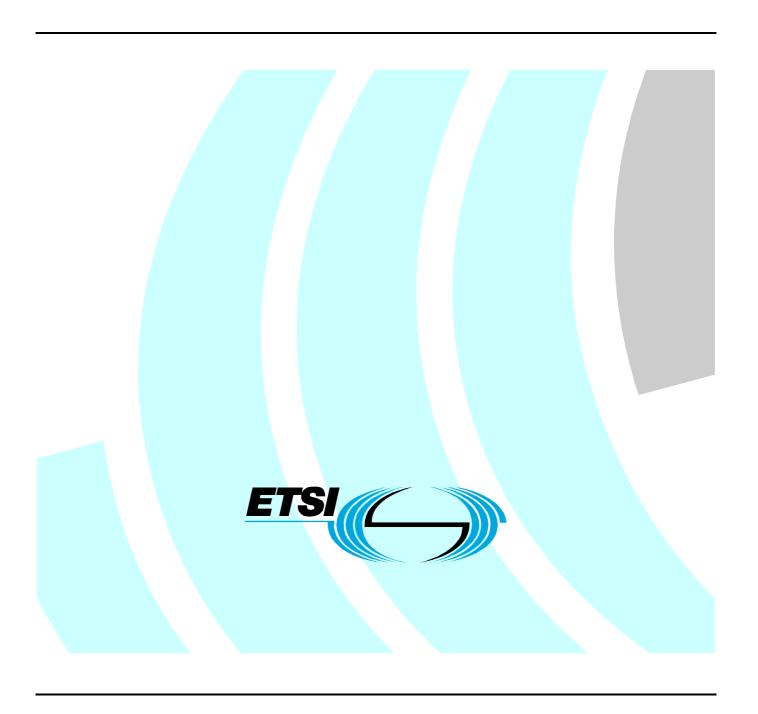# ETSI TS 102 230 V4.12.0 (2010-04)

Technical Specification

Smart Cards;
UICC-Terminal interface;
Physical, electrical and logical test specification
(Release 4)

Reference

RTS/SCP-00013v4c0

Keywords

smart card, testing

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Foreword

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The contents of the present document are subject to continuing work within TC SCP and may change following formal TC SCP approval. If TC SCP decide to modify the contents of the present document, it will be re-released by EP SPC with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

x   the first digit:

1   presented to TC SCP for information;

2   presented to TC SCP for approval;

3   or greater indicates TC SCP approved document under change control.

y   the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.

z   the third digit is incremented when editorial only changes have been incorporated in the document.

Introduction

The present document defines the interface tests for the Terminal/UICC interface.

The aim of the present document is to ensure interoperability between an UICC and a Terminal independently of the respective manufacturer, card issuer or operator.

Application specific tests for applications residing on an UICC are specified in TS 131 121 [4].

1 Scope

The present document specifies the interface test for the Terminal/UICC.

The present document specifies the tests of:

- physical characteristics of the UICC;

- the electrical interface between the UICC and the Terminal;

- the initial communication establishment and the transport protocols;

- the application independent procedures.

2 References

References are either specific (identified by date of publication and/or edition number or version number) or non-specific.

- For a specific reference, subsequent revisions do not apply.

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2.1 Normative references

The following referenced documents are indispensable for the application of the present document. For dated references, only the edition cited applies. For non-specific references, the latest edition of the referenced document (including any amendments) applies.

[1] Void.

[2] Void.

[3] Void.

[4] ETSI TS 131 121: "Universal Mobile Telecommunications System (UMTS); UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 Release 4)".

[5] ETSI TS 102 230: "Smart cards; UICC-Terminal interface; Physical, electrical and logical test specification (Release 5)".

2.2 Informative references

The following referenced documents are not essential to the use of the present document but they assist the user with regard to a particular subject area. For non-specific references, the latest version of the referenced document (including any amendments) applies.

Not applicable.

3 Definitions, symbols, abbreviations and coding conventions

Void

4 Requirements

All test cases are present in TS 102 230 [5].

Annex A:
Void

Annex B (informative):
Change history

The table below indicates all change requests that have been incorporated into the present document since it was created by TC SCP.

Change history								
Date	**Meeting**	**Doc**	**CR**	**Rev**	**Cat**	**Subject/Comment**	**Old**	**New**
2001-06	SCP#06	SCP-010156				TSG-T #11 agreed to transfer the contents of the test specification, 3GPP TS 31.120 to EP SCP. V1.0.0 is submitted to EP SCP for approval. It contains only editorial changes compared to 3GPP TS 31.120 V3.0.0.		1.0.0
2001-06	SCP#06	SCP-010194				Undoing a change regarding the coding conventions in clause 3.4.	1.0.0	1.0.1
2001-06	SCP#06	-				EP SCP agreed that V1.0.1 was ready to be put under change control. As a result, V3.0.0 was created.	1.0.1	3.0.0
2001-07	SCP#06	SCP-010193	001		B	Alignment with Rel-4 version of core specification (UICC current consumption values for 3 V and 1.8V).	3.0.0	4.0.0
		SCP-010200	002		F	Correction of ATR examples regarding DCB and T4.	3.0.0	4.0.0
2002-03	SCP#09	SCP-020052	003		F	Correction of Errors in UICC type recognition.	4.0.0	4.1.0
2003-01	SCP#12	SCP-030013	005		F	Correction of test on processing of ACK, NACK, NULL procedure bytes and correction of CHV.	4.1.0	4.2.0
		SCP-030062	006		D	Remove UICC as an abbreviation to align with 3GPP TR 21.905.		
2004-05	SCP#17	SCP-040283	009		A	Removal of test 6.4 and modification of the numbering order of electrical tests in clause 5.2.	4.2.0	4.3.0
		SCP-040286	012		A	Change of test 8.1 UICC presence detection.		
2004-09	SCP#18	SCP-040375	014		A	Removal of transmit for WWT exceeded in test 7.2.1 Timing.	4.3.0	4.4.0
		SCP-040378	017		A	Rename clause 8 to Application dependent procedures.		
2004-11	SCP#19	SCP-040488	019		A	Non-specific Referencing.	4.4.0	4.5.0
		SCP-040491	022		A	Modification of test 7.3.2 Block Timing.		
2005-06	SCP#21	SCP-050128	025		F	Correction of test case 7.3.9.	4.5.0	4.6.0
		SCP-050120	028		F	Correction of test case 7.3.11.		
		SCP-050185	031		F	Correction of references to ISO/IEC 7816.		
2005-09	SCP#22	SCP-050296	034		A	Change of internal references.	4.6.0	4.7.0
2006-03	SCP#25	SCP-060159	037		A	Removal of test case 5.1.5.5.	4.7.0	4.8.0
2007-01	SCP#29	SCP-070061	040		A	Essential correction of "Chaining - IFSD management" test case	4.8.0	4.9.0
		SCP-070064	043		A	Essential correction of UICC presence detection test		
2008-07	SCP#37	SCP-080337	044		A	Essential correction of the test case applicability for terminals not supporting speech calls	4.9.0	4.10.0
			046		A	Essential correction of ATR coding		
2008-10	SCP#39	SCP-080414	049		A	Essential correction of TC 8.1 applicability	4.10.0	4.11.0
2010-03	SCP#44	SCP(10)0063	058		F	Deletion of REL-4 content of TS 102 230	4.11.0	4.12.0

History

Document history		
V4.0.0	July 2001	Publication
V4.1.0	April 2002	Publication
V4.2.0	February 2003	Publication
V4.3.0	June 2004	Publication
V4.4.0	September 2004	Publication
V4.5.0	December 2004	Publication
V4.6.0	July 2005	Publication
V4.7.0	October 2005	Publication
V4.8.0	May 2006	Publication
V4.9.0	February 2007	Publication
V4.10.0	October 2008	Publication
V4.11.0	January 2009	Publication
V4.12.0	April 2010	Publication