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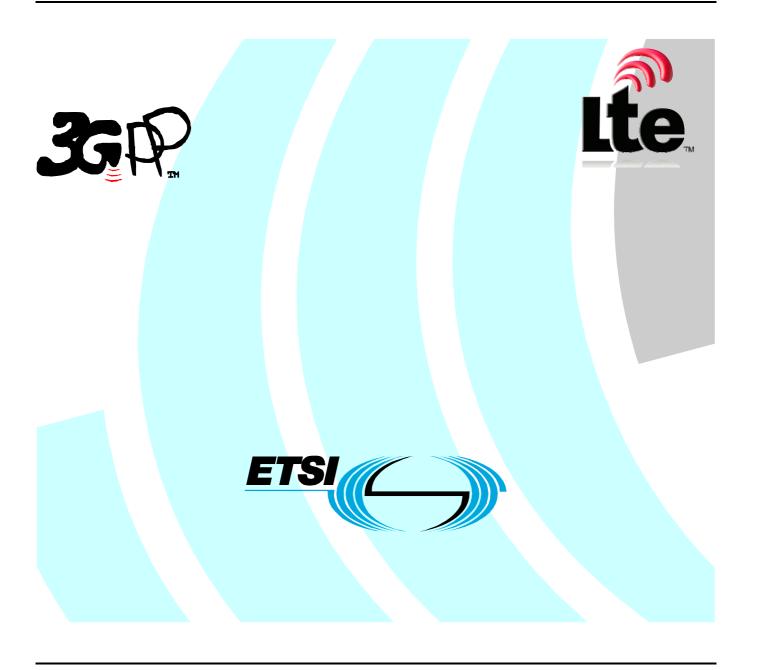
Technical Specification

**Universal Mobile Telecommunications System (UMTS);
LTE;
UICC-terminal interface;
Physical, electrical and logical test specification
(3GPP TS 31.120 version 9.0.0 Release 9)**

Reference
RTS/TSGC-0631120v900

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Contents

Foreword

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

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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 was 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

History

Document history		
V9.0.0	January 2010	Publication