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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 18.0.0 Release 18)

Reference

RTS/TSGC-0631120vi00

Keywords

LTE,UMTS

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Contents

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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.

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[1]   ETSI TS 102 230 V17.1.0: "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 [1].

4   Physical Characteristic Tests

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

5   Electrical Characteristic Tests

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

6   Initial Communication Tests

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

7 Transmission Protocol Tests

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

8 Application independent procedures

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

Annex A (normative):
UICC simulator functional requirement

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

Annex B (informative):
Change history

Change history							
Date	**Meeting**	**TDoc**	**CR**	**Rev**	**Cat**	**Subject/Comment**	**New version**
2000-12	TP-10	TP-000204				Final draft was approved at TSG-T #10	3.0.0
2004-12	TP-26	TP-040262	0001		F	Alignment to ETSI TS 102 230	3.1.0
2004-12	TP-26					Upgrade to Rel-6	6.0.0
2007-06	CT-36	-	-	-	-	Upgrade to Rel-7 (MCC)	7.0.0
2008-12	CT-42	-	-	-	-	Upgrade to Rel-8 + addition of LTE logo	8.0.0
2009-12	CT-46	CP-091011	0002	1	F	References update	8.1.0
2009-12	CT-46	-	-	-	-	Upgrade of the specification to Rel-9	9.0.0
2011-03	SP-51	-	-	-	-	Upgrade of the specification to Rel-10	10.0.0
2012-09	SP-57	-	-	-	-	Upgrade of the specification to Rel-11	11.0.0
2014-10	SP-65	-	-	-	-	Upgrade of the specification to Rel-12	12.0.0
2015-12	SP-70	-	-	-	-	Upgrade of the specification to Rel-13	13.0.0
2017-03	SA-75-	-	-	-	-	Automatic upgrade to Rel-14	14.0.0
2018-07	SA-80	-	-	-	-	Automatic upgrade to Rel-15	15.0.0
2020-07	CT#88e	-	-	-	-	Update to Rel-16 version (MCC)	16.0.0
2022-04	-	-	-	-		Update to Rel-17 version (MCC)	17.0.0
2024-03	CT#103	CP-240148	0004			TS 31.120 alignment to ETSI Release 17	18.0.0

History

Document history		
V18.0.0	May 2024	Publication