



**Universal Mobile Telecommunications System (UMTS);
LTE;
UICC-terminal interface;
Universal Subscriber Identity Module (USIM)
application test specification
(3GPP TS 31.121 version 14.6.0 Release 14)**

STANDARD PREVIEW
Full document available at:
<https://standards.1e1e.com/standards/sist/4722277b-0871-44c2-b116-887e8f0e8d0e/31-121-v14.6.0-201907>



ReferenceRTS/TSGC-0631121ve60

KeywordsLTE,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 notice

The 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 prevailing version of an ETSI deliverable is the one made publicly available in PDF format at www.etsi.org/deliver.

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

<https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx>

If you find errors in the present document, please send your comment to one of the following services:

<https://portal.etsi.org/People/CommiteeSupportStaff.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.

© ETSI 2019.

All rights reserved.

DECT™, **PLUGTESTS™**, **UMTS™** and the ETSI logo are trademarks of ETSI registered for the benefit of its Members.

3GPP™ and **LTE™** are trademarks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

oneM2M™ logo is a trademark of ETSI registered for the benefit of its Members and of the oneM2M Partners.

GSM® and the GSM logo are trademarks registered and owned by the GSM Association.

Intellectual Property Rights

Essential patents

IPRs essential or potentially essential to normative deliverables 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.

Trademarks

The present document may include trademarks and/or tradenames which are asserted and/or registered by their owners. ETSI claims no ownership of these except for any which are indicated as being the property of ETSI, and conveys no right to use or reproduce any trademark and/or tradename. Mention of those trademarks in the present document does not constitute an endorsement by ETSI of products, services or organizations associated with those trademarks.

Legal Notice

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. These shall be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between 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
Legal Notice	2
Modal verbs terminology.....	2
Foreword.....	20
Introduction	20
1 Scope	21
2 References	21
3 Definitions, symbols, abbreviations and coding.....	23
3.1 Definitions	23
3.2 Symbols.....	24
3.3 Abbreviations	24
3.4 Coding Conventions.....	26
3.5 Generic procedures for E-UTRAN/UTRAN/GERAN/IMS/NB-IoT	26
3.6 Applicability.....	27
3.6.1 Applicability of the present document	27
3.6.2 Applicability to terminal equipment	27
3.6.3 Applicability of the individual tests	27
3.7 Table of optional features.....	28
3.8 Applicability table	32
4 Default Values.....	69
4.1 Definition of default values for USIM-Terminal interface testing (Default UICC)	69
4.1.1 Values of the EF's (Default UICC)	69
4.1.1.1 EF _{IMSI} (IMSI)	69
4.1.1.2 EF _{AD} (Administrative Data)	69
4.1.1.3 EF _{LOCI} (Location Information)	69
4.1.1.4 EF _{Keys} (Ciphering and Integrity Keys)	70
4.1.1.5 EF _{KeysPS} (Ciphering and Integrity Keys for Packet Switched domain).....	70
4.1.1.6 EF _{ACC} (Access Control Class).....	70
4.1.1.7 EF _{FPLMN} (Forbidden PLMNs).....	70
4.1.1.8 EF _{UST} (USIM Service Table).....	70
4.1.1.9 EF _{EST} (Enable Service Table).....	71
4.1.1.10 EF _{ADN} (Abbreviated Dialling Number).....	71
4.1.1.11 EF _{PLMNWACT} (User Controlled PLMN Selector with Access Technology)	71
4.1.1.12 EF _{OPLMNWACT} (Operator Controlled PLMN Selector with Access Technology).....	72
4.1.1.13 Void.....	72
4.1.1.14 PIN	72
4.1.1.15 PIN2	73
4.1.1.16 Unblock PIN	73
4.1.1.17 Unblock PIN2	73
4.1.1.18 Other Values of the USIM	73
4.1.1.19 EF _{PSLOCI} (Packet Switch Location Information).....	73
4.1.1.20 Universal PIN.....	73
4.1.1.21 Unblock Universal PIN.....	74
4.2 Definition of FDN UICC.....	74
4.2.1 Values of the EF's (FDN UICC)	74
4.2.1.1 EF _{UST} (USIM Service Table)	74
4.2.1.2 EF _{EST} (Enable Service Table).....	74
4.2.1.3 F _{FDN} (Fixed Dialling Numbers).....	74
4.2.1.4 EF _{ECC} (Emergency Call Codes).....	75
4.2.1.5 Other Values of the USIM	75
4.3 Void.....	76
4.4 Definition of E-UTRAN/EPC UICC	76
4.4.1 EF _{UST} (USIM Service Table)	76

4.4.2	F _{EPSLOCI} (EPS Information)	76
4.4.3	EF _{PLMNwACT} (User Controlled PLMN Selector with Access Technology)	76
4.4.4	EF _{OPLMNwACT} (Operator Controlled PLMN Selector with Access Technology)	77
4.4.5	EF _{ACSGL} (Allowed CSG Lists)	78
4.4.6	EF _{CSTGT} (CSG Type)	78
4.4.7	EF _{HNB} (Home (e)NodeB Name)	80
4.4.8	EF _{EPSNSC} (EPS NAS Security Context)	81
4.5	Definition of E-UTRAN/EPC ISIM-UICC	82
4.5.1	Applications on the E-UTRAN/EPC ISIM-UICC	82
4.5.2	Default USIM values on E-UTRAN/EPC ISIM-UICC	82
4.5.3	Default ISIM values on E-UTRAN/EPC ISIM-UICC	82
4.5.3.1	EF _{AD} (Administrative Data)	82
4.5.3.2	EF _{IST} (ISIM Service Table)	82
4.5.3.3	EF _{IMPI} (IMS private user identity)	82
4.5.3.4	EF _{DOMAIN} (Home Network Domain Name)	83
4.5.3.5	EF _{IMPU} (IMS public user identity)	83
4.5.3.6	EF _{P-CSCF} (P-CSCF ADDRESS)	84
4.5.3.7	EF _{SMS} (Short Message Service)	84
4.5.3.8	EF _{SMSR} (Short message status reports)	84
4.5.3.9	EF _{SMSF} (Short message service parameters)	85
4.5.3.10	EF _{SMS} (SMS Status)	85
4.5.4	Default values at DF_TELECOM	85
4.5.4.1	EF _{PSISMSC} (Public Service Identity of the SM-SC)	85
4.6	Definition of ACSGL/OCSGL E-UTRAN/EPC UICC	86
4.6.1	EF _{UST} (USIM Service Table)	86
4.6.2	EF _{AD} (Administrative Data)	86
4.6.3	EF _{OCSGL} (Operator CSG Lists)	86
4.6.4	EF _{OCSGT} (Operator CSG Type)	87
4.6.5	EF _{OHNB} (Operator Home (e)NodeB Name)	88
4.7.1	Values of the EFs	90
4.7.1.1	EF _{UST} (USIM Service Table)	90
4.7.1.2	EF _{NASCONFIG} (Non Access Stratum Configuration)	90
5	Subscription related tests	97
5.1	IMSI / TMSI handling	97
5.1.1	UE identification by short IMSI	97
5.1.1.1	Definition and applicability	97
5.1.1.2	Conformance requirement	97
5.1.1.3	Test purpose	98
5.1.1.4	Method of test	98
5.1.1.4.1	Initial conditions	98
5.1.1.4.2	Procedure	98
5.1.1.5	Acceptance criteria	98
5.1.2	UE identification by short IMSI using a 2 digit MNC	98
5.1.2.1	Definition and applicability	98
5.1.2.2	Conformance requirement	99
5.1.2.3	Test purpose	99
5.1.2.4	Method of test	99
5.1.2.4.1	Initial conditions	99
5.1.2.4.2	Procedure	100
5.1.2.5	Acceptance criteria	100
5.1.3	UE identification by "short" TMSI	100
5.1.3.1	Definition and applicability	100
5.1.3.2	Conformance requirement	100
5.1.3.3	Test purpose	100
5.1.3.4	Method of test	101
5.1.3.4.1	Initial conditions	101
5.1.3.4.2	Procedure	101
5.1.3.5	Acceptance criteria	101
5.1.4	UE identification by "long" TMSI	102
5.1.4.1	Definition and applicability	102
5.1.4.2	Conformance requirement	102

5.1.4.3	Test purpose	102
5.1.4.4	Method of test	102
5.1.4.4.1	Initial conditions	102
5.1.4.4.2	Procedure.....	103
5.1.4.5	Acceptance criteria.....	103
5.1.5	UE identification by long IMSI, TMSI updating and key set identifier assignment.....	103
5.1.5.1	Definition and applicability.....	103
5.1.5.2	Conformance requirement.....	104
5.1.5.3	Test purpose	104
5.1.5.4	Method of test	104
5.1.5.4.1	Initial conditions.....	104
5.1.5.4.2	Procedure.....	105
5.1.5.5	Acceptance criteria.....	106
5.1.6	UE identification by short IMSI when accessing E-UTRAN/EPC.....	106
5.1.6.1	Definition and applicability.....	106
5.1.6.2	Conformance requirement.....	106
5.1.6.3	Test purpose	107
5.1.6.4	Method of test	107
5.1.6.4.1	Initial conditions.....	107
5.1.6.4.2	Procedure.....	107
5.1.6.5	Acceptance criteria.....	107
5.1.7	UE identification by short IMSI using a 2 digit MNC when accessing E-UTRAN/EPC	108
5.1.7.1	Definition and applicability.....	108
5.1.7.2	Conformance requirement.....	108
5.1.7.3	Test purpose	108
5.1.7.4	Method of test	108
5.1.7.4.1	Initial conditions.....	108
5.1.7.4.2	Procedure.....	109
5.1.7.5	Acceptance criteria.....	109
5.1.8	UE identification after changed IMSI with service "EMM Information" not available	109
5.1.8.2	Conformance requirement.....	109
5.1.8.3	Test purpose	110
5.1.8.4	Method of test	110
5.1.8.4.1	Initial conditions.....	110
5.1.8.4.2	Procedure.....	110
5.1.8.5	Acceptance criteria.....	110
5.1.9	UE identification by GUTI when using USIM with service "EMM Information" not available.....	111
5.1.9.2	Conformance requirement.....	111
5.1.9.3	Test purpose	111
5.1.9.4	Method of test	111
5.1.9.4.1	Initial conditions.....	111
5.1.9.4.2	Procedure.....	111
5.1.9.5	Acceptance criteria.....	112
5.1.10	UE identification by GUTI when using USIM with service "EMM Information" available.....	112
5.1.10.1	Definition and applicability.....	112
5.1.10.2	Conformance requirement.....	112
5.1.10.3	Test purpose	113
5.1.10.4	Method of test	113
5.1.10.4.1	Initial conditions.....	113
5.1.10.4.2	Procedure.....	113
5.1.10.5	Acceptance criteria.....	113
5.2	Access Control handling	114
5.2.1	Access Control information handling	114
5.2.1.1	Definition and applicability.....	114
5.2.1.2	Conformance requirement.....	114
5.2.1.3	Test purpose	115
5.2.1.4	Method of test	115
5.2.1.4.1	Initial conditions.....	115
5.2.1.4.2	Coding details.....	115
5.2.1.4.3	Procedure.....	116
5.2.1.5	Acceptance criteria.....	116
5.2.2	Access Control information handling for E-UTRAN/EPC.....	128

5.2.2.1	Definition and applicability.....	128
5.2.2.2	Conformance requirement.....	128
5.2.2.3	Test purpose	128
5.2.2.4	Method of test	128
5.2.2.4.1	Initial conditions.....	128
5.2.2.4.2	Coding details.....	129
5.2.2.4.3	Procedure.....	129
5.2.2.5	Acceptance criteria.....	129
6	Security related Tests	153
6.1	PIN handling	153
6.1.1	Entry of PIN.....	153
6.1.1.1	Definition and applicability.....	153
6.1.1.2	Conformance requirement.....	153
6.1.1.3	Test purpose	154
6.1.1.4	Method of test	154
6.1.1.4.1	Initial conditions.....	154
6.1.1.4.2	Procedure.....	154
6.1.1.5	Acceptance criteria.....	154
6.1.2	Change of PIN	154
6.1.2.1	Definition and applicability.....	154
6.1.2.2	Conformance requirement.....	154
6.1.2.3	Test purpose	154
6.1.2.4	Method of test	154
6.1.2.4.1	Initial conditions.....	154
6.1.2.4.2	Procedure.....	155
6.1.2.5	Acceptance criteria.....	155
6.1.3	Unblock PIN	155
6.1.3.1	Definition and applicability.....	155
6.1.3.2	Conformance requirement.....	155
6.1.3.3	Test purpose	155
6.1.3.4	Method of test	155
6.1.3.4.1	Initial conditions.....	155
6.1.3.4.2	Procedure.....	155
6.1.3.5	Acceptance criteria.....	156
6.1.4	Entry of PIN2.....	156
6.1.4.1	Definition and applicability.....	156
6.1.4.2	Conformance requirement.....	157
6.1.4.3	Test purpose	157
6.1.4.4	Method of test	157
6.1.4.4.1	Initial conditions.....	157
6.1.4.4.2	Procedure.....	157
6.1.4.5	Acceptance criteria.....	157
6.1.5	Change of PIN2	157
6.1.5.1	Definition and applicability.....	157
6.1.5.2	Conformance requirement.....	157
6.1.5.3	Test purpose	158
6.1.5.4	Method of test	158
6.1.5.4.1	Initial conditions.....	158
6.1.5.4.2	Procedure.....	158
6.1.5.5	Acceptance criteria.....	158
6.1.6	Unblock PIN2	158
6.1.6.1	Definition and applicability.....	158
6.1.6.2	Conformance requirement.....	158
6.1.6.3	Test purpose	159
6.1.6.4	Method of test	159
6.1.6.4.1	Initial conditions.....	159
6.1.6.4.2	Procedure.....	159
6.1.6.5	Acceptance criterias	160
6.1.7	Replacement of PIN.....	160
6.1.7.1	Definition and applicability.....	160
6.1.7.2	Conformance requirement.....	160

6.1.7.3	Test purpose	160
6.1.7.4	Method of test	160
6.1.7.4.1	Initial conditions	160
6.1.7.4.2	Procedure.....	160
6.1.7.5	Acceptance criteria.....	161
6.1.8	Change of Universal PIN.....	161
6.1.8.1	Definition and applicability.....	161
6.1.8.2	Conformance requirement.....	161
6.1.8.3	Test purpose	161
6.1.8.4	Method of test	162
6.1.8.4.1	Initial conditions.....	162
6.1.8.4.2	Procedure.....	162
6.1.8.5	Acceptance criteria.....	162
6.1.9	Unblock Universal PIN.....	162
6.1.9.1	Definition and applicability.....	162
6.1.9.2	Conformance requirement.....	162
6.1.9.3	Test purpose	162
6.1.9.4	Method of test	162
6.1.9.4.1	Initial conditions.....	162
6.1.9.4.2	Procedure.....	163
6.1.9.5	Acceptance criteria.....	163
6.1.10	Entry of PIN on multi-verification capable UICCs.....	163
6.1.10.1	Definition and applicability.....	163
6.1.10.2	Conformance requirement.....	163
6.1.10.3	Test purpose	163
6.1.10.4	Method of test	164
6.1.10.4.1	Initial conditions.....	164
6.1.10.4.2	Procedure.....	164
6.1.10.5	Acceptance criteria.....	164
6.1.11	Change of PIN on multi-verification capable UICCs.....	165
6.1.11.1	Definition and applicability.....	165
6.1.11.2	Conformance requirement.....	165
6.1.11.3	Test purpose	165
6.1.11.4	Method of test	165
6.1.11.4.1	Initial conditions.....	165
6.1.11.4.2	Procedure.....	166
6.1.11.5	Acceptance criteria.....	166
6.1.12	Unblock PIN on multi-verification capable UICCs	166
6.1.12.1	Definition and applicability.....	166
6.1.12.2	Conformance requirement.....	166
6.1.12.3	Test purpose	167
6.1.12.4	Method of test	167
6.1.12.4.1	Initial conditions.....	167
6.1.12.4.2	Procedure.....	167
6.1.12.5	Acceptance criteria.....	168
6.1.13	Entry of PIN2 on multi-verification capable UICCs.....	168
6.1.13.1	Definition and applicability.....	168
6.1.13.2	Conformance requirement.....	168
6.1.13.3	Test purpose	169
6.1.13.4	Method of test	169
6.1.13.4.1	Initial conditions.....	169
6.1.13.4.2	Procedure.....	170
6.1.13.5	Acceptance criteria.....	170
6.1.14	Change of PIN2 on multi-verification capable UICCs	170
6.1.14.1	Definition and applicability.....	170
6.1.14.2	Conformance requirement.....	170
6.1.14.3	Test purpose	170
6.1.14.4	Method of test	170
6.1.14.4.1	Initial conditions.....	170
6.1.14.4.2	Procedure.....	171
6.1.14.5	Acceptance criteria.....	171
6.1.15	Unblock PIN2 on multi-verification capable UICCs.....	172

6.1.15.1	Definition and applicability.....	172
6.1.15.2	Conformance requirement.....	172
6.1.15.3	Test purpose	172
6.1.15.4	Method of test	172
6.1.15.4.1	Initial conditions.....	172
6.1.15.4.2	Procedure.....	173
6.1.15.5	Acceptance criterias	174
6.1.16	Replacement of PIN with key reference "07"	174
6.1.16.1	Definition and applicability.....	174
6.1.16.2	Conformance requirement.....	174
6.1.16.3	Test purpose	174
6.1.16.4	Method of test	174
6.1.16.4.1	Initial conditions.....	174
6.1.16.4.2	Procedure.....	175
6.1.16.5	Acceptance criteria.....	175
6.2	Fixed Dialling Numbers (FDN) handling.....	176
6.2.1	Terminal and USIM with FDN enabled, EF _{ADN} readable and updateable	176
6.2.1.1	Definition and applicability.....	176
6.2.1.2	Conformance requirement.....	176
6.2.1.3	Test purpose	176
6.2.1.4	Method of test	177
6.2.1.4.1	Initial conditions.....	177
6.2.1.4.2	Procedure.....	177
6.2.1.5	Acceptance criteria.....	178
6.2.2	Terminal and USIM with FDN disabled.....	178
6.2.2.1	Definition and applicability.....	178
6.2.2.2	Conformance requirement.....	178
6.2.2.3	Test purpose	178
6.2.2.4	Method of test	178
6.2.2.4.1	Initial conditions.....	178
6.2.2.4.2	Procedure.....	179
6.2.2.5	Acceptance criteria.....	179
6.2.3	Enabling, disabling and updating of FDN	179
6.2.3.1	Definition and applicability.....	179
6.2.3.2	Conformance requirement.....	179
6.2.3.3	Test purpose	179
6.2.3.4	Method of test	180
6.2.3.4.1	Initial conditions.....	180
6.2.3.4.2	Procedure.....	180
6.2.3.5	Acceptance criteria.....	180
6.2.4	Terminal and USIM with FDN enabled, EF _{ADN} readable and updateable (Rel-4 and onwards)	180
6.2.4.1	Definition and applicability.....	180
6.2.4.2	Conformance requirement.....	180
6.2.4.3	Test purpose	181
6.2.4.4	Method of test	181
6.2.4.4.1	Initial conditions.....	181
6.2.4.4.2	Procedure.....	181
6.2.4.5	Acceptance criteria.....	182
6.3	Void.....	182
6.4	Advice of charge (AoC) handling	182
6.4.1	AoC not supported by USIM	182
6.4.1.1	Definition and applicability.....	182
6.4.1.2	Conformance requirement.....	182
6.4.1.3	Test purpose	183
6.4.1.4	Method of test	183
6.4.1.4.1	Initial conditions.....	183
6.4.1.4.2	Procedure.....	183
6.4.1.5	Acceptance criteria.....	184
6.4.2	Maximum frequency of ACM updating.....	184
6.4.2.1	Definition and applicability.....	184
6.4.2.2	Conformance requirement.....	184
6.4.2.3	Test purpose	184

6.4.2.4	Method of test	184
6.4.2.4.1	Initial conditions	184
6.4.2.4.2	Procedure	185
6.4.2.5	Acceptance criteria	187
6.4.3	Call terminated when ACM greater than ACMmax	187
6.4.3.1	Definition and applicability	187
6.4.3.2	Conformance requirement	187
6.4.3.3	Test purpose	187
6.4.3.4	Method of test	188
6.4.3.4.1	Initial conditions	188
6.4.3.4.2	Procedure	188
6.4.3.5	Acceptance criteria	190
6.4.4	Response codes of increase command of ACM	190
6.4.4.1	Definition and applicability	190
6.4.4.2	Conformance requirement	191
6.4.4.3	Test purpose	191
6.4.4.4	Method of test	191
6.4.4.4.1	Initial conditions	191
6.4.4.4.2	Procedure	192
6.4.4.5	Acceptance criteria	194
7	PLMN related tests	195
7.1	FPLMN handling	195
7.1.1	Adding FPLMN to the Forbidden PLMN list	195
7.1.1.1	Definition and applicability	195
7.1.1.2	Conformance requirement	195
7.1.1.3	Test purpose	197
7.1.1.4	Method of test	197
7.1.1.4.1	Initial conditions	197
7.1.1.4.2	Procedure	198
7.1.1.5	Acceptance criteria	201
7.1.2	UE updating forbidden PLMNs	203
7.1.2.1	Definition and applicability	203
7.1.2.2	Conformance requirement	204
7.1.2.3	Test purpose	204
7.1.2.4	Method of test	204
7.1.2.4.1	Initial conditions	204
7.1.2.4.2	Procedure	205
7.1.2.5	Acceptance criteria	206
7.1.3	UE deleting forbidden PLMNs	206
7.1.3.1	Definition and applicability	206
7.1.3.2	Conformance requirement	207
7.1.3.3	Test purpose	207
7.1.3.4	Method of test	208
7.1.3.4.1	Initial conditions	208
7.1.3.4.2	Procedure	208
7.1.3.5	Acceptance criteria	209
7.1.4	Adding FPLMN to the forbidden PLMN list when accessing E-UTRAN	210
7.1.4.1	Definition and applicability	210
7.1.4.2	Conformance requirement	211
7.1.4.3	Test purpose	211
7.1.4.4	Method of test	211
7.1.4.4.1	Initial conditions	211
7.1.4.4.2	Procedure	212
7.1.4.5	Acceptance criteria	213
7.1.5	UE updating forbidden PLMNs when accessing E-UTRAN	213
7.1.5.1	Definition and applicability	213
7.1.5.2	Conformance requirement	213
7.1.5.3	Test purpose	214
7.1.5.4	Method of test	214
7.1.5.4.1	Initial conditions	214
7.1.5.4.2	Procedure	214

7.1.5.5	Acceptance criteria.....	214
7.1.6	UE deleting forbidden PLMNs when accessing E-UTRAN.....	215
7.1.6.1	Definition and applicability.....	215
7.1.6.2	Conformance requirement.....	215
7.1.6.3	Test purpose.....	215
7.1.6.4	Method of test.....	216
7.1.6.4.1	Initial conditions.....	216
7.1.6.4.2	Procedure.....	216
7.1.6.5	Acceptance criteria.....	216
7.1.7	Updating the Forbidden PLMN list after receiving non-integrity protected reject message – UTRAN.....	217
7.1.7.1	Definition and applicability.....	217
7.1.7.2	Conformance requirement.....	217
7.1.7.3	Test purpose.....	218
7.1.7.4	Method of test.....	218
7.1.7.4.1	Initial conditions.....	218
7.1.7.4.2	Procedure.....	218
7.1.7.5	Acceptance criteria.....	219
7.1.8	Updating the Forbidden PLMN list after receiving non-integrity protected reject message – E-UTRAN.....	219
7.1.8.1	Definition and applicability.....	219
7.1.8.2	Conformance requirement.....	219
7.1.8.3	Test purpose.....	220
7.1.8.4	Method of test.....	220
7.1.8.4.1	Initial conditions.....	220
7.1.8.4.2	Procedure.....	221
7.1.8.5	Acceptance criteria.....	221
7.2	User controlled PLMN selector handling.....	222
7.2.1	UE updating the User controlled PLMN selector list.....	222
7.2.1.1	Definition and applicability.....	222
7.2.1.2	Conformance requirement.....	222
7.2.1.3	Test purpose.....	222
7.2.1.4	Method of test.....	222
7.2.1.4.1	Initial conditions.....	222
7.2.1.4.2	Procedure.....	222
7.2.1.5	Acceptance criteria.....	222
7.2.2	UE recognising the priority order of the User controlled PLMN selector list with the same access technology.....	223
7.2.2.1	Definition and applicability.....	223
7.2.2.2	Conformance requirement.....	223
7.2.2.3	Test purpose.....	223
7.2.2.4	Method of test.....	223
7.2.2.4.1	Initial conditions.....	223
7.2.2.4.2	Procedure.....	224
7.2.2.5	Acceptance criteria.....	226
7.2.3	UE recognising the priority order of the User controlled PLMN selector list using an ACT preference.....	227
7.2.3.1	Definition and applicability.....	227
7.2.3.2	Conformance requirement.....	227
7.2.3.3	Test purpose.....	227
7.2.3.4	Method of test.....	227
7.2.3.4.1	Initial conditions.....	227
7.2.3.4.2	Procedure.....	227
7.2.3.5	Acceptance criteria.....	228
7.2.4	Void.....	228
7.2.5	UE updating the User controlled PLMN selector list for E-UTRAN.....	228
7.2.5.1	Definition and applicability.....	228
7.2.5.2	Conformance requirement.....	229
7.2.5.3	Test purpose.....	229
7.2.5.4	Method of test.....	229
7.2.5.4.1	Initial conditions.....	229
7.2.5.4.2	Procedure.....	229
7.2.5.5	Acceptance criteria.....	229

7.2.6	UE recognising the priority order of the User controlled PLMN selector list using an ACT preference- UTRAN/E-UTRAN	230
7.2.6.1	Definition and applicability.....	230
7.2.6.2	Conformance requirement.....	230
7.2.6.3	Test purpose	230
7.2.6.4	Method of test	230
7.2.6.4.1	Initial conditions.....	230
7.2.6.4.2	Procedure.....	231
7.2.6.5	Acceptance criteria.....	231
7.2.7	UE recognising the priority order of the User controlled PLMN selector list using an ACT preference- GSM/E-UTRAN	231
7.2.7.1	Definition and applicability.....	231
7.2.7.2	Conformance requirement.....	232
7.2.7.3	Test purpose	232
7.2.7.4	Method of test	232
7.2.7.4.1	Initial conditions.....	232
7.2.7.4.2	Procedure.....	232
7.2.7.5	Acceptance criteria.....	232
7.3	Operator controlled PLMN selector handling	238
7.3.1	UE recognising the priority order of the Operator controlled PLMN selector list.....	238
7.3.1.1	Definition and applicability.....	238
7.3.1.2	Conformance requirement.....	238
7.3.1.3	Test purpose	238
7.3.1.4	Method of test	238
7.3.1.4.1	Initial conditions.....	238
7.3.1.4.2	Procedure.....	240
7.3.1.5	Acceptance criteria.....	241
7.3.2	UE recognising the priority order of the User controlled PLMN selector over the Operator controlled PLMN selector list.....	242
7.3.2.1	Definition and applicability.....	242
7.3.2.2	Conformance requirement.....	242
7.3.2.3	Test purpose	242
7.3.2.4	Method of test	243
7.3.2.4.1	Initial conditions.....	243
7.3.2.4.2	Procedure.....	244
7.3.2.5	Acceptance criteria.....	245
7.3.3	UE recognising the priority order of the Operator controlled PLMN selector list when accessing E-UTRAN	246
7.3.3.1	Definition and applicability.....	246
7.3.3.2	Conformance requirement.....	246
7.3.3.3	Test purpose	246
7.3.3.4	Method of test	246
7.3.3.4.1	Initial conditions.....	246
7.3.3.4.2	Procedure.....	248
7.3.3.5	Acceptance criteria.....	248
7.3.4	UE recognising the priority order of the User controlled PLMN selector over the Operator controlled PLMN selector list – E-UTRAN.....	249
7.3.4.1	Definition and applicability.....	249
7.3.4.2	Conformance requirement.....	249
7.3.4.3	Test purpose	249
7.3.4.4	Method of test	249
7.3.4.4.1	Initial conditions.....	249
7.3.4.4.2	Procedure.....	250
7.3.4.5	Acceptance criteria.....	250
7.4	Higher priority PLMN search handling.....	262
7.4.1	UE recognising the search period of the Higher priority PLMN	262
7.4.1.1	Definition and applicability.....	262
7.4.1.2	Conformance requirement.....	262
7.4.1.3	Test purpose	263
7.4.1.4	Method of test	263
7.4.1.4.1	Initial conditions.....	263
7.4.1.4.2	Procedure.....	263

7.4.1.5	Acceptance criteria.....	266
7.4.2	GSM/UmTS dual mode UEs recognising the search period of the Higher priority PLMN.....	267
7.4.2.1	Definition and applicability.....	267
7.4.2.2	Conformance requirement.....	267
7.4.2.3	Test purpose.....	267
7.4.2.4	Method of test.....	267
7.4.2.4.1	Initial conditions.....	267
7.4.2.4.2	Procedure.....	268
7.4.2.5	Acceptance criteria.....	270
7.4.3	UE recognising the search period of the Higher priority PLMN – E-UTRAN.....	270
7.4.3.1	Definition and applicability.....	270
7.4.3.2	Conformance requirement.....	271
7.4.3.3	Test purpose.....	271
7.4.3.4	Method of test.....	271
7.4.3.4.1	Initial conditions.....	271
7.4.3.4.2	Procedure.....	272
7.4.3.5	Acceptance criteria.....	272
7.4.4	E-UTRAN/EPC capable UEs recognising the search period of the Higher priority PLMN – GSM/E-UTRAN.....	273
7.4.4.1	Definition and applicability.....	273
7.4.4.2	Conformance requirement.....	273
7.4.4.3	Test purpose.....	273
7.4.4.4	Method of test.....	273
7.4.4.4.1	Initial conditions.....	273
7.4.4.4.2	Procedure.....	274
7.4.4.5	Acceptance criteria.....	275
7.4.5	E-UTRAN/EPC capable UEs recognising the search period of the Higher priority PLMN – UTRAN/E-UTRAN.....	275
7.4.5.1	Definition and applicability.....	275
7.4.5.2	Conformance requirement.....	275
7.4.5.3	Test purpose.....	275
7.4.5.4	Method of test.....	276
7.4.5.4.1	Initial conditions.....	276
7.4.5.4.2	Procedure.....	277
7.4.5.5	Acceptance criteria.....	277
7.5	Void.....	278
8	Subscription independent tests.....	278
8.1	Phone book procedures.....	278
8.1.1	Recognition of a previously changed phonebook.....	278
8.1.1.1	Definition and applicability.....	278
8.1.1.2	Conformance requirement.....	278
8.1.1.3	Test purpose.....	278
8.1.1.4	Method of test.....	278
8.1.1.4.1	Initial conditions.....	278
8.1.1.4.2	Procedure.....	279
8.1.1.5	Acceptance criteria.....	279
8.1.2	Update of the Phonebook Synchronisation Counter (PSC).....	280
8.1.2.1	Definition and applicability.....	280
8.1.2.2	Conformance requirement.....	280
8.1.2.3	Test purpose.....	280
8.1.2.4	Method of test.....	280
8.1.2.4.1	Initial conditions.....	280
8.1.2.4.2	Procedure.....	281
8.1.2.5	Acceptance criteria.....	281
8.1.3	Phonebook content handling.....	282
8.1.3.1	Handling of BCD number/ SSC content extension.....	282
8.1.3.1.1	Definition and applicability.....	282
8.1.3.1.2	Conformance requirement.....	282
8.1.3.1.3	Test purpose.....	282
8.1.3.1.4	Method of test.....	282
8.1.3.1.5	Acceptance criteria.....	285