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Universal Mobile Telecommunications System (UMTS);
LTE;
Universal Subscriber Identity Module (USIM)
Application Toolkit (USAT)
(3GPP TS 31.111 version 12.12.0 Release 12)**

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Contents

Intellectual Property Rights	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	11
1 Scope	12
2 References	12
3 Definitions, abbreviations and symbols	15
3.1 Definitions	15
3.2 Abbreviations	15
3.3 Symbols.....	15
4 Overview of USAT	16
4.1 Profile Download	16
4.2 Proactive UICC	16
4.3 Data download to UICC	16
4.4 Menu selection	16
4.5 Call control by USIM	16
4.6 MO Short Message control by USIM.....	16
4.7 Event download.....	16
4.8 Security	17
4.9 Multiple card	17
4.10 Timer Expiration	17
4.11 Bearer Independent Protocol	17
4.12 Description of the access technology indicator mechanism	17
4.13 Description of the network search mode mechanism	17
4.14 Geographical location discovery	17
4.15 Operation in reduced USAT capable terminals.....	17
4.16 Tag allocation guidelines.....	17
4.17 USAT over the AT interface	17
4.18 USAT facilities provided by eCAT clients.....	18
4.19 Negotiation of Poll Interval	18
4.20 ProSe usage information reporting	18
5 Profile download	18
5.1 Procedure.....	18
5.2 Structure and coding of TERMINAL PROFILE.....	18
5.3 Definition of display parameters in Profile download.....	23
6 Proactive UICC	23
6.1 Introduction	23
6.2 Identification of ME support	23
6.3 General procedure	23
6.4 Proactive UICC commands and procedures	23
6.4.1 DISPLAY TEXT	23
6.4.2 GET INKEY	23
6.4.3 GET INPUT.....	23
6.4.4 MORE TIME	23
6.4.5 PLAY TONE	24
6.4.6 POLL INTERVAL	24
6.4.7 REFRESH.....	24
6.4.7.1 EF _{IMSI} changing procedure	24
6.4.7.2 Generic Bootstrapping Procedure Request.....	24
6.4.7.3 EF _{UICCIARI} changing procedure	24
6.4.7.4 Steering of roaming and steering of roaming for I-WLAN procedure	25
6.4.8 SET UP MENU	25
6.4.9 SELECT ITEM.....	25

6.4.10	SEND SHORT MESSAGE	25
6.4.11	SEND SS	26
6.4.12	SEND USSD.....	27
6.4.12.1	MMI Mode.....	27
6.4.12.2	Application Mode	28
6.4.13	SET UP CALL.....	28
6.4.14	POLLING OFF.....	29
6.4.15	PROVIDE LOCAL INFORMATION.....	29
6.4.16	SET UP EVENT LIST.....	31
6.4.17	PERFORM CARD APDU.....	31
6.4.18	POWER OFF CARD.....	31
6.4.19	POWER ON CARD.....	31
6.4.20	GET READER STATUS.....	32
6.4.21	TIMER MANAGEMENT	32
6.4.22	SET UP IDLE MODE TEXT	32
6.4.23	RUN AT COMMAND	32
6.4.24	SEND DTMF.....	32
6.4.25	LANGUAGE NOTIFICATION	32
6.4.26	LAUNCH BROWSER	32
6.4.27	OPEN CHANNEL.....	32
6.4.27.1	OPEN CHANNEL related to CS bearer.....	32
6.4.27.2	OPEN CHANNEL related to GPRS/UTRAN packet service/E-UTRAN	32
6.4.27.3	OPEN CHANNEL related to local bearer.....	33
6.4.27.4	OPEN CHANNEL related to Default (network) Bearer	33
6.4.27.5	OPEN CHANNEL related to I-WLAN bearer	33
6.4.27.6	OPEN CHANNEL related to Terminal Server Mode	34
6.4.27.7	OPEN CHANNEL related to UICC Server Mode	34
6.4.27.8	OPEN CHANNEL for IMS.....	34
6.4.28	CLOSE CHANNEL.....	35
6.4.29	RECEIVE DATA	35
6.4.30	SEND DATA.....	35
6.4.31	GET CHANNEL STATUS	35
6.4.32	SERVICE SEARCH	35
6.4.33	GET SERVICE INFORMATION	35
6.4.34	DECLARE SERVICE	35
6.4.35	RETRIEVE MULTIMEDIA MESSAGE.....	36
6.4.36	SUBMIT MULTIMEDIA MESSAGE	36
6.4.37	DISPLAY MULTIMEDIA MESSAGE	36
6.4.38	SET FRAMES	36
6.4.39	GET FRAME STATUS.....	36
6.4.40	Geographical Location Request.....	36
6.4.41	ACTIVATE	37
6.4.42	CONTACTLESS STATE CHANGED	37
6.4.43	COMMAND CONTAINER	37
6.4.44	ENCAPSULATED SESSION CONTROL	37
6.5	Common elements in proactive UICC commands	37
6.5.1	Command number	37
6.5.2	Device identities	37
6.5.3	Alpha identifier	37
6.5.4	Icon identifiers.....	37
6.5.5	Text attribute.....	37
6.5.6	Frame identifier	37
6.6	Structure of proactive UICC commands	38
6.6.1	DISPLAY TEXT	38
6.6.2	GET INKEY	38
6.6.3	GET INPUT.....	38
6.6.4	MORE TIME.....	38
6.6.5	PLAY TONE	38
6.6.6	POLL INTERVAL	38
6.6.7	SET-UP MENU	38
6.6.8	SELECT ITEM.....	38
6.6.9	SEND SHORT MESSAGE	38

6.6.10	SEND SS	39
6.6.11	SEND USSD	39
6.6.12	SET UP CALL	39
6.6.13	REFRESH	39
6.6.14	POLLING OFF	39
6.6.15	PROVIDE LOCAL INFORMATION	40
6.6.16	SET UP EVENT LIST	40
6.6.17	PERFORM CARD APDU	40
6.6.18	POWER OFF CARD	40
6.6.19	POWER ON CARD	40
6.6.20	GET READER STATUS	40
6.6.21	TIMER MANAGEMENT	40
6.6.22	SET UP IDLE MODE TEXT	40
6.6.23	RUN AT COMMAND	40
6.6.24	SEND DTMF COMMAND	40
6.6.25	LANGUAGE NOTIFICATION	40
6.6.26	LAUNCH BROWSER	40
6.6.27	OPEN CHANNEL	41
6.6.27.1	OPEN CHANNEL related to I-WLAN Bearer	41
6.6.27.2	OPEN CHANNEL for IMS	41
6.6.28	CLOSE CHANNEL	41
6.6.29	RECEIVE DATA	42
6.6.30	SEND DATA	42
6.6.31	GET CHANNEL STATUS	42
6.6.32	SERVICE SEARCH	42
6.6.33	GET SERVICE INFORMATION	42
6.6.34	DECLARE SERVICE	42
6.6.35	RETRIEVE MULTIMEDIA MESSAGE	42
6.6.36	SUBMIT MULTIMEDIA MESSAGE	42
6.6.37	DISPLAY MULTIMEDIA MESSAGE	42
6.6.38	SET FRAMES	42
6.6.39	GET FRAMES STATUS	42
6.6.40	Geographical Location Request	42
6.6.41	ACTIVATE	42
6.6.42	CONTACTLESS STATE CHANGED	43
6.6.43	COMMAND CONTAINER	43
6.6.44	ENCAPSULATED SESSION CONTROL	43
6.7	Command results	43
6.8	Structure of TERMINAL RESPONSE	44
6.8.1	Command details	45
6.8.2	Device identities	45
6.8.3	Result	45
6.8.4	Duration	45
6.8.5	Text string	45
6.8.6	Item identifier	46
6.8.7	Local information	46
6.8.8	Call control requested action	46
6.8.9	Result data object 2	46
6.8.10	Card reader status	46
6.8.11	Card ATR	47
6.8.12	R-APDU	47
6.8.13	Timer identifier	47
6.8.14	Timer value	47
6.8.15	AT Response	47
6.8.16	Text string 2	47
6.8.17	Channel data	47
6.8.18	Channel status	47
6.8.19	Channel data length	47
6.8.20	Bearer description	47
6.8.21	Buffer size	47
6.8.22	Total Display Duration	47
6.8.23	Service Availability	47

6.8.24	Service Record.....	47
6.8.25	Other address (local address).....	47
6.8.26	Frames Information.....	48
6.9	Proactive UICC session and ME display interaction.....	48
6.10	Handling of unknown, unforeseen and erroneous messages.....	48
6.11	Proactive commands versus possible Terminal response.....	48
7	ENVELOPE Commands.....	49
7.1	Data download to UICC.....	49
7.1.1	SMS-PP data download.....	49
7.1.1.1	Procedure.....	49
7.1.1.2	Structure of ENVELOPE (SMS-PP DOWNLOAD).....	50
7.1.2	Cell Broadcast data download.....	50
7.1.2.1	Procedure.....	50
7.1.2.2	Structure of ENVELOPE (CELL BROADCAST DOWNLOAD).....	51
7.2	Menu Selection.....	51
7.3	Call Control and MO SMS control by USIM.....	52
7.3.1	Call Control by USIM.....	52
7.3.1.1	Procedure for mobile originated calls.....	52
7.3.1.2	Procedure for Supplementary Services and USSD.....	53
7.3.1.3	Indication to be given to the user.....	54
7.3.1.4	Interaction with Fixed Dialling Number.....	55
7.3.1.5	Support of Barred Dialling Number (BDN) service.....	55
7.3.1.6	Structure of ENVELOPE (CALL CONTROL).....	55
7.3.1.7	Procedure for PDP Context Activation.....	58
7.3.1.8	Procedure for EPS PDN connection Activation.....	58
7.3.1.9	Procedure for IMS communications establishment.....	59
7.3.2	MO Short Message Control by USIM.....	59
7.3.2.1	Description.....	59
7.3.2.2	Structure of ENVELOPE (MO SHORT MESSAGE CONTROL).....	60
7.3.2.3	Indication to be given to the user.....	61
7.3.2.4	Interaction with Fixed Dialling Number.....	61
7.4	Timer Expiration.....	61
7.5	Event download.....	61
7.5.1	I-WLAN Access status event.....	61
7.5.1.1	Procedure.....	61
7.5.1.2	Structure of ENVELOPE (EVENT DOWNLOAD – I-WLAN Access Status).....	62
7.5.1A	MT Call event.....	62
7.5.1A.1	Procedure.....	62
7.5.1A.2	Structure of ENVELOPE (EVENT DOWNLOAD - MT call).....	62
7.5.2	Network Rejection event.....	63
7.5.2.1	Procedure.....	63
7.5.2.2	Structure of ENVELOPE (EVENT DOWNLOAD – Network Rejection).....	63
7.5.2A	Call connected event.....	64
7.5.3	CSG Cell Selection event.....	64
7.5.3.1	Procedure.....	64
7.5.3.2	Structure of ENVELOPE (EVENT DOWNLOAD – CSG Cell Selection).....	64
7.5.3A	Call disconnected event.....	65
7.5.4	Location status event.....	65
7.5.5	User activity event.....	65
7.5.6	Idle screen available event.....	65
7.5.7	Card reader status event.....	65
7.5.8	Language selection event.....	65
7.5.9	Browser termination event.....	65
7.5.10	Data available event.....	65
7.5.11	Channel status event.....	66
7.5.12	Access Technology Change Event.....	66
7.5.13	Display parameters changed event.....	66
7.5.14	Local Connection event.....	66
7.5.15	Network Search Mode Change Event.....	66
7.5.16	Browsing status event.....	66
7.5.17	Frames Information changed event.....	66

7.5.18	HCI connectivity event	66
7.5.19	Contactless state request	66
7.5.20	Incoming IMS Data event.....	66
7.5.20.1	Procedure	66
7.5.20.2	Structure of ENVELOPE (EVENT DOWNLOAD – Incoming IMS Data)	66
7.5.21	IMS Registration Event	67
7.5.21.1	Procedure	67
7.5.21.2	Structure of ENVELOPE (EVENT DOWNLOAD – IMS Registration).....	67
7.5.22	Profile Container.....	68
7.5.23	Envelope Container.....	68
7.5.24	Poll Interval Negotiation.....	68
7.6	USSD Data Download.....	68
7.6.1	Procedure	68
7.6.2	Structure of ENVELOPE (USSD Data Download)	68
7.7	MMS Transfer Status.....	69
7.8	MMS notification download.....	69
7.9	Terminal Applications.....	69
7.10	Geographical Location Reporting	69
7.10.1	Procedure.....	69
7.10.2	Structure of ENVELOPE (Geographical Location Reporting).....	70
7.11	Void.....	70
7.12	ProSe usage information reporting.....	70
7.12.1	Procedure.....	70
7.12.2	Structure of ENVELOPE (ProSe Report).....	70
8	COMPREHENSION-TLV data objects.....	71
8.1	Address.....	71
8.2	Alpha identifier	71
8.3	Subaddress.....	71
8.4	Capability configuration parameters	71
8.5	Cell Broadcast Page.....	72
8.6	Command details.....	72
8.7	Device identities	73
8.8	Duration.....	73
8.9	Item	73
8.10	Item identifier	73
8.11	Response length.....	73
8.12	Result.....	73
8.12.1	Additional information for SEND SS	73
8.12.2	Additional information for ME problem.....	73
8.12.3	Additional information for network problem.....	74
8.12.4	Additional information for SS problem	74
8.12.5	Additional information for SMS problem.....	74
8.12.6	Not used.....	74
8.12.7	Additional information for USSD problem	74
8.12.8	Additional information for interaction with call control or MO SM control	74
8.12.9	Additional information for MultipleCard commands	75
8.12.10	Additional information for launch browser problem	75
8.12.11	Additional information for Bearer Independent Protocol	75
8.12.12	Additional information for FRAMES commands.....	75
8.12.13	Additional information for SUBMIT and RETRIEVE MULTIMEDIA MESSAGE.....	75
8.13	SMS TPDU	75
8.14	SS string	75
8.15	Text string	75
8.16	Tone.....	76
8.17	USSD string.....	76
8.18	File List	76
8.19	Location Information.....	76
8.20	IMEI	77
8.21	Help Request	77
8.22	Network Measurement Results.....	77
8.23	Default Text.....	78

8.24	Items Next Action Indicator	78
8.25	Event list.....	78
8.26	Cause	79
8.27	Location status.....	79
8.28	Transaction identifier	79
8.29	BCCH channel list.....	80
8.30	Call control requested action	80
8.31	Icon Identifier	80
8.32	Item Icon Identifier list.....	81
8.33	Card reader status	81
8.34	Card ATR	81
8.35	C-APDU	81
8.36	R-APDU	81
8.37	Timer identifier	81
8.38	Timer value	81
8.39	Date-Time and Time zone	81
8.40	AT Command.....	81
8.41	AT Response	81
8.42	BC Repeat indicator	82
8.43	Immediate response	82
8.44	DTMF string.....	82
8.45	Language	82
8.46	Timing Advance	82
8.47	Browser Identity	82
8.48	URL.....	82
8.49	Bearer	83
8.50	Provisioning File Reference	83
8.51	Browser Termination Cause	83
8.52	Bearer description.....	83
8.52.1	Bearer parameters for CSD.....	83
8.52.2	Bearer parameters for GPRS/UTRAN Packet Service/E-UTRAN.....	84
8.52.3	Bearer parameters for UTRAN Packet Service with extended parameters / HSDPA / E-UTRAN.....	84
8.52.4	Bearer parameters for I-WLAN	85
8.52.5	Bearer parameters for E-UTRAN / mapped UTRAN packet service	86
8.53	Channel data	86
8.54	Channel data length	86
8.55	Buffer size	86
8.56	Channel status	86
8.57	Card reader identifier.....	87
8.58	Other Address.....	87
8.59	UICC/ME interface transport level	87
8.60	AID.....	87
8.61	Network Access Name	87
8.62	Access Technology.....	87
8.63	Display parameters	87
8.64	Service Record	87
8.65	Device Filter	87
8.66	Service Search	87
8.67	Attribute Information	87
8.68	Service Availability	88
8.69	Remote Entity Address.....	88
8.70	Text Attribute	88
8.71	Item Text Attribute List.....	88
8.72	PDP context Activation parameters.....	88
8.73	UTRAN/E-UTRAN Measurement Qualifier.....	88
8.74	Multimedia Message Reference	89
8.75	Multimedia Message Identifier.....	89
8.76	Multimedia Message Transfer status	89
8.77	MM Content Identifier	89
8.78	Multimedia Message Notification	89
8.79	Last Envelope.....	89
8.80	Frames Layout.....	89

8.81	Frames Information	89
8.82	Frames identifier	89
8.83	I-WLAN Identifier	89
8.84	I-WLAN Access Status	89
8.85	IMEISV	90
8.86	Network search mode	90
8.87	Battery State	90
8.88	Browsing status	90
8.89	Registry application data	90
8.90	PLMNwAcT List	90
8.91	Routing Area Identification	90
8.92	Update/Attach Type	91
8.93	Rejection Cause Code	91
8.94	Geographical Location Parameters	92
8.95	GAD shapes	94
8.96	NMEA sentence	94
8.97	PLMN List	95
8.98	EPS PDN connection activation parameters	95
8.99	Tracking Area Identification	95
8.100	CSG ID list identifier	96
8.101	CSG cell selection status	96
8.102	CSG ID	97
8.103	HNB name	97
8.104	Activate descriptor	97
8.105	Broadcast Network information	97
8.106	Contactless state request	97
8.107	Contactless functionality state	97
8.108	IMS URI	98
8.109	Extended registry application data	98
8.110	IARI	98
8.111	IMPU List	98
8.112	IMS status code	99
8.113	eCAT client profile	99
8.114	eCAT client identity	99
8.115	Encapsulated envelope type	99
8.116	Void	99
8.117	Void	99
8.118	PLMN ID	99
8.119	E-UTRAN Inter-frequency Network Measurement Results	99
8.120	Call control result	100
8.121	eCAT sequence number	100
8.122	Encrypted TLV list	100
8.123	MAC	100
8.124	SA template	100
8.125	CAT service list	100
8.126	Refresh enforcement policy	100
8.127	DNS Server Address	100
8.128	ProSe Report Data	100
9	Tag values	101
9.1	BER-TLV tags in ME to UICC direction	101
9.2	BER-TLV tags in UICC TO ME direction	101
9.3	COMPREHENSION-TLV tags in both directions	102
9.4	Type of Command and Next Action Indicator	103
10	Allowed Type of command and Device identity combinations	103
11	Security requirements	103
Annex A (normative):	Support of USAT by Mobile Equipment	104
Annex B (informative):	Example of DISPLAY TEXT Proactive UICC Command	105

Annex C (normative):	Structure of USAT communications	106
Annex D (informative):	ME display in proactive UICC session.....	107
Annex E (informative):	Help information feature processing.....	108
Annex F (informative):	Monitoring of events.....	109
Annex G (normative):	Support of Multiple Card Operation	110
Annex H (informative):	Multiple Card proactive command examples	111
Annex I (informative):	Bearer independent protocol proactive command examples.....	112
Annex J (informative):	WAP References	113
Annex K (informative):	Use of USAT Bearer independent protocol for local links Bluetooth case	114
Annex L (informative):	Bluetooth Service Discovery protocol	115
Annex M (informative):	Use of USAT Bearer independent protocol for local links, server case ..	116
Annex N (informative):	USSD information flow between the Network, the ME and the UICC...117	
N.1	MMI Mode	117
N.2	Application Mode.....	119
N.3	USSD Data Download.....	121
Annex O (informative):	Geographical location information discovery information flow between the ME and the UICC.....	122
Annex P (normative):	Support of USAT by Terminals with reduced feature capabilities.....	123
Annex Q (normative):	Default routing for USAT over AT interface	124
Q.0	3GPP-specific facilities	124
Q.1	Default routing mechanism	124
Q.2	Combination rules for terminal profiles.....	125
Annex R (informative):	UICC access to IMS, command flow examples.....	126
R.1	Discovery of the UICC's IARI and IMS Registration	126
R.2	Notification of Incoming IMS data	127
R.3	UICC originating a SIP message.....	128
Annex S (informative):	Change History	129
History		133

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1 Scope

The present document defines the interface between the UICC and the Mobile Equipment (ME), and mandatory ME procedures, specifically for "USIM Application Toolkit".

The present document refers in its majority to the ETSI TS 102 223 [32], which describes the generic aspects of application toolkits within the UICC.

USAT is a set of commands and procedures for use during the network operation phase of 3G/LTE, in addition to those defined in TS 31.101 [13].

Specifying the interface is to ensure interoperability between a UICC and an ME independently of the respective manufacturers and operators.

The present document defines for 3G/LTE technology:

- the commands;
- the application protocol;
- the mandatory requirements on the UICC and ME for each procedure.

The present document does not specify any aspects related to the administrative management phase. Any internal technical realization of either the UICC or the ME are only specified where these reflect over the interface. The present document does not specify any of the security algorithms which may be used.

For the avoidance of doubt, references to clauses of ETSI TS 102 223 [32] include all the subclauses of that clause, unless specifically mentioned.

The target specification ETSI TS 102 223 [32] contains material that is outside of the scope of 3GPP requirements and the present document indicates which parts are in the scope and which are not.

A 3GPP ME may support functionality that is not required by 3GPP, but the requirements to do so are outside of the scope of 3GPP.

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] 3GPP TS 22.002: "Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)".
- [2] 3GPP TS 22.030: "Man-Machine Interface (MMI) of the User Equipment (UE)".
- [3] 3GPP TS 22.042: "Network Identity and Time Zone (NITZ); Service description; Stage 1".
- [4] 3GPP TS 23.038: "Alphabets and language-specific information".
- [5] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS)".
- [6] 3GPP TS 23.041: "Technical realization of Cell Broadcast Service (CBS)".
- [7] 3GPP TS 23.122: "Non-Access Stratum functions related to Mobile Station (MS) in idle mode".