

Source: TSG T WG1

Title: TS 34.123-1 v1.0.0
User Equipment (UE) conformance specification. Part 1:
Protocol conformance specification.

Agenda item: 6.3

Document for: Information

Presentation of Specification to TSG or WG

Presentation to: TSG T Meeting #6

Document for presentation: TS 34.123, Version 1.0.0

Presented for: Information

Abstract of document:

This specification is the first part of a multi-part specification describing in prose a suite of conformance tests for 3rd 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.

Changes since last presentation to TSG Meeting #:

First presentation

Outstanding Issues:

The test cases included in the specification are generally as complete as is practical, taking into account the status of the core 3GPP specifications the test case depends upon. These test cases will be revised once the release 99 version of the relevant core specification becomes available.

The test cases that are not yet included in the specification are scheduled for inclusion before June 2000.

A more detailed report of status is attached to this cover document.

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.

This table summarises the status of the test cases and other sections in TS 34.123-1 prior to submission to TSG-T1 for version 1.0.0 approval.

Clause # TS 34.123-1 V0.0.5	Title	Open issue	Proposed Actions before next version of TS 34.123-1 (v1.0.0)	Complete by
-	Introduction	Completed		
1	Scope	Completed		
2	References	Requires version numbers added. General maintenance	Update	V3
3	Definitions, symbols and abbreviations	Generate additional abbreviations when more complete test cases are added	Update	V3
4	Overview	Completed	None	
5	Reference Conditions	Generic setup section will be moved to TS 34.108 in January. For now they have been deleted and a reference to TS 34.109 added	None	
6	Idle mode operations	Core specifications not yet finalised	Update section after R99	V3
		Scenarios not covered by test cases. These are detailed in T1-iWD-001 Section 5.	None	
7	Layer 2	MAC tests drafted RLC tests drafted	Some tests still to be filled	V3
8	Layer 3	RRC tests are drafted MM tests are only transfer from GSM. GMM tests are not present CC tests have some modification from GSM: All GSM terminology is replaced with 3GPP (see T1S-99083). SM tests are transfers from GPRS with GSM terminology replaced with 3GPP. Structured procedures are transfers from GSM with terminology changed to 3GPP		
8.1	Radio Resource	Abnormal test cases may need to be added for RRC	Investigate	V3

Clause # TS 34.123-1 V0.0.5	Title	Open issue	Proposed Actions before next version of TS 34.123-1 (v1.0.0)	Complete by
	Control RRC	Connection Release		
		TCs do not include sections: Test Requirements, Definition and Applicability	Require contribution	V3
8.1.1.5	UE Capability	Needs to be filled	Require contribution	R2000
8.1.1.6	Direct Transfer	Normal case is implicitly tested.	Remove TC and replace with statement that this is implicitly tested	V1
		Abnormal cases may be needed	Investigate	V3
8.1.1.7	Security mode control	May need updating when the section is updated in RRC spec.	Update	V3
8.1.2	Radio Bearer control procedure	Should this section include tests to determine if the appropriate RB is setup for the Service being carried.	Investigate the possibility of having high level tests for establishment of different RBs. Focus this section on Failures/abnormal conditions	V3
		Test cases for DSCH and CPCH	Require contributions – put placeholder in.	V3
8.1.2.7	Physical Shared Channel Allocation[TDD only]	Will this be included in R99 of core specs?	Review after next SA meeting	SIG#8
8.1.2.8	PUSCH capacity request[TDD only]	Will this be included in R99 of core specs?	Review after next SA meeting	SIG#8
8.1.3	RRC connection mobility procedure			
8.1.3.1	Cell Update	Procedure needed for two cell case?	Require contribution	V3
		Test case for expiry of T357 (FFS in core spec)	Review after core spec is stable.	V3
8.1.3.2	URA Update	Requires further abnormal test cases (ref. 25.331/8.3.2.7)	Require contribution	V3
8.1.3.4	Active set update in soft handover	Requires further abnormal test cases (T360)	Require contribution	V3
8.1.3.5	Hard Handover	Are TCs required for intra- frequency hard handover?	Review after core spec is stable.	SIG#8

Clause # TS 34.123-1 V0.0.5	Title	Open issue	Proposed Actions before next version of TS 34.123-1 (v1.0.0)	Complete by
		Requires further abnormal test cases (T358)	Require contribution.	V3
		Requires further abnormal test cases (UE fails to perform handover)	Check if physical link failure TC covers this.	V3
8.1.3.6	Inter system hard handover to UTRAN	No test cases	Require contribution	R2000
8.1.3.7	Inter system hard handover from UTRAN	No test cases	Require contribution	R2000
8.1.3.8	Inter system cell reselection to UTRAN	No test cases	Require contribution	R2000
8.1.3.9	Inter system cell reselection from UTRAN	No test cases	Require contribution	R2000
8.2	Elementary procedures of mobility management	Core spec 24.008 is delayed	Leave TCs without modification until core spec is agreed (except see below)	V3
		GSM terminology used in TCs	Replace GSM terminology with 3GPP	SIG #8
8.3	Tests related to circuit switched call control	Core spec 24.008 is delayed	Leave TCs without modification until core spec is agreed	V3
8.4	Session Management	11.10 does not contain any TCs for Anonymous Access	Require contribution	R2000
		Change requests being submitted/processed for 11.10 by SMG7	Need to review how we handle SMG7 changes	SIG #8
		Core spec 24.008 is delayed	Leave TCs without modification until core spec is agreed	V3
8.5	GMM	Needs to be filled	Require contribution	R2000
8.6	Structured Procedures			
	Structured procedures / UE originated/terminated calls	This area may change. This cannot be determined until 24.008 is stable	Leave TCs without modification until core spec is agreed	V3
	Structured procedures /	Some terminology changes can	Complete terminology changes otherwise leave	SIG #8

Clause # TS 34.123-1 V0.0.5	Title	Open issue	Proposed Actions before next version of TS 34.123-1 (v1.0.0)	Complete by
	emergency call	be applied	until core spec is agreed	
8.7	Handling of unknown, unforeseen and erroneous layer 3 PDUs	Needs to have table of contents and be filled	Require contribution	V3
9.1	SMS	Transferred from 11.10 with changes to 3GPP terminology and references		
		Core specs: TS 23.040, TS 24.011 (point to point) TS 23.041, TS 24.012 (cell broadcast all delayed)	Leave TCs without modification until core specs are agreed	V3
9.2	Voice service	Needs table of contents and filling	Require contribution	V3
9.3	Circuit switched data services	Needs table of contents and filling	Require contribution	V3
10.	Autocalling restrictions	No transfer of GSM 02.07 to 3GPP yet	Extract key requirements from GSM 02.07 and place them in this section	V3
		11.10 tests do not reflect Japanese requirements	Gather Japanese regulatory requirements and ensure that tests are worst case.	V3
11	Speech quality	Current plan is that SA4 will deal with this	No action	
12	Speech transcoding functions	Current plan is that SA4 will deal with this	No action	
13.1	Low battery voltage detection	Is this needed	Debate this issue at next T1/SIG	SIG #8
14	General tests	To be filled	Require contribution	
-	General issues			