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Technical Specification

3rd Generation Partnership Project;
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UICC-Terminal Interface;
Physical, electrical and logical test specification
(Release 11)

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Contents

Foreword

This Technical Specification (TS) has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG 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 TSG for information;

2 presented to TSG for approval;

3 or greater indicates TSG 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 document TS 31.121 [2].

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

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

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

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

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1]   ETSI TS 102 230 V7.0.0: "Smart cards; UICC-Terminal interface; Physical, electrical and logical test specification".

[2]   3GPP TS 31.121: "UICC-terminal interface; USIM Application Test Specification".

3 Definitions, symbols, abbreviations and coding

All definitions, symbols, abbreviations and coding conventions applicable to the terminal are specified in ETSI TS 102 230 [1].

4 Physical Characteristic Tests

All tests within the scope of this clause are specified in ETSI TS 102 230 [1].

5 Electrical Characteristic Tests

All tests within the scope of this clause are specified in ETSI TS 102 230 [1].

6 Initial Communication Tests

All tests within the scope of this clause are specified in ETSI TS 102 230 [1].

7 Transmission Protocol Tests

All tests within the scope of this clause are specified in ETSI TS 102 230 [1].

8 Application independent procedures

All tests within the scope of this clause are specified in ETSI TS 102 230 [1].

Annex A (normative):
UICC simulator functional requirement

All requirements within the scope of this clause are specified in ETSI TS 102 230 [1].

Annex B (informative):
Change history

Change history								
Date	**TSG #**	**TSG Doc**	**CR**	**Rev**	**Cat**	**Subject/Comment**	**Old**	**New**
2000-12	TP-10	TP-000204				Final draft w as approved at TSG-T #10	2.0.0	3.0.0
2004-12	TP-26	TP-040262	001		F	Alignment to ETSI TS 102 230	3.0.0	3.1.0
2004-12	TP-26					Upgrade to Rel-6	5.0.0	6.0.0
2007-06	CT-36	-	-	-	-	Upgrade to Rel-7 (MCC)	6.0.0	7.0.0
2008-12	CT-42	-	-	-	-	Upgrade to Rel-8 + addition of LTE logo	7.0.0	8.0.0
2009-12	CT-46	CP-091011	002	1	F	References update	8.0.0	8.1.0
2009-12	CT-46	-	-	-	-	Upgrade of the specification to Rel-9	8.1.0	9.0.0
2011-03	SP-51	-	-	-	-	Upgrade of the specification to Rel-10	9.0.0	10.0.0
2012-09	SP-57	-	-	-	-	Upgrade of the specification to Rel-11	10.0.0	11.0.0