

# ETSI TS 102 223 V15.3.0 (2019-07)



## Smart Cards; Card Application Toolkit (CAT) (Release 15)

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# Contents

Intellectual Property Rights .....	12
Foreword.....	12
Modal verbs terminology.....	12
1 Scope .....	13
2 References .....	13
2.1 Normative references .....	13
2.2 Informative references.....	16
3 Definition of terms, symbols and abbreviations.....	17
3.1 Terms.....	17
3.2 Symbols.....	18
3.3 Abbreviations .....	18
4 Overview of CAT.....	20
4.0 Introduction .....	20
4.1 Profile download .....	20
4.2 Proactive UICC .....	20
4.3 Data download to UICC .....	21
4.4 Menu selection .....	21
4.5 Call control by network access application .....	21
4.6 Void.....	21
4.7 Event download.....	22
4.8 Security .....	22
4.9 Multiple card .....	22
4.10 Timer expiration.....	22
4.11 Bearer Independent Protocol .....	22
4.12 Description of the access technology indicator mechanism .....	22
4.13 Tag allocation guidelines.....	23
4.14 Description of the network search mode mechanism .....	23
4.15 CAT operation in reduced capability terminals.....	23
4.16 CAT over the modem interface .....	24
4.17 CAT facilities provided by eCAT clients.....	24
4.18 Negotiation of Poll Interval .....	25
4.19 Void.....	25
5 Profile download .....	25
5.1 Procedure.....	25
5.2 Structure and coding of TERMINAL PROFILE.....	25
5.3 Definition of display parameters in profile download .....	34
5.3.0 Overview .....	34
5.3.1 Number of characters supported down the terminal display.....	34
5.3.2 Number of characters supported across the terminal display.....	34
5.3.3 Display can be resized .....	34
5.3.4 Text wrapping.....	34
5.3.5 Text scrolling .....	34
5.3.6 Width reduction when in a menu .....	34
5.3.7 Text attributes .....	35
6 Proactive UICC .....	35
6.1 Introduction .....	35
6.2 Identification of terminal support.....	38
6.3 General procedure .....	38
6.4 Proactive UICC commands and procedures.....	39
6.4.1 DISPLAY TEXT .....	39
6.4.2 GET INKEY .....	40
6.4.3 GET INPUT.....	42
6.4.4 MORE TIME.....	43

6.4.5	PLAY TONE .....	43
6.4.6	POLL INTERVAL .....	44
6.4.7	REFRESH.....	44
6.4.8	SET UP MENU .....	47
6.4.9	SELECT ITEM.....	47
6.4.10	SEND SHORT MESSAGE .....	48
6.4.11	Void.....	49
6.4.12	Void.....	49
6.4.13	SET UP CALL.....	49
6.4.14	POLLING OFF .....	51
6.4.15	PROVIDE LOCAL INFORMATION.....	51
6.4.16	SET UP EVENT LIST.....	51
6.4.17	PERFORM CARD APDU.....	52
6.4.18	POWER OFF CARD.....	53
6.4.19	POWER ON CARD.....	53
6.4.20	GET READER STATUS.....	54
6.4.21	TIMER MANAGEMENT .....	54
6.4.22	SET UP IDLE MODE TEXT .....	55
6.4.23	RUN AT COMMAND .....	55
6.4.24	SEND DTMF.....	56
6.4.25	LANGUAGE NOTIFICATION .....	56
6.4.26	LAUNCH BROWSER .....	57
6.4.27	OPEN CHANNEL.....	58
6.4.27.1	OPEN CHANNEL related to CS bearer.....	58
6.4.27.2	OPEN CHANNEL related to packet data service bearer .....	60
6.4.27.3	OPEN CHANNEL related to local bearer.....	61
6.4.27.4	OPEN CHANNEL related to Default (network) Bearer.....	63
6.4.27.5	OPEN CHANNEL related to UICC Server Mode .....	64
6.4.27.6	OPEN CHANNEL related to Terminal Server Mode.....	65
6.4.28	CLOSE CHANNEL.....	66
6.4.29	RECEIVE DATA .....	67
6.4.30	SEND DATA.....	68
6.4.31	GET CHANNEL STATUS.....	69
6.4.32	SERVICE SEARCH.....	70
6.4.33	GET SERVICE INFORMATION.....	70
6.4.34	DECLARE SERVICE .....	71
6.4.35	SET FRAMES .....	71
6.4.36	GET FRAME STATUS.....	72
6.4.37	RETRIEVE MULTIMEDIA MESSAGE.....	72
6.4.38	SUBMIT MULTIMEDIA MESSAGE.....	73
6.4.39	DISPLAY MULTIMEDIA MESSAGE .....	74
6.4.40	ACTIVATE .....	75
6.4.41	CONTACTLESS STATE CHANGED .....	75
6.4.42	COMMAND CONTAINER.....	76
6.4.43	ENCAPSULATED SESSION CONTROL .....	76
6.4.44	Void.....	76
6.5	Common elements in proactive UICC commands .....	76
6.5.1	Command number .....	76
6.5.2	Device identities .....	76
6.5.3	Alpha identifier.....	76
6.5.4	Icon identifiers.....	77
6.5.5	Text Attribute.....	77
6.5.6	Frame identifier .....	77
6.6	Structure of proactive UICC commands .....	77
6.6.0	Foreword.....	77
6.6.1	DISPLAY TEXT .....	78
6.6.2	GET INKEY .....	78
6.6.3	GET INPUT.....	79
6.6.4	MORE TIME.....	79
6.6.5	PLAY TONE .....	80
6.6.6	POLL INTERVAL .....	80
6.6.7	SET-UP MENU .....	81

6.6.8	SELECT ITEM.....	81
6.6.9	SEND SHORT MESSAGE .....	82
6.6.10	Void .....	82
6.6.11	Void .....	82
6.6.12	SET UP CALL.....	82
6.6.13	REFRESH.....	83
6.6.14	POLLING OFF.....	83
6.6.15	PROVIDE LOCAL INFORMATION.....	83
6.6.16	SET UP EVENT LIST.....	84
6.6.17	PERFORM CARD APDU.....	84
6.6.18	POWER OFF CARD.....	84
6.6.19	POWER ON CARD.....	84
6.6.20	GET READER STATUS.....	84
6.6.21	TIMER MANAGEMENT .....	84
6.6.22	SET UP IDLE MODE TEXT .....	85
6.6.23	RUN AT COMMAND .....	85
6.6.24	SEND DTMF COMMAND.....	85
6.6.25	LANGUAGE NOTIFICATION .....	86
6.6.26	LAUNCH BROWSER .....	86
6.6.27	OPEN CHANNEL.....	87
6.6.27.1	OPEN CHANNEL related to CS bearer.....	87
6.6.27.2	OPEN CHANNEL related to packet data service bearer .....	88
6.6.27.3	OPEN CHANNEL related to local bearer.....	89
6.6.27.4	OPEN CHANNEL related to Default (network) Bearer .....	90
6.6.27.5	OPEN CHANNEL related to UICC Server Mode .....	90
6.6.27.6	OPEN CHANNEL related to Terminal Server Mode .....	91
6.6.28	CLOSE CHANNEL.....	91
6.6.29	RECEIVE DATA .....	91
6.6.30	SEND DATA.....	92
6.6.31	GET CHANNEL STATUS .....	92
6.6.32	SERVICE SEARCH .....	92
6.6.33	GET SERVICE INFORMATION.....	92
6.6.34	DECLARE SERVICE .....	93
6.6.35	SET FRAMES .....	93
6.6.36	GET FRAMES STATUS.....	94
6.6.37	RETRIEVE MULTIMEDIA MESSAGE .....	94
6.6.38	SUBMIT MULTIMEDIA MESSAGE .....	94
6.6.39	DISPLAY MULTIMEDIA MESSAGE .....	95
6.6.40	ACTIVATE .....	95
6.6.41	CONTACTLESS STATE CHANGED .....	95
6.6.42	COMMAND CONTAINER .....	95
6.6.43	ENCAPSULATED SESSION CONTROL .....	96
6.6.44	Void.....	96
6.7	Command results.....	96
6.8	Structure of TERMINAL RESPONSE.....	98
6.8.0	Overall coding .....	98
6.8.1	Command details .....	100
6.8.2	Device identities .....	100
6.8.3	Result .....	100
6.8.4	Duration .....	100
6.8.5	Text string.....	100
6.8.6	Item identifier .....	101
6.8.7	Local information .....	101
6.8.8	Call control requested action .....	102
6.8.9	Result data object 2.....	102
6.8.10	Card reader status .....	102
6.8.11	Card ATR .....	102
6.8.12	R-APDU .....	102
6.8.13	Timer identifier .....	102
6.8.14	Timer value.....	102
6.8.15	AT Response.....	102
6.8.16	Text string 2.....	103

6.8.17	Channel data .....	103
6.8.18	Channel status .....	103
6.8.19	Channel data length .....	103
6.8.20	Bearer description .....	103
6.8.21	Buffer size .....	103
6.8.22	Total display duration .....	103
6.8.23	Service Availability .....	103
6.8.24	Service Record .....	104
6.8.25	Other address (local address) .....	104
6.8.26	Frames Information .....	104
6.8.27	SA template .....	104
6.8.28	eCAT sequence number .....	104
6.8.29	Encrypted TLV list .....	104
6.8.30	MAC .....	104
6.8.31	DNS server address .....	105
6.9	Proactive UICC session and terminal display interaction .....	105
6.10	Handling of unknown, unforeseen and erroneous messages .....	105
6.10.1	General .....	105
6.10.2	Message too short .....	105
6.10.3	Missing minimum information .....	106
6.10.4	Unknown Tag value .....	106
6.10.5	Unexpected Tag value .....	106
6.10.6	Length errors .....	106
6.10.7	Contents not understood .....	106
6.10.8	Extended length data objects .....	106
6.11	Proactive commands versus possible terminal response .....	107
6.12	CAT session timeout .....	113
7	ENVELOPE commands .....	113
7.1	Void .....	113
7.2	Menu selection .....	113
7.2.0	Description .....	113
7.2.1	Procedure .....	113
7.2.2	Structure of ENVELOPE (MENU SELECTION) .....	113
7.3	Call Control by NAA .....	114
7.3.1	Call Control by NAA .....	114
7.3.1.1	Procedure for mobile originated calls .....	114
7.3.1.2	Void .....	114
7.3.1.3	Indication to be given to the user .....	115
7.3.1.4	Interaction with Fixed Dialling Number (FDN) .....	115
7.3.1.5	Support of Barred Dialling Number (BDN) service .....	116
7.3.1.6	Structure of ENVELOPE (CALL CONTROL) .....	116
7.4	Timer expiration .....	118
7.4.1	Description .....	118
7.4.2	Structure of ENVELOPE (TIMER EXPIRATION) .....	118
7.5	Event download .....	119
7.5.0	Overview .....	119
7.5.1	MT call event .....	119
7.5.1.1	Procedure .....	119
7.5.1.2	Structure of ENVELOPE (EVENT DOWNLOAD - MT call) .....	119
7.5.2	Call connected event .....	120
7.5.2.1	Procedure .....	120
7.5.2.2	Structure of ENVELOPE (EVENT DOWNLOAD - call connected) .....	120
7.5.3	Call disconnected event .....	121
7.5.3.1	Procedure .....	121
7.5.3.2	Structure of ENVELOPE (EVENT DOWNLOAD - call disconnected) .....	121
7.5.4	Location status event .....	122
7.5.4.1	Procedure .....	122
7.5.4.2	Structure of ENVELOPE (EVENT DOWNLOAD - Location status) .....	122
7.5.5	User activity event .....	123
7.5.5.1	Procedure .....	123
7.5.5.2	Structure of ENVELOPE (EVENT DOWNLOAD - User activity) .....	123

7.5.6	Idle screen available event .....	124
7.5.6.1	Procedure .....	124
7.5.6.2	Structure of ENVELOPE (EVENT DOWNLOAD - Idle screen available) .....	124
7.5.7	Card reader status event .....	125
7.5.7.1	Procedure .....	125
7.5.7.2	Structure of ENVELOPE (EVENT DOWNLOAD - Card reader status) .....	125
7.5.8	Language selection event .....	125
7.5.8.1	Procedure .....	125
7.5.8.2	Structure of ENVELOPE (EVENT DOWNLOAD - Language selection) .....	126
7.5.9	Browser termination event .....	126
7.5.9.1	Procedure .....	126
7.5.9.2	Structure of ENVELOPE (EVENT DOWNLOAD - Browser termination) .....	126
7.5.10	Data available event .....	127
7.5.10.1	Procedure .....	127
7.5.10.2	Structure of ENVELOPE (EVENT DOWNLOAD - Data available) .....	127
7.5.11	Channel status event .....	128
7.5.11.1	Procedure .....	128
7.5.11.2	Structure of ENVELOPE (EVENT DOWNLOAD - Channel status) .....	128
7.5.12	Access Technology Change Event .....	129
7.5.12.1	Procedure .....	129
7.5.12.2	Structure of ENVELOPE (EVENT DOWNLOAD - Access Technology Change) .....	129
7.5.13	Display parameters changed event .....	130
7.5.13.1	Procedure .....	130
7.5.13.2	Structure of ENVELOPE (EVENT DOWNLOAD - Display parameters changed) .....	130
7.5.14	Local Connection event .....	130
7.5.14.1	Procedure .....	130
7.5.14.2	Structure of ENVELOPE (EVENT DOWNLOAD - Local Connection) .....	131
7.5.15	Network Search Mode Change Event .....	131
7.5.15.1	Procedure .....	131
7.5.15.2	Structure of ENVELOPE (EVENT DOWNLOAD - Network Search Mode Change) .....	132
7.5.16	Browsing status event .....	132
7.5.16.1	Procedure .....	132
7.5.16.2	Structure of ENVELOPE (EVENT DOWNLOAD - Browsing status) .....	132
7.5.17	Frames Information changed event .....	133
7.5.17.1	Procedure .....	133
7.5.17.2	Structure of ENVELOPE (EVENT DOWNLOAD - Frames Information changed) .....	133
7.5.18	HCI connectivity event .....	134
7.5.18.1	Procedure .....	134
7.5.18.2	Structure of ENVELOPE (EVENT DOWNLOAD - HCI connectivity event) .....	134
7.5.19	Contactless state request .....	134
7.5.19.1	Procedure .....	134
7.5.19.2	Structure of ENVELOPE (EVENT DOWNLOAD - Contactless state request) .....	135
7.5.20	Profile Container .....	135
7.5.20.1	Procedure .....	135
7.5.20.2	Structure of ENVELOPE (EVENT DOWNLOAD - Profile Container) .....	136
7.5.21	Void .....	137
7.5.22	Poll Interval Negotiation .....	137
7.5.22.1	Procedure .....	137
7.5.22.2	Structure of ENVELOPE (EVENT DOWNLOAD - Poll Interval Negotiation) .....	138
7.6	MMS Transfer Status .....	138
7.6.1	Procedure .....	138
7.6.2	Structure of ENVELOPE (MMS Transfer Status) .....	139
7.7	MMS notification download .....	139
7.7.0	Introduction .....	139
7.7.1	Procedure .....	140
7.7.2	Structure of ENVELOPE (MMS notification download) .....	140
7.8	Terminal Applications .....	141
7.8.1	Description .....	141
7.8.2	Structure of ENVELOPE (TERMINAL APPLICATIONS) .....	141
7.9	Envelope Container .....	142
7.9.1	Description .....	142
7.9.2	Structure of ENVELOPE (ENVELOPE CONTAINER) .....	142

7.10	Service List Retrieval .....	143
7.10.1	Description.....	143
7.10.2	Structure of ENVELOPE (SERVICE LIST) .....	144
8	COMPREHENSION-TLV data objects .....	144
8.0	Introduction .....	144
8.1	Address.....	145
8.2	Alpha identifier .....	146
8.3	Subaddress.....	146
8.4	Capability configuration parameters .....	146
8.5	Void.....	146
8.6	Command details.....	146
8.7	Device identities .....	153
8.8	Duration.....	153
8.9	Item .....	154
8.10	Item identifier .....	154
8.11	Response length.....	155
8.12	Result.....	155
8.12.0	Overall structure and coding .....	155
8.12.1	Void .....	157
8.12.2	Additional information for terminal problem .....	157
8.12.3	Additional information for network problem.....	157
8.12.4	Void .....	157
8.12.5	Void .....	157
8.12.6	Void .....	158
8.12.7	Void .....	158
8.12.8	Additional information for interaction with call control .....	158
8.12.9	Additional information for MultipleCard commands .....	158
8.12.10	Additional information for launch browser problem .....	158
8.12.11	Additional information for Bearer Independent Protocol .....	159
8.12.12	Additional information for Frames commands .....	159
8.12.13	Additional information for SUBMIT and RETRIEVE MULTIMEDIA MESSAGE .....	160
8.13	3GPP- SMS TPDU .....	160
8.14	Void.....	160
8.15	Text string .....	160
8.15.0	Object structure.....	160
8.15.1	Coding of text in unpacked format .....	160
8.15.2	Coding of text in packed format .....	161
8.15.3	Coding of text in 16 bits UCS2 alphabet format.....	161
8.16	Tone.....	161
8.17	Void.....	162
8.18	File list.....	162
8.19	Location information.....	163
8.20	IMEI .....	163
8.21	Help request.....	163
8.22	Network measurement results .....	163
8.23	Default text.....	164
8.24	Items next action indicator .....	164
8.25	Event list.....	164
8.26	Cause .....	166
8.27	Location status.....	166
8.28	Transaction identifier .....	166
8.29	Void.....	166
8.30	Call control requested action .....	167
8.31	Icon identifier .....	167
8.32	Item icon identifier list .....	167
8.33	Card reader status .....	168
8.34	Card ATR .....	169
8.35	C-APDU .....	170
8.36	R-APDU .....	170
8.37	Timer identifier .....	170
8.38	Timer value .....	171



8.39	Date-time and time zone.....	171
8.40	AT command.....	172
8.41	AT response.....	172
8.42	BC repeat indicator.....	172
8.43	Immediate response.....	172
8.44	DTMF string.....	173
8.45	Language.....	173
8.46	Void.....	173
8.47	Browser identity.....	173
8.48	URL.....	173
8.49	Bearer.....	174
8.50	Provisioning file reference.....	174
8.51	Browser termination cause.....	174
8.52	Bearer description.....	175
8.53	Channel data.....	175
8.54	Channel data length.....	176
8.55	Buffer size.....	176
8.56	Channel status.....	176
8.57	Card reader identifier.....	177
8.58	Other Address.....	178
8.59	UICC/terminal interface transport level.....	178
8.60	AID.....	179
8.61	Access technology.....	179
8.62	Display parameters.....	179
8.63	Service record.....	180
8.64	Device filter.....	182
8.65	Service search.....	183
8.66	Attribute information.....	183
8.67	Service availability.....	184
8.68	Remote entity address.....	185
8.69	ESN.....	185
8.70	Network access name.....	185
8.71	CDMA-SMS TPDU.....	186
8.72	Text attribute.....	186
8.73	Item text attribute list.....	186
8.74	IMEISV.....	187
8.75	Network search mode.....	187
8.76	Battery State.....	187
8.77	Browsing status.....	188
8.78	Frame Layout.....	188
8.79	Frames Information.....	188
8.80	Frame identifier.....	189
8.81	MEID.....	189
8.82	Multimedia Message Reference.....	189
8.83	Multimedia Message Identifier.....	190
8.84	Multimedia Message Transfer status.....	190
8.85	MM Content Identifier.....	191
8.86	Multimedia Message Notification.....	191
8.87	Last Envelope.....	191
8.88	Registry application data.....	191
8.89	Activate descriptor.....	192
8.90	Broadcast Network information.....	192
8.91	Contactless state request.....	194
8.92	Contactless functionality state.....	195
8.93	Extended registry application data.....	195
8.94	eCAT client profile.....	196
8.95	eCAT client identity.....	196
8.96	Encapsulated envelope type.....	196
8.97	Call control/Poll Interval Negotiation result.....	196
8.98	eCAT sequence number.....	197
8.99	Encrypted TLV list.....	197
8.100	MAC.....	198

8.101	SA template .....	198
8.102	CAT service list.....	199
8.103	Refresh enforcement policy.....	201
8.104	DNS Server Address .....	202
8.105	Supported radio access technologies .....	202
8.106	Void.....	203
8.107	Application specific refresh data .....	203
9	Tag values .....	203
9.0	Introduction .....	203
9.1	BER-TLV tags in terminal to UICC direction.....	203
9.2	BER-TLV tags in UICC to terminal direction.....	203
9.3	COMPREHENSION-TLV tags in both directions.....	203
9.4	Type of command and next action indicator .....	204
10	Allowed type of command and device identity combinations .....	205
11	Void.....	206
<b>Annex A (normative):</b>	<b>Support of CAT by terminal equipment.....</b>	<b>207</b>
<b>Annex B (informative):</b>	<b>Example of DISPLAY TEXT proactive UICC command.....</b>	<b>209</b>
<b>Annex C (normative):</b>	<b>Structure of CAT communications .....</b>	<b>210</b>
<b>Annex D (informative):</b>	<b>Terminal display in proactive UICC session.....</b>	<b>211</b>
<b>Annex E (informative):</b>	<b>Help information feature processing.....</b>	<b>212</b>
<b>Annex F (informative):</b>	<b>Monitoring of events.....</b>	<b>213</b>
<b>Annex G (normative):</b>	<b>Support of multiple card operation.....</b>	<b>214</b>
<b>Annex H (informative):</b>	<b>Multiple card proactive command examples .....</b>	<b>215</b>
<b>Annex I (informative):</b>	<b>Bearer independent protocol proactive command examples.....</b>	<b>216</b>
<b>Annex J (informative):</b>	<b>WAP terminology .....</b>	<b>221</b>
<b>Annex K (informative):</b>	<b>Use of CAT bearer independent protocol for local links Bluetooth case .....</b>	<b>222</b>
K.0	Foreword .....	222
K.1	Service search command.....	222
K.2	Get service information command .....	222
K.3	OPEN CHANNEL command.....	222
<b>Annex L (informative):</b>	<b>Bluetooth service discovery protocol.....</b>	<b>225</b>
L.0	Overview .....	225
L.1	Service attribute.....	226
<b>Annex M (informative):</b>	<b>Use of CAT bearer independent protocol for local links, server case.....</b>	<b>227</b>
<b>Annex N (informative):</b>	<b>Browsing terminology.....</b>	<b>228</b>
<b>Annex O (informative):</b>	<b>Use of USAT Bearer independent protocol for local links IrDA case.....</b>	<b>229</b>
O.0	Foreword .....	229
O.1	Service Search command .....	229
O.2	Get Service Information command .....	229

O.3	OPEN CHANNEL command.....	229
<b>Annex P (informative):</b>	<b>IrDA Information Access Service.....</b>	<b>231</b>
<b>Annex Q (informative):</b>	<b>IrDA IAS class name and associated parameters .....</b>	<b>232</b>
<b>Annex R (informative):</b>	<b>Example of Frames usage.....</b>	<b>233</b>
<b>Annex S (normative):</b>	<b>Support of CAT by Terminals with reduced feature capabilities .....</b>	<b>236</b>
<b>Annex T (normative):</b>	<b>Default routing for CAT over the modem interface .....</b>	<b>239</b>
T.0	Supported facilities.....	239
T.1	Default routing mechanism .....	240
T.2	Combination rules for terminal profiles .....	241
<b>Annex U (informative):</b>	<b>Example of eCAT usage .....</b>	<b>242</b>
<b>Annex V (informative):</b>	<b>Change history .....</b>	<b>245</b>
History .....		250

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# Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Smart Card Platform (SCP).

It is based on work originally done in the 3GPP in TSG-terminals WG3.

The contents of the present document are subject to continuing work within TC SCP and may change following formal TC SCP approval. If TC SCP modifies the contents of the present document, it will then be republished by ETSI with an identifying change of release date and an increase in version number as follows:

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# 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).

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# 1 Scope

The present document defines the interface between the UICC and the terminal, and mandatory terminal procedures, specifically for "NAA Card Application Toolkit".

The Card Application Toolkit (CAT) is a set of generic commands and procedures for use by the ICC, irrespective of the access technology of the network. Within the scope of the present document, the UICC refers here to an ICC which supports at least one application in order to access a network. This application is called here Network Access Application (NAA).

The ICC is considered as a platform, which is either based on ETSI TS 102 221 [1] or ETSI TS 102 600 [38], here called "3G platform" or ETSI TS 151 011 [8], here called "2G platform".

NAA can be:

- a USIM application, as defined in ETSI TS 131 102 [6], which can reside only on a 3G platform;
- a SIM application, as defined in ETSI TS 151 011 [8], which can reside either on a 3G or a 2G platform;
- a TSIM application, as defined in ETSI TS 100 812 [i.2], which can reside only on a 3G platform;
- a ISIM application, as defined in ETSI TS 131 103 [36], which can reside only on a 3G platform;
- a CSIM application, as defined in 3GPP2 C.S0065-B [53];
- an R-UIM application, as defined in 3GPP2 C.S0023-D [30]; or
- other applications residing on a 3G platform or a 2G platform. Specifying the interface is to ensure interoperability between an ICC and a terminal independently of the respective manufacturers and operators.

The present document specifies as well mechanisms in order to expand the generic set of commands and procedures by access technology specific ones.

The present document defines:

- the commands;
- the application protocol;
- the mandatory requirements on the ICC and terminal for each procedure.

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

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## 2 References

### 2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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