

**Source: TSG T WG1**  
**Title: TSG T1 R99 submission forms**  
**Agenda item: 6.3**  
**Document for: Approval**

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<b>Work Area / Item:</b>		UE Test specification 3G TS 34.108 Common Test Environments for User Equipment (UE) Conformance Testing			
<b>Affects:</b>	<b>UE/MS: Yes</b>	<b>CN: No</b>	<b>UTRAN: No</b>	<b>Compatibility Issues: Yes:</b>	<b>No: X</b>
<b>Expected Completion Date:</b>		June 2000			
<b>Services impacted:</b>		None			
<b>Specifications affected:</b>		TS 34.121, TS 34.123-1, TS 34.122, TS 34.124			
<b>Tasks within work which are not complete:</b>			First draft not available yet. Work item proposal presented at this meeting.		
<b>Consequences if not included in Release 1999:</b>			Not possible to perform conformance tests as specified in TS 34.121, TS 34.122, TS 34.123-1 and TS 34.124.		
<b>Accepted by TSG# 6 for late inclusion in Release 1999:</b>					

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**Abstract of document:**

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.

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**Contentious Issues:**

The content of this specification is directly related to common contents in RF and Signalling tests. (TS 34.123-1, TS 34.121 and TS 34.122).

<b>Work Area / Item:</b>		UE Test specification 3G TS 34.109 Terminal Logical Test Interface; Special conformance testing functions			
<b>Affects:</b>	<b>UE/MS: Yes</b>	<b>CN: No</b>	<b>UTRAN: No</b>	<b>Compatibility Issues: Yes:</b>	<b>No: X</b>
<b>Expected Completion Date:</b>		June 2000			
<b>Services impacted:</b>		None			
<b>Specifications affected:</b>		TS 34.121, TS 34.123-1, TS 34.122			
<b>Tasks within work which are not complete:</b>		Further work is mainly necessary in: <ul style="list-style-type: none"> <li>- Identifying and specifying special testing functions for signalling tests</li> <li>- Test loop definition (to be further detailed)</li> <li>- TDD test loop needs to be defined</li> </ul>			
<b>Consequences if not included in Release 1999:</b>		Not possible to perform conformance tests as specified in TS 34.121, TS 34.122 and TS 34.123-1.			
<b>Accepted by TSG#</b>		<b>6</b>	<b>for late inclusion in Release 1999:</b>		

**Abstract of document:**

The present document specifies for User Equipment (UE), for 3<sup>rd</sup> Generation WCDMA system, those ME functions which are required for conformance testing purposes (e.g. test loops). These functions are activated via the radio interface.

**Contentious Issues:**

The content of this specification is directly related to which testing functions are needed by RF and Signalling tests. (TS 34.123-1, TS 34.121 and TS 34.122).

No contributions have been submitted for TDD test functions.

<b>Work Area / Item:</b>		UE Test specification TS 34.121 Terminal Conformance Specification; Radio transmission and reception (FDD)				
<b>Affects:</b>	UE/MS: Yes	<b>CN:</b>	<b>UTRAN:</b>	<b>Compatibility Issues:</b>	<b>Yes:</b>	<b>No: X</b>
<b>Expected Completion Date:</b>		March '00				
<b>Services impacted:</b>		None				
<b>Specifications affected:</b>		None				
<b>Tasks within work which are not complete:</b>			<ol style="list-style-type: none"> <li>1. Transmitter Characteristics (open issues)</li> <li>2. Performance Requirements</li> </ol>			
<b>Consequences if not included in Release 1999:</b>			Some RF conformance tests will not be available.			
<b>Accepted by TSG</b>	<b>6</b>	<b>for late inclusion in Release 1999:</b>				

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**Abstract of document:**

Containing test specifications about

- 1) Transmitter Characteristics
- 2) Receiver Characteristics
- 3) Performance Requirements

Core specification for this document:

- 1) TS 25.101 UE Radio transmission and Reception (FDD)
- 2) TS 25.103 RF Parameters in Support of Radio Resource Management

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**Contentious Issues:**

- 1) Core specification for RRM is unstable. RAN WG4 decided the replacement of TS 25.103 with TS 25.133(new). The scope of TS 25.133 and its impact for TS 34.121 is unclear.

<b>Work Area / Item:</b>		UE Test specification TS 34.122 Terminal Conformance Specifications; Radio transmission and reception (TDD)				
<b>Affects:</b>	UE/MS: Yes	CN:	UTRAN:	Compatibility Issues:	Yes:	No: <b>X</b>
<b>Expected Completion Date:</b>		June '00				
<b>Services impacted:</b>		None				
<b>Specifications affected:</b>		None				
<b>Tasks within work which are not complete:</b>			<ol style="list-style-type: none"> <li>1. Performance Requirements</li> <li>2. Cell selection &amp; reselection testing, coverage of 25.123 core specifications</li> </ol>			
<b>Consequences if not included in Release 1999:</b>			Some RF conformance tests will not be available.			
<b>Accepted by TSG</b>	<b>6</b>	<b>for late inclusion in Release 1999:</b>				

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**Abstract of document:**

Terminal Conformance Specifications; Radio transmission and reception (TDD)

Containing test specifications about

- Transmitter Characteristics
- Receiver Characteristics
- Performance Requirements

Core specification for this document are:

- TS25.102 (UTRA (UE) Radio Transmission and Reception)
- TS 25.123 (Requirements for Support of Radio Resource Management (TDD))

Serving specifications for this document are:

- TS34.109 (Terminal logical test interface (FDD/TDD))
- TS 34.108 (Common Test Environment)

Peer specifications with respect to this document are:

- TS 34.121 (Terminal Conformance Specifications; Radio Transmission and Reception (FDD))
- TS 25.142 (Base Station Conformance Testing (TDD))
- TS 25.141 (Base Station Conformance Testing (FDD))

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**Contentious Issues:**

No serious contention issues are known.

The scope of the document, currently comprising

Transmitter Characteristics, Receiver Characteristics and Performance Requirements will be extended in future due to acceptance of TS 25.123 as a core specification.

**Release 1999 Submission form**

<b>Work Area / Item:</b>		UE Test specification TS 34.123-1 V1.0.0 User Equipment (UE) conformance specification. Part 1: Protocol conformance specification			
<b>Affects:</b>	UE/MS: <b>YES</b>	CN: <b>NO</b>	UTRAN: <b>NO</b>	Compatibility Issues: Yes: No: <b>X</b>	
<b>Expected Completion Date:</b>		<b>June 2000</b>			
<b>Services impacted:</b>		<b>None</b>			
<b>Specifications affected:</b>		<b>TS 34.123-2</b>			
<b>Tasks within work which are not complete:</b>			<b>Tasks are in various stages of completion. Detailed status report is attached</b>		
<b>Consequences if not included in Release 1999:</b>			<b>Interoperability of User Equipment</b>		
<b>Accepted by TSG# 6 for late inclusion in Release 1999:</b>					

**Abstract of document:**

This specification is the first part of a multi-part specification describing in prose a suite of conformance tests for 3<sup>rd</sup> Generation User Equipment (UE). The tests are intended to ensure that User Equipment for 3GPP systems conform to the relevant 3GPP Technical Specifications.

The other parts of the multi-part specification are TS 34.123-2, which contains a pro-forma for the Implementation Conformance Statement (ICS), and TS 34.123-3, which contains a detailed and executable description of the test cases written in a standard testing language, TTCN.

**Contentious Issues:**

Timely completion of this specification depends upon the availability of the core specifications for which it provides conformance tests.

Specifications with the largest impact are TS 24.008, TS 24.331, TS 24.321 and TS 24.322.

<b>Work Area / Item:</b>		UE Test Specification TS 34.123-2 User Equipment (UE) conformance specification. Part 2: ICS proforma specification			
<b>Affects:</b>	<b>UE/MS: Yes</b>	<b>CN: No</b>	<b>UTRAN: No</b>	<b>Compatibility Issues: Yes:</b>	<b>No: X</b>
<b>Expected Completion Date:</b>		June 00			
<b>Services impacted:</b>		None			
<b>Specifications affected:</b>		None			
<b>Tasks within work which are not complete:</b>			Further work is mainly necessary in: - Service capabilities - Service implementation capabilities  This work will be basically done following the work in TR 21.904.  The applicability table will be also completed with information from other T1 specifications.		
<b>Consequences if not included in Release 1999:</b>			Interoperability of User equipment.		
<b>Accepted by TSG# 6 for late inclusion in Release 1999:</b>					

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**Abstract of document:**

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a telecommunication specification. Such a statement is called an Implementation Conformance Statement (ICS).

The objective of TS 34.123-2 is to provide the ICS proforma for 3G User Equipment. This ICS is to be used for RF, protocol and EMC testing.

This TS directly depends on TR 21.904 that is being elaborated by TSG T WG2.

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**Contentious Issues:**

The content of this specifications is directly related to the content and stability of TR 21.904.



Release 1999 Submission form

<b>Work Area / Item:</b>		UE Test Specification TS 34.123-3 User Equipment (UE) conformance specification. Part 3: Abstract test suite			
<b>Affects:</b>	<b>UE/MS: YES</b>	<b>CN: NO</b>	<b>UTRAN: NO</b>	<b>Compatibility Issues: Yes:</b>	<b>No: X</b>
<b>Expected Completion Date:</b>		<b>March 2001</b>			
<b>Services impacted:</b>		<b>None</b>			
<b>Specifications affected:</b>		<b>None</b>			
<b>Tasks within work which are not complete:</b>			<b>Work not started.</b>		
<b>Consequences if not included in Release 1999:</b>			<b>Interoperability of User Equipment</b>		
<b>Accepted by TSG# 6 for late inclusion in Release 1999:</b>					

**Abstract of document:**

This specification is the third part of a multi-part specification containing abstract test suites (ATS), written in a standard testing language, TTCN, for conformance tests for 3<sup>rd</sup> Generation User Equipment (UE). The tests are intended to ensure that User Equipment for 3GPP systems conform to the relevant 3GPP Technical Specifications.

The other parts of the multi-part specification are TS 34.123-1, which contains a prose description of each test case, and TS 34.123-2, which contains a pro-forma for the Implementation Conformance Statement (ICS).

**Contentious Issues:**

Timely completion of this specification depends upon the availability of a funded team to provide key parts of the TTCN abstract test suite early in 2000.

**Release 1999 Submission form**

<b>Work Area / Item:</b>		UE Test Specification TS 34.124 Electro-Magnetic Compatibility (EMC) for Terminal equipment			
<b>Affects:</b>	UE/MS: <b>Yes</b>	<b>CN:</b>	<b>UTRAN:</b>	<b>Compatibility Issues:</b>	<b>Yes:</b> <b>No: X</b>
<b>Expected Completion Date:</b>		March 2000			
<b>Services impacted:</b>		None			
<b>Specifications affected:</b>		Not known			
<b>Tasks within work which are not complete:</b>			Editing, updating terminology, references etc. Referencing to generic call set-up procedures and changes in the document for alignment with TS 34.108.		
<b>Consequences if not included in Release 1999:</b>			?		
<b>Accepted by TSG#</b>		<b>6</b>	<b>for late inclusion in Release 1999:</b>		

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**Abstract of document:**

EMC testing of terminals.

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**Contentious Issues:**

Not known