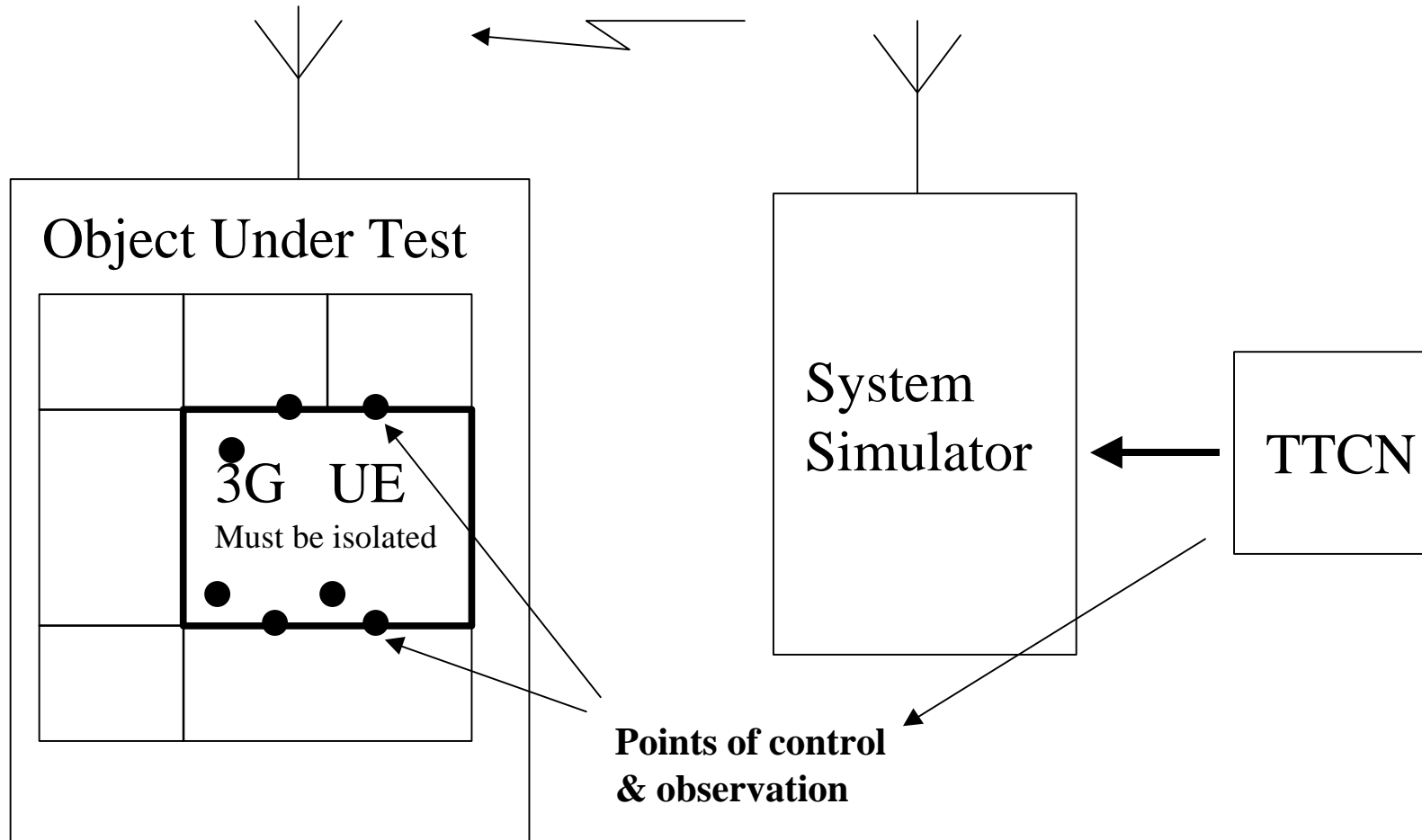
T1 is meeting ETSI STQ (Speech and transmission Quality) to establish a common understanding.

Item to be discussed at coming T1 meetings

Test philosophy -

- Can we assume a physical connector for all 3G equipment?
  - if not, should we then always use the air interface?
- The 3G equipment may be so deeply buried into other equipment, that it can not do 'stand alone' functions. (maybe no MMI, maybe only SMS function,...)
  - we may need functions to isolate specific 3G parts. (points of observation and evaluation!)
  - we may also need a complete capability inquiry (like a classmark!)

This may limit what can be tested, but will allow a common and automatic testing of 3G terminals.



## Points of Observation

We have noted(via e-mail) from the PCG#2 meeting:

- PCG requests T1 to make a super set of global regulatory requirements
- PCG has agreed the funding of TTCN, 10% (101kEuro) will be funded in 1999
- GSM North America wants to liase with T1 regarding regulatory requirements in US
- T1 can liase directly (via TSG-T) with 3GPP2 (who to contact?)

## Meetings since last TSG-T meeting

3GPPT1-/RF/SIG/EMC	29 - 30 July 1999	Edinburgh/UK
3GPPT1-/RF/SIG/EMC	13 - 14 Sep 1999	KOBE/JP
3GPPT1-#4	16 - 17 Sep 1999	KOBE/JP
3GPPT1-SIG / MTS/PEX (ad hoc - TTCN )	29 Sep 1999	Sophia Antipolis



## Meetings planned for the rest of 1999

3GPPT1 / ETSI STQ (ad hoc Audio issues)	20 October 1999	Bern
3GPPT1-/RF/SIG/EMC	21 - 22 Oct 1999	Sophia Antipolis
3GPPT1-/RFSIG/EMC	7 - 8 Dec 1999	Sophia Antipolis
3GPPT1-#5	9 - 10 Dec 1999	Sophia Antipolis

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

3GPPT1-/RF/SIG	24 - 25 Jan 2000	TBD
3GPPT1-/RF/SIG/EMC	6 - 8 Mar 2000	TBD (Maybe R&S in Munich)
3GPPT1-#6	9-10 Mar 2000	TBD (Maybe R&S in Munich)
3GPPT1-/RF/SIG/EMC	29 – 31 May 2000	TBD
3GPPT1-#7	1 – 2 Jun 2000	TBD
3GPPT1-/RF/SIG/EMC	18 – 20 Sep 2000	TBD
3GPPT1-#8	21 – 22 Sep 2000	TBD
3GPPT1-/RF/SIG/EMC	4 – 6 Dec 2000	TBD
3GPPT1-#9	7 – 8 Dec 2000	TBD

Concept: SWG and T1 meet the week between RAN4 and TSG-T. Co-located?  
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)

Tdoc TP-99167

T1 minutes of meeting, Kobe

Tdoc TP-99168 Information

34.124 - EMC v1.0.0

Tdoc TP-99169 Information

Priority of test cases for SIG

Tdoc TP-99171 Information

LS regarding work items  
USIM(UICC) and Test SIM

TP-99161 Confirmation

34.109 - Logical Test Interface  
v1.0.0

Tdoc TP-99170 Information