

ETSI TS 131 120 V13.0.0 (2016-02)



**Universal Mobile Telecommunications System (UMTS);
LTE;
UICC-terminal interface;
Physical, electrical and logical test specification
(3GPP TS 31.120 version 13.0.0 Release 13)**



Reference

RTS/TSGC-0631120vd00

Keywords

LTE,UMTS

ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

Important noticeThe present document can be downloaded from:
<http://www.etsi.org/standards-search>

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the only prevailing document is the print of the Portable Document Format (PDF) version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at
<http://portal.etsi.org/tb/status/status.asp>

If you find errors in the present document, please send your comment to one of the following services:
<https://portal.etsi.org/People/CommitteeSupportStaff.aspx>

Copyright Notification

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2016.
All rights reserved.

DECT™, **PLUGTESTS™**, **UMTS™** and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members.
3GPP™ and **LTE™** are Trade Marks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.
GSM® and the GSM logo are Trade Marks registered and owned by the GSM Association.

Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: *"Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards"*, which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<https://ipr.etsi.org>).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

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

The present document may refer to technical specifications or reports using their 3GPP identities, UMTS identities or GSM identities. These should be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between GSM, UMTS, 3GPP and ETSI identities can be found under <http://webapp.etsi.org/key/queryform.asp>.

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

Contents

Intellectual Property Rights	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	4
Introduction	4
1 Scope	5
2 References	5
3 Definitions, symbols, abbreviations and coding.....	5
4 Physical Characteristic Tests.....	5
5 Electrical Characteristic Tests	5
6 Initial Communication Tests	5
7 Transmission Protocol Tests	6
8 Application independent procedures	6
Annex A (normative): UICC simulator functional requirement	7
Annex B (informative): Change history	8
History	9

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 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
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
2014-10	SP-65	-	-	-	-	Upgrade of the specification to Rel-12	11.0.0	12.0.0
2015-12	SP-70	-	-	-	-	Upgrade of the specification to Rel-13	12.0.0	13.0.0

History

Document history		
V13.0.0	February 2016	Publication