

Source: T3

Title: CRs to TS 31.102: Characteristics of the USIM Application

Document for: Approval

This document contains the following change requests:

T3 Doc	Spec	CR	Rev	Phase	Subject	Cat	V. old	V. new
T3-030396	31.102	142	-	Rel-4	Correction of the MMS example	F	4.8.0	4.9.0
T3-030397	31.102	143	-	Rel-5	Correction of the MMS example	A	5.4.0	5.5.0
T3-030399	31.102	144	-	Rel-6	Correction of the MMS example	A	6.1.0	6.2.0
T3-030413	31.102	145	-	R99	Corrections and clarifications	F	3.12.0	3.13.0
T3-030414	31.102	146	-	Rel-4	Corrections and clarifications	A	4.8.0	4.9.0
T3-030415	31.102	147	-	Rel-5	Corrections and clarifications	A	5.4.0	5.5.0
T3-030416	31.102	148	-	Rel-6	Corrections and clarifications	A	6.1.0	6.2.0
T3-030454	31.102	149	-	R99	Clarification on the support of extra guardtime	F	3.12.0	3.13.0
T3-030455	31.102	150	-	Rel-4	Clarification on the support of extra guardtime	F	4.8.0	4.9.0
T3-030456	31.102	151	-	Rel-5	Clarification on the support of extra guardtime	A	5.4.0	5.5.0
T3-030461	31.102	152	-	Rel-6	Clarification on SIM support by terminals	A	6.1.0	6.2.0
T3-030457	31.102	153	-	Rel-5	Clarification on SIM support by R5 terminal	F	5.4.0	5.5.0

CHANGE REQUEST

⌘ **31.102 CR 142** ⌘ - ⌘ Current version: **4.8.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ CR 31.102 Rel-4: Correction of the MMS example		
Source:	⌘ T3		
Work item code:	⌘ TEI	Date:	⌘ 21-05-2003
Category:	⌘ F	Release:	⌘ Rel-4
	<i>Use <u>one</u> of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	<i>Use <u>one</u> of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)	

Reason for change:	⌘ Correction of the example of MMS coding in order to avoid misinterpretation.		
Summary of change:	⌘ <ul style="list-style-type: none"> • Correction of the encoding of the MMS User Preference Profile Name in the coding example for MMS User Preferences. • Size correction of the of the MMS Relay/Server information in the Coding Example for MMS Issuer/User Connectivity Parameters. 		
Consequences if not approved:	⌘ The current example for the encoding of the MMS User Preference Profile Name Tag in the coding example for MMS User Preferences, stored on the (U)SIM is open to misinterpretation.		

Clauses affected:	⌘ Annex J.1, J.2										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td>Y</td> <td>N</td> </tr> <tr> <td>X</td> <td></td> </tr> <tr> <td></td> <td>X</td> </tr> <tr> <td></td> <td>X</td> </tr> </table> Other core specifications Test specifications O&M Specifications	Y	N	X			X		X	⌘ TS 51.011	
Y	N										
X											
	X										
	X										
Other comments:	⌘										

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Annex J (informative): Example of MMS coding

J.1 Coding example for MMS User Preferences

0x80 MMS Implementation Tag

0x01 (Length = "1")

0x01 (MMS implementation information = "WAP")

0x81 MMS User Preference Profile Name Tag

0x1E0E (Length = "2814")

43 68 72 69 73 74 6D 61 73 20 43 61 72 64

(profile name = "Christmas Card"; 14 characters, 2814 Bytes)

0x82 MMS User Preference Information Tag

0x19 (Length = "25")

0x14 0x80 (visibility = "hide"; 2 Bytes)

0x06 0x80 (delivery report = "yes"; 2 Bytes)

0x10 0x80 (read-reply = "yes"; 2 Bytes)

0x0F 0x81 (priority = "normal"; 2 Bytes)

0x07 0x07 0x80 0x05 0x11 0x22 0x33 0x44 0x55

(Delivery-Time-Tag, Value-Length, Absolute-Token-Tag, Date-Value-Length, Date-Value; 9 Bytes)

0x08 0x06 0x81 0x04 0x55 0x22 0x33 0x44

(Expiry Tag, Value-Length, Relative-Token-Tag, Delta-Second-Value-Length, Delta-Second-Value; 8 Bytes)

J.2 Coding Example for MMS Issuer/User Connectivity Parameters

0xAB MMS Connectivity Parameters Tag

0x9F (Length = "159")

0x80 MMS Implementation Tag

0x01 (Length = "1")

0x01 (MMS implementation information = "WAP"; 1 Byte)

0x81 MMS Relay/Server Tag

0x2E17 (Length = "4623")

0x68 0x74 0x74 0x70 0x3A 0x2F 0x2F 0x6D 0x6D 0x73 0x2D 0x6F 0x70 0x65 0x72 0x61 0x74
0x6F 0x72 0x2E 0x63 0x6F 0x6D

(MMS Relay/Server information = "http://mms-operator.com"; 23 characters; 4623 Bytes)

0x82 Interface to Core Network and Bearer Tag

0x32 (Length = "50")

0x10 0xAA (bearer = "GSM-CSD"; 2 Bytes)**0x08** 0x2B 0x34 0x39 0x35 0x33 0x34 0x31 0x39 0x30 0x36 0x00
(address = "+495341906", 12 Bytes)**0x09** 0x87 (type of address = "E164"; 2 Bytes)**0x25** 0xC5 (speed = "autobauding"; 2 Bytes)**0x0A** 0x90 (call type = "ANALOG_MODEM"; 2 Bytes)**0x0C** 0x9A (authentication type = "PAP"; 2 Bytes)**0x0D** 0x64 0x75 0x6D 0x6D 0x79 0x5F 0x6E 0x61 0x6D 0x65 0x00
(authentication id = "dummy_name"; 12 Bytes)**0x0E** 0x64 0x75 0x6D 0x6D 0x79 0x5F 0x70 0x61 0x73 0x73 0x77 0x6F 0x72 0x64 0x00
(authentication pw = "dummy_password"; 16 Bytes)

0x83 Gateway Tag

0x36 (Length = "54")

0x20 0x31 0x37 0x30 0x2E 0x31 0x38 0x37 0x2E 0x35 0x31 0x2E 0x33 0x00
(address = "170.187.51.3"; 14 Bytes)**0x21** 0x85 (type of address = "IPv4"; 2 Bytes)**0x23** 0x39 0x32 0x30 0x33 0x00 (port = "9203"; 6 Bytes)**0x24** 0xCB (service = "CO-WSP"; 2 Bytes)**0x19** 0x9C (authentication type = "HTTP BASIC"; 2 Bytes)**0x1A** 0x64 0x75 0x6D 0x6D 0x79 0x5F 0x6E 0x61 0x6D 0x65 0x00
(authentication id = "dummy_name"; 12 Bytes)**0x1B** 0x64 0x75 0x6D 0x6D 0x79 0x5F 0x70 0x61 0x73 0x73 0x77 0x6F 0x72 0x64 0x00
(authentication pw = "dummy_password"; 16 Bytes)

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CHANGE REQUEST

⌘ **31.102 CR 143** ⌘ - ⌘ Current version: **5.4.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ CR 31.102 Rel-5: Correction of the MMS example		
Source:	⌘ T3		
Work item code:	⌘ TEI	Date:	⌘ 21-05-2003
Category:	⌘ A	Release:	⌘ Rel-5
	<i>Use <u>one</u> of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		<i>Use <u>one</u> of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘ Correction of the example of MMS coding in order to avoid misinterpretation.
Summary of change:	<ul style="list-style-type: none"> Correction of the encoding of the MMS User Preference Profile Name in the coding example for MMS User Preferences. Size correction of the of the MMS Relay/Server information in the Coding Example for MMS Issuer/User Connectivity Parameters.
Consequences if not approved:	⌘ The current example for the encoding of the MMS User Preference Profile Name Tag in the coding example for MMS User Preferences, stored on the (U)SIM is open to misinterpretation.

Clauses affected:	⌘ Annex J.1, J.2						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> Test specifications	<input checked="" type="checkbox"/>					
<input checked="" type="checkbox"/>							
	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	<input checked="" type="checkbox"/>					
<input checked="" type="checkbox"/>							
Other comments:	⌘						

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- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Annex J (informative): Example of MMS coding

J.1 Coding example for MMS User Preferences

0x80 MMS Implementation Tag

0x01 (Length = "1")

0x01 (MMS implementation information = "WAP")

0x81 MMS User Preference Profile Name Tag

0x1E0E (Length = "2814")

43 68 72 69 73 74 6D 61 73 20 43 61 72 64

(profile name = "Christmas Card"; 14 characters, 2814 Bytes)

0x82 MMS User Preference Information Tag

0x19 (Length = "25")

0x14 0x80 (visibility = "hide"; 2 Bytes)

0x06 0x80 (delivery report = "yes"; 2 Bytes)

0x10 0x80 (read-reply = "yes"; 2 Bytes)

0x0F 0x81 (priority = "normal"; 2 Bytes)

0x07 0x07 0x80 0x05 0x11 0x22 0x33 0x44 0x55

(Delivery-Time-Tag, Value-Length, Absolute-Token-Tag, Date-Value-Length, Date-Value; 9 Bytes)

0x08 0x06 0x81 0x04 0x55 0x22 0x33 0x44

(Expiry Tag, Value-Length, Relative-Token-Tag, Delta-Second-Value-Length, Delta-Second-Value; 8 Bytes)

J.2 Coding Example for MMS Issuer/User Connectivity Parameters

0xAB MMS Connectivity Parameters Tag

0x9F (Length = "159")

0x80 MMS Implementation Tag

0x01 (Length = "1")

0x01 (MMS implementation information = "WAP"; 1 Byte)

0x81 MMS Relay/Server Tag

0x2E17 (Length = "4623")

0x68 0x74 0x74 0x70 0x3A 0x2F 0x2F 0x6D 0x6D 0x73 0x2D 0x6F 0x70 0x65 0x72 0x61 0x74
0x6F 0x72 0x2E 0x63 0x6F 0x6D

(MMS Relay/Server information = "http://mms-operator.com"; 23 characters; 4623 Bytes)

0x82 Interface to Core Network and Bearer Tag

0x32 (Length = "50")

0x10 0xAA (bearer = "GSM-CSD"; 2 Bytes)**0x08** 0x2B 0x34 0x39 0x35 0x33 0x34 0x31 0x39 0x30 0x36 0x00
(address = "+495341906", 12 Bytes)**0x09** 0x87 (type of address = "E164"; 2 Bytes)**0x25** 0xC5 (speed = "autobauding"; 2 Bytes)**0x0A** 0x90 (call type = "ANALOG_MODEM"; 2 Bytes)**0x0C** 0x9A (authentication type = "PAP"; 2 Bytes)**0x0D** 0x64 0x75 0x6D 0x6D 0x79 0x5F 0x6E 0x61 0x6D 0x65 0x00
(authentication id = "dummy_name"; 12 Bytes)**0x0E** 0x64 0x75 0x6D 0x6D 0x79 0x5F 0x70 0x61 0x73 0x73 0x77 0x6F 0x72 0x64 0x00
(authentication pw = "dummy_password"; 16 Bytes)

0x83 Gateway Tag

0x36 (Length = "54")

0x20 0x31 0x37 0x30 0x2E 0x31 0x38 0x37 0x2E 0x35 0x31 0x2E 0x33 0x00
(address = "170.187.51.3"; 14 Bytes)**0x21** 0x85 (type of address = "IPv4"; 2 Bytes)**0x23** 0x39 0x32 0x30 0x33 0x00 (port = "9203"; 6 Bytes)**0x24** 0xCB (service = "CO-WSP"; 2 Bytes)**0x19** 0x9C (authentication type = "HTTP BASIC"; 2 Bytes)**0x1A** 0x64 0x75 0x6D 0x6D 0x79 0x5F 0x6E 0x61 0x6D 0x65 0x00
(authentication id = "dummy_name"; 12 Bytes)**0x1B** 0x64 0x75 0x6D 0x6D 0x79 0x5F 0x70 0x61 0x73 0x73 0x77 0x6F 0x72 0x64 0x00
(authentication pw = "dummy_password"; 16 Bytes)

...

CHANGE REQUEST

⌘ **31.102 CR 144** ⌘ - ⌘ Current version: **6.1.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ CR 31.102 Rel-6: Correction of the MMS example		
Source:	⌘ T3		
Work item code:	⌘ TEI	Date:	⌘ 23-05-2003
Category:	⌘ A	Release:	⌘ Rel-6
	<i>Use <u>one</u> of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .	<i>Use <u>one</u> of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)	

Reason for change:	⌘ Correction of the example of MMS coding in order to avoid misinterpretation.
Summary of change:	<ul style="list-style-type: none"> Correction of the encoding of the MMS User Preference Profile Name in the coding example for MMS User Preferences. Size correction of the of the MMS Relay/Server information in the Coding Example for MMS Issuer/User Connectivity Parameters.
Consequences if not approved:	⌘ The current example for the encoding of the MMS User Preference Profile Name Tag in the coding example for MMS User Preferences, stored on the (U)SIM is open to misinterpretation.

Clauses affected:	⌘ Annex J.1, J.2										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications ⌘ Test specifications O&M Specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Y	N										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Other comments:	⌘										

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(profile name = "Christmas Card"; 14 characters, 2814 Bytes)

0x82 MMS User Preference Information Tag

0x19 (Length = "25")

0x14 0x80 (visibility = "hide"; 2 Bytes)

0x06 0x80 (delivery report = "yes"; 2 Bytes)

0x10 0x80 (read-reply = "yes"; 2 Bytes)

0x0F 0x81 (priority = "normal"; 2 Bytes)

0x07 0x07 0x80 0x05 0x11 0x22 0x33 0x44 0x55

(Delivery-Time-Tag, Value-Length, Absolute-Token-Tag, Date-Value-Length, Date-Value; 9 Bytes)

0x08 0x06 0x81 0x04 0x55 0x22 0x33 0x44

(Expiry Tag, Value-Length, Relative-Token-Tag, Delta-Second-Value-Length, Delta-Second-Value; 8 Bytes)

J.2 Coding Example for MMS Issuer/User Connectivity Parameters

0xAB MMS Connectivity Parameters Tag

0x9F (Length = "159")

0x80 MMS Implementation Tag

0x01 (Length = "1")

0x01 (MMS implementation information = "WAP"; 1 Byte)

0x81 MMS Relay/Server Tag

0x2E17 (Length = "4623")

0x68 0x74 0x74 0x70 0x3A 0x2F 0x2F 0x6D 0x6D 0x73 0x2D 0x6F 0x70 0x65 0x72 0x61 0x74
0x6F 0x72 0x2E 0x63 0x6F 0x6D

(MMS Relay/Server information = "http://mms-operator.com"; 23 characters; 4623 Bytes)

0x82 Interface to Core Network and Bearer Tag

0x32 (Length = "50")

0x10 0xAA (bearer = "GSM-CSD"; 2 Bytes)**0x08** 0x2B 0x34 0x39 0x35 0x33 0x34 0x31 0x39 0x30 0x36 0x00
(address = "+495341906", 12 Bytes)**0x09** 0x87 (type of address = "E164"; 2 Bytes)**0x25** 0xC5 (speed = "autobauding"; 2 Bytes)**0x0A** 0x90 (call type = "ANALOG_MODEM"; 2 Bytes)**0x0C** 0x9A (authentication type = "PAP"; 2 Bytes)**0x0D** 0x64 0x75 0x6D 0x6D 0x79 0x5F 0x6E 0x61 0x6D 0x65 0x00
(authentication id = "dummy_name"; 12 Bytes)**0x0E** 0x64 0x75 0x6D 0x6D 0x79 0x5F 0x70 0x61 0x73 0x73 0x77 0x6F 0x72 0x64 0x00
(authentication pw = "dummy_password"; 16 Bytes)

0x83 Gateway Tag

0x36 (Length = "54")

0x20 0x31 0x37 0x30 0x2E 0x31 0x38 0x37 0x2E 0x35 0x31 0x2E 0x33 0x00
(address = "170.187.51.3"; 14 Bytes)**0x21** 0x85 (type of address = "IPv4"; 2 Bytes)**0x23** 0x39 0x32 0x30 0x33 0x00 (port = "9203"; 6 Bytes)**0x24** 0xCB (service = "CO-WSP"; 2 Bytes)**0x19** 0x9C (authentication type = "HTTP BASIC"; 2 Bytes)**0x1A** 0x64 0x75 0x6D 0x6D 0x79 0x5F 0x6E 0x61 0x6D 0x65 0x00
(authentication id = "dummy_name"; 12 Bytes)**0x1B** 0x64 0x75 0x6D 0x6D 0x79 0x5F 0x70 0x61 0x73 0x73 0x77 0x6F 0x72 0x64 0x00
(authentication pw = "dummy_password"; 16 Bytes)

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CHANGE REQUEST

31.102 CR 145 # rev - # Current version: 3.12.0

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the # symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	# Corrections and clarifications		
Source:	# TSG-T3		
Work item code:	# TEI	Date:	# 21/05/2003
Category:	# F	Release:	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# The FIDs 4F23 and 4F24 are assigned to the CC and PUID files respectively and shall not be used by another file. DF _{USIM} is incorrect, it must read ADF _{USIM} .
Summary of change:	# Change FID of GRP and GRP1. All references to DF _{USIM} are change to ADF _{USIM} .
Consequences if not approved:	# Inconsistencies within the specification, leading to confusion and misinterpretation.

Clauses affected:	# 4.4.2, 4.6.2, Annex G						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table>	Y	N	#	X	Other core specifications	#
Y	N						
#	X						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table>	#	X	Test specifications	#		
#	X						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">#</td> <td style="text-align: center;">X</td> </tr> </table>	#	X	O&M Specifications	#		
#	X						
Other comments:	#						

4.4.2 Contents of files at the DF PHONEBOOK level

The UICC may contain a global phonebook, or application specific phonebooks, or both in parallel. When both phonebook types co-exist, they are independent and no data is shared. In this case, it shall be possible for the user to select which phonebook the user would like to access.

It is recommended that the terminal searches for the global phonebook located under $DF_{TELECOM}$ as its presence is not indicated anywhere in the USIM application.

The global phonebook is located in $DF_{PHONEBOOK}$ under $DF_{TELECOM}$. Each specific USIM application phonebook is located in $DF_{PHONEBOOK}$ of its respective Application ADF_{USIM} . The organization of files in $DF_{PHONEBOOK}$ under ADF_{USIM} and under $DF_{TELECOM}$ follows the same rules. Yet $DF_{PHONEBOOK}$ under ADF_{USIM} may contain a different set of files than $DF_{PHONEBOOK}$ under $DF_{TELECOM}$. All phonebook related EFs are located under their respective $DF_{PHONEBOOK}$. USIM specific phonebooks are dedicated to application specific entries. Each application specific phonebook is protected by the application PIN.

EF_{ADN} and EF_{PBR} shall always be present if the $DF_{PHONEBOOK}$ is present. If any phonebook file other than EF_{ADN} or EF_{EXT1} is used, then EF_{PBC} shall be present.

If a GSM application resides on the UICC, the EFs ADN and EXT1 from one $DF_{PHONEBOOK}$ (defined at GSM application installation) are mapped to $DF_{TELECOM}$. Their file IDs are specified in GSM 11.11 [18], i.e. $EF_{ADN} = '6F3A'$ and $EF_{EXT1} = '6F4A'$, respectively.

If the UICC is inserted into a terminal accessing the ADN and EXT1 files under $DF_{TELECOM}$; and a record in these files has been updated, a flag in the corresponding entry control information in the EF_{PBC} is set from 0 to 1 by the UICC. If the UICC is later inserted into a terminal that supports the 3G phonebook, the terminal shall check the flag in EF_{PBC} and if this flag is set, shall update the EF_{CC} , and then reset the flag. A flag set in EF_{PBC} results in a full synchronization of the phonebook between an external entity and the UICC (if synchronization is requested).

The EF structure related to the public phonebook is located under $DF_{PHONEBOOK}$ in $DF_{TELECOM}$. A USIM specific phonebook may exist for application specific entries. The application specific phonebook is protected by the application PIN. The organization of files in the application specific phonebook follows the same rules as the one specified for the public phone book under $DF_{TELECOM}$. The application specific phonebook may contain a different set of files than the one in the public area under $DF_{TELECOM}$.

4.6.2 Contents of files at the $DF_{PHONEBOOK}$ under the $DF_{TELECOM}$

This DF has the same structure as $DF_{PHONEBOOK}$ under the ADF_{USIM} .

Annex G (informative): Phonebook Example

This example phonebook has more than 254 entries. Additional number (3 additional numbers) information, second name and e-mail information can be added to each ADN entry. In addition each entry has a 2 byte Unique ID (UID) attached to it. The phonebook also contains three files that are shared EF_{EXT1} , EF_{AAS} and EF_{GAS} . These files are addressed from inside a file. EF_{EXT1} is addressed via EF_{ADN} , EF_{ADN1} , EF_{AAS} is addressed via EF_{ANRA1} , EF_{ANRA1} and EF_{GAS} is addressed via EF_{GRP} , EF_{GRP1} . The phonebook supports two levels of grouping and hidden entries in EF_{PBC} .

Two records are needed in the phonebook reference file PBR '4F30' for supporting more than 254 entries. The content of the phonebook reference file PBR '4F30' records is as shown in table G.2. The structure of the $DF_{PHONEBOOK}$ is shown in table G.1.

The content of phonebook entries in the range from 1-508 is described in the tables G.3 and G.4.

Table G.1: Structure of EFs inside DF_{PHONEBOOK}

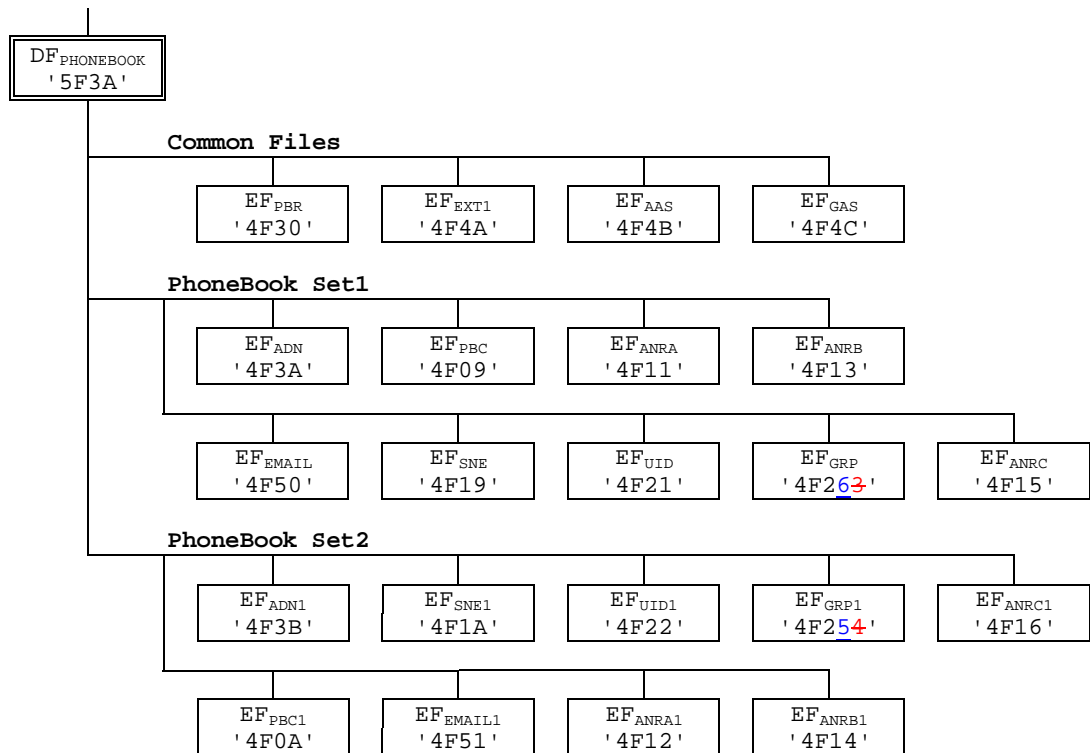


Table G.2: Contents of EF_{PBR}

Rec 1 Tag'A8' L='26' (for Phonebook Set1)

Tag'C0'	L='03'	'4F3A'	'01'	Tag'C5'	L='03'	'4F09'	'02'	Tag'C6'	L='02'	'4F263'	Tag'C4'	L='02'	'4F11'
Tag'C4'	L='02'	'4F13'	Tag'C4'	L='02'	'4F15'	Tag'C3'	L='02'	'4F19'	Tag'C9'	L='02'	'4F21'		
Tag'CA'	L='02'	'4F50'											
Tag'AA'	L='0C'												
Tag'C2'	L='02'	'4F4A'	Tag'C7'	L='02'	'4F4B'	Tag'C8'	L='02'	'4F4C'					

Rec 2 Tag'A8' L='24' (for Phonebook Set 2)

Tag'C0'	L='02'	'4F3B'	Tag'C5'	L='02'	'4F0A'	Tag'C6'	L='02'	'4F254'	Tag'C4'	L='02'	'4F12'
Tag'C4'	L='02'	'4F14'	Tag'C4'	L='02'	'4F16'	Tag'C3'	L='02'	'4F1A'	Tag'C9'	L='02'	'4F22'
Tag'CA'	L='02'	'4F51'									
Tag'AA'	L='0C'										
Tag'C2'	L='02'	'4F4A'	Tag'C7'	L='02'	'4F4B'	Tag'C8'	L='02'	'4F4C'	'FF'	'FF'	

Table G.3: Structure of the 254 first entries in the phonebook

Phone book entry	ADN '4F3A' SFI '01'		PBC '4F09' SFI '02'	GRP '4F263'	ANRA '4F11'	ANRB '4F13'	ANRC '4F15'	SNE '4F19'	UID '4F21'	EXT1 '4F4A'	AAS '4F4B'	GAS '4F4C'	EMAIL '4F50'
# 1	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '02'	Hidden (AID rec N° 3)	Rec n°1 Rec n°3 '00'	ANRA Rec n°1	ANRB Rec n°1	ANRC Rec n°1	Second Name Alpha String	UID	Rec '02'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP	email address
# 2	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '2A'	Not Hidden	Rec n°2 Rec n°1 Rec n°3	ANRA Rec n°2	ANRB Rec n°2	ANRC Rec n°2	Second Name Alpha String	UID	Rec '2A'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP	email address
# 3													
:													
:													
:													
# 254													

Table G.4: Structure of phone book entries 255 to 508 (Rec 1-254)

Phone book entry	ADN1 '4F3B'		PBC1 '4F0A'	GRP1 '4F254'	ANRA1 '4F12'	ANRB1 '4F14'	ANRC1 '4F16'	SNE1 '4F1A'	UID1 '4F22'	EXT1 '4F4A'	AAS '4F4B'	GAS '4F4C'	EMAIL1 '4F51'
#255	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '02'	Hidden (AID Rec n° 3)	Rec n°1 Rec n°3 '00'	ANRA1 Rec n°1	ANRB1 Rec n°1	ANRC1 Rec n°1	Second Name Alpha String	UID	Rec '02'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP1	email address
#256	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '2A'	Not Hidden	Rec n°2 Rec n°1 Rec n°3	ANRA1 Rec n°2	ANRB1 Rec n°2	ANRC1 Rec n°2	Second Name Alpha String	UID	Rec '2A'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP1	email address
#257													
:													
:													
:													
#508													

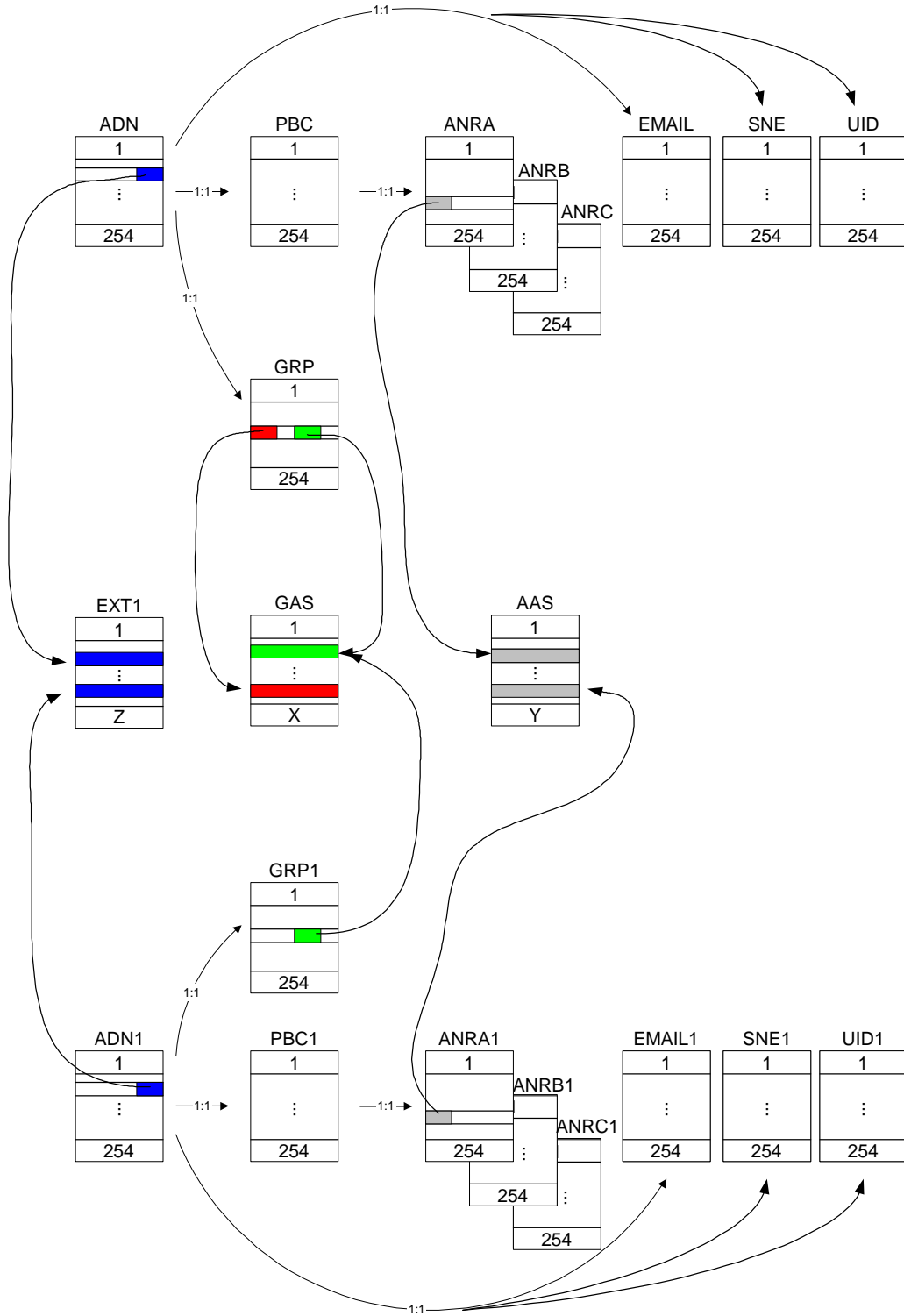


Figure G.1: Structure and Relations of the Example Phone Book

CHANGE REQUEST

⌘ **31.102 CR 146** ⌘ rev **-** ⌘ Current version: **4.8.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Corrections and clarifications		
Source:	⌘ TSG T3		
Work item code:	⌘ TEI	Date:	⌘ 21/05/2003
Category:	⌘ A	Release:	⌘ Rel-4
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ The FIDs 4F23 and 4F24 are assigned to the CC and PUID files respectively and shall not be used by another file. DF _{USIM} is incorrect, it must read ADF _{USIM} .		
Summary of change:	⌘ Change FID of GRP and GRP1 All references to DF _{USIM} are change to ADF _{USIM} .		
Consequences if not approved:	⌘ Inconsistencies within the specification, leading to confusion and misinterpretation.		

Clauses affected:	⌘ 4.4.2, 4.6.2, Annex G										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> </table>	Y	N	⌘	X	⌘	X	⌘	X	Other core specifications	⌘
Y	N										
⌘	X										
⌘	X										
⌘	X										
		Test specifications									
		O&M Specifications									
Other comments:	⌘										

4.4.2 Contents of files at the DF PHONEBOOK level

The UICC may contain a global phonebook, or application specific phonebooks, or both in parallel. When both phonebook types co-exist, they are independent and no data is shared. In this case, it shall be possible for the user to select which phonebook the user would like to access.

It is recommended that the terminal searches for the global phonebook located under $DF_{TELECOM}$ as its presence is not indicated anywhere in the USIM application.

The global phonebook is located in $DF_{PHONEBOOK}$ under $DF_{TELECOM}$. Each specific USIM application phonebook is located in $DF_{PHONEBOOK}$ of its respective Application ADF_{USIM} . The organization of files in $DF_{PHONEBOOK}$ under ADF_{USIM} and under $DF_{TELECOM}$ follows the same rules. Yet $DF_{PHONEBOOK}$ under ADF_{USIM} may contain a different set of files than $DF_{PHONEBOOK}$ under $DF_{TELECOM}$. All phonebook related EFs are located under their respective $DF_{PHONEBOOK}$. USIM specific phonebooks are dedicated to application specific entries. Each application specific phonebook is protected by the application PIN.

EF_{ADN} and EF_{PBR} shall always be present if the $DF_{PHONEBOOK}$ is present. If any phonebook file other than EF_{ADN} or EF_{EXT1} , is used, then EF_{PBC} shall be present.

If a GSM application resides on the UICC, the EFs ADN and EXT1 from one $DF_{PHONEBOOK}$ (defined at GSM application installation) are mapped to $DF_{TELECOM}$. Their file IDs are specified in 3GPP TS 51.011 [18], i.e. $EF_{ADN} = '6F3A'$ and $EF_{EXT1} = '6F4A'$, respectively.

If the UICC is inserted into a terminal accessing the ADN and EXT1 files under $DF_{TELECOM}$; and a record in these files has been updated, a flag in the corresponding entry control information in the EF_{PBC} is set from 0 to 1 by the UICC. If the UICC is later inserted into a terminal that supports the 3G phonebook, the terminal shall check the flag in EF_{PBC} and if this flag is set, shall update the EF_{CC} , and then reset the flag. A flag set in EF_{PBC} results in a full synchronization of the phonebook between an external entity and the UICC (if synchronization is requested).

The EF structure related to the public phonebook is located under $DF_{PHONEBOOK}$ in $DF_{TELECOM}$. A USIM specific phonebook may exist for application specific entries. The application specific phonebook is protected by the application PIN. The organization of files in the application specific phonebook follows the same rules as the one specified for the public phone book under $DF_{TELECOM}$. The application specific phonebook may contain a different set of files than the one in the public area under $DF_{TELECOM}$.

4.6.2 Contents of files at the $DF_{PHONEBOOK}$ under the $DF_{TELECOM}$

This DF has the same structure as $DF_{PHONEBOOK}$ under the ADF_{USIM} .

Annex G (informative): Phonebook Example

This example phonebook has more than 254 entries. Additional number (3 additional numbers) information, second name and e-mail information can be added to each ADN entry. In addition each entry has a 2 byte Unique ID (UID) attached to it. The phonebook also contains three files that are shared EF_{EXT1} , EF_{AAS} and EF_{GAS} . These files are addressed from inside a file. EF_{EXT1} is addressed via EF_{ADN} , EF_{ADN1} , EF_{AAS} is addressed via EF_{ANRA1} , EF_{ANRA1} and EF_{GAS} is addressed via EF_{GRP} , EF_{GRP1} . The phonebook supports two levels of grouping and hidden entries in EF_{PBC} .

Two records are needed in the phonebook reference file PBR '4F30' for supporting more than 254 entries. The content of the phonebook reference file PBR '4F30' records is as shown in table G.2. The structure of the $DF_{PHONEBOOK}$ is shown in table G.1.

The content of phonebook entries in the range from 1-508 is described in the tables G.3 and G.4.

Table G.1: Structure of EFs inside DF_{PHONEBOOK}

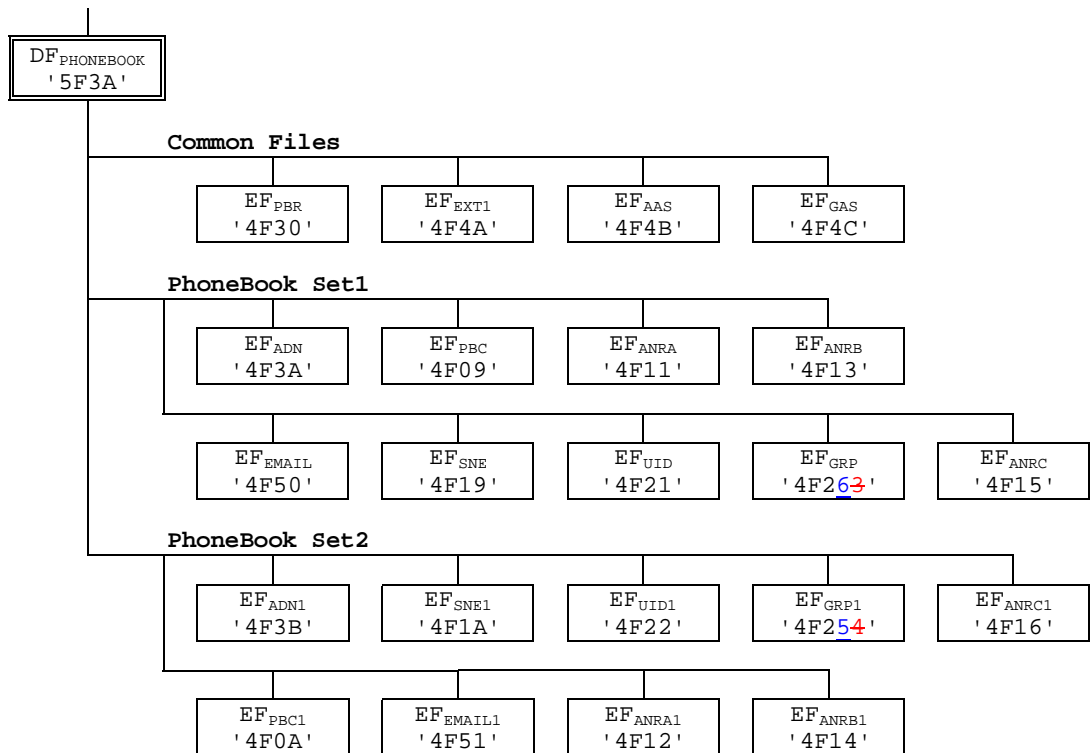


Table G.2: Contents of EF_{PBR}

Rec 1 Tag'A8' L='26' (for Phonebook Set1)

Tag'C0' L='03' '4F3A' '01' Tag'C5' L='03' '4F09' '02' Tag'C6' L='02' '4F263' Tag'C4' L='02' '4F11'

Tag'C4' L='02' '4F13' Tag'C4' L='02' '4F15' Tag'C3' L='02' '4F19' Tag'C9' L='02' '4F21'

Tag'CA' L='02' '4F50'

Tag'AA' L='0C'

Tag'C2' L='02' '4F4A' Tag'C7' L='02' '4F4B' Tag'C8' L='02' '4F4C'

Rec 2 Tag'A8' L='24' (for Phonebook Set 2)

Tag'C0' L='02' '4F3B' Tag'C5' L='02' '4F0A' Tag'C6' L='02' '4F254' Tag'C4' L='02' '4F12'

Tag'C4' L='02' '4F14' Tag'C4' L='02' '4F16' Tag'C3' L='02' '4F1A' Tag'C9' L='02' '4F22'

Tag'CA' L='02' '4F51'

Tag'AA' L='0C'

Tag'C2' L='02' '4F4A' Tag'C7' L='02' '4F4B' Tag'C8' L='02' '4F4C' 'FF' 'FF'

Table G.3: Structure of the 254 first entries in the phonebook

Phone book entry	ADN '4F3A' SFI '01'		PBC '4F09' SFI '02'	GRP '4F26'3	ANRA '4F11'	ANRB '4F13'	ANRC '4F15'	SNE '4F19'	UID '4F21'	EXT1 '4F4A'	AAS '4F4B'	GAS '4F4C'	EMAIL '4F50'
# 1	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '02'	Hidden (AID rec N° 3)	Rec n°1 Rec n°3 '00'	ANRA Rec n°1	ANRB Rec n°1	ANRC Rec n°1	Second Name Alpha String	UID	Rec '02'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP	email address
# 2	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '2A'	Not Hidden	Rec n°2 Rec n°1 Rec n°3	ANRA Rec n°2	ANRB Rec n°2	ANRC Rec n°2	Second Name Alpha String	UID	Rec '2A'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP	email address
# 3													
:													
:													
:													
# 254													

Table G.4: Structure of phone book entries 255 to 508 (Rec 1-254)

Phone book entry	ADN1 '4F3B'		PBC1 '4F0A'	GRP1 '4F25'4	ANRA1 '4F12'	ANRB1 '4F14'	ANRC1 '4F16'	SNE1 '4F1A'	UID1 '4F22'	EXT1 '4F4A'	AAS '4F4B'	GAS '4F4C'	EMAIL1 '4F51'
#255	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '02'	Hidden (AID Rec n° 3)	Rec n°1 Rec n°3 '00'	ANRA1 Rec n°1	ANRB1 Rec n°1	ANRC1 Rec n°1	Second Name Alpha String	UID	Rec '02'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP1	email address
#256	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '2A'	Not Hidden	Rec n°2 Rec n°1 Rec n°3	ANRA1 Rec n°2	ANRB1 Rec n°2	ANRC1 Rec n°2	Second Name Alpha String	UID	Rec '2A'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP1	email address
#257													
:													
:													
:													
#508													

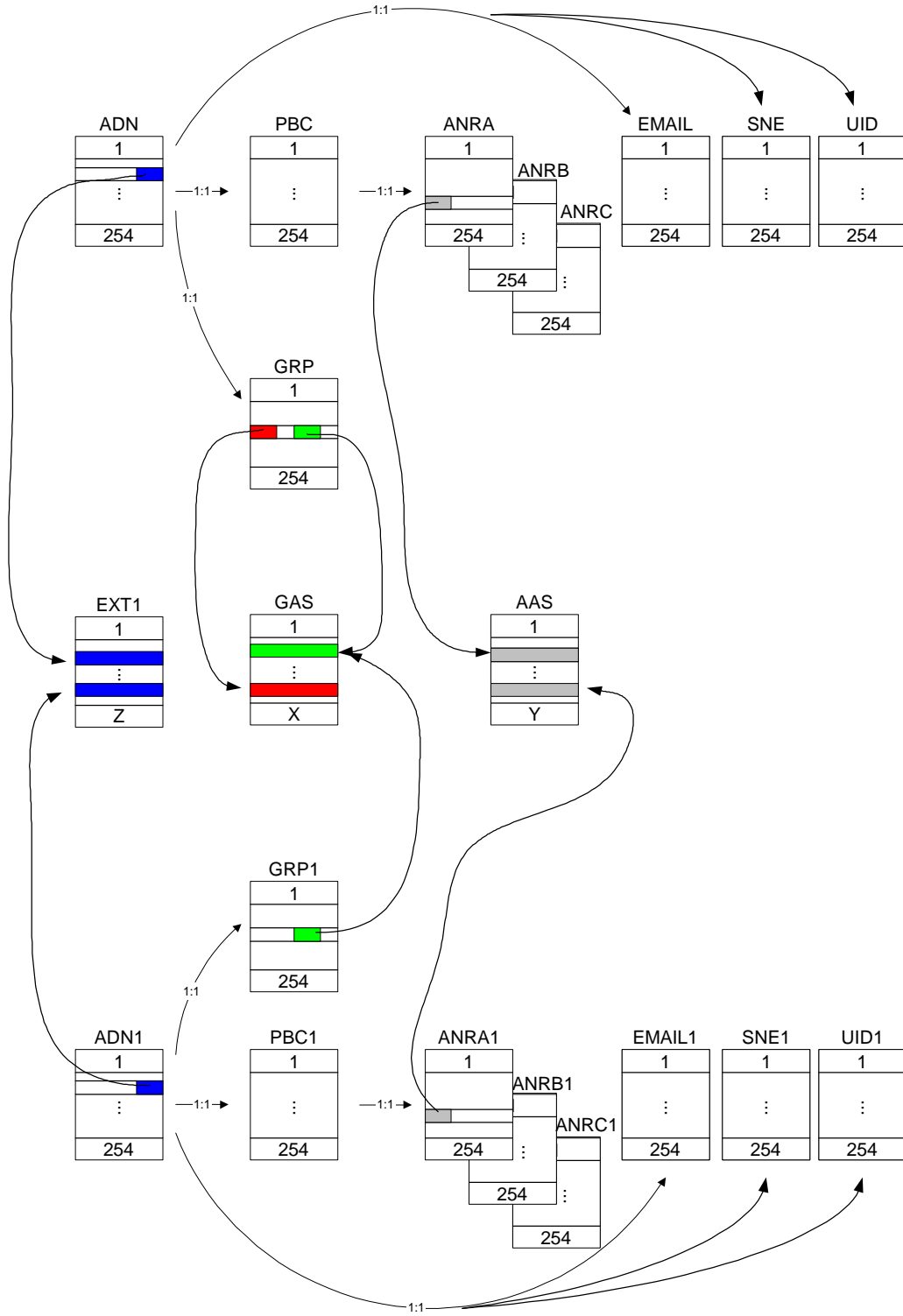


Figure G.1: Structure and Relations of the Example Phone Book

CHANGE REQUEST

⌘ **31.102 CR 147** ⌘ rev **-** ⌘ Current version: **5.4.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Corrections and clarifications		
Source:	⌘ TSG T3		
Work item code:	⌘ TEI	Date:	⌘ 21/05/2003
Category:	⌘ A	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ The FIDs 4F23 and 4F24 are assigned to the CC and PUID files respectively and shall not be used by another file. DF _{USIM} is incorrect, it must read ADF _{USIM} .		
Summary of change:	⌘ Change FID of GRP and GRP1 All references to DF _{USIM} are change to ADF _{USIM} .		
Consequences if not approved:	⌘ Inconsistencies within the specification, leading to confusion and misinterpretation.		

Clauses affected:	⌘ 4.4.2, 4.6.2, Annex G										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> </table>	Y	N	⌘	X	⌘	X	⌘	X	Other core specifications	⌘
Y	N										
⌘	X										
⌘	X										
⌘	X										
		Test specifications									
		O&M Specifications									
Other comments:	⌘										

4.4.2 Contents of files at the DF PHONEBOOK level

The UICC may contain a global phonebook, or application specific phonebooks, or both in parallel. When both phonebook types co-exist, they are independent and no data is shared. In this case, it shall be possible for the user to select which phonebook the user would like to access.

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The global phonebook is located in $DF_{PHONEBOOK}$ under $DF_{TELECOM}$. Each specific USIM application phonebook is located in $DF_{PHONEBOOK}$ of its respective Application ADF_{USIM} . The organization of files in $DF_{PHONEBOOK}$ under ADF_{USIM} and under $DF_{TELECOM}$ follows the same rules. Yet $DF_{PHONEBOOK}$ under ADF_{USIM} may contain a different set of files than $DF_{PHONEBOOK}$ under $DF_{TELECOM}$. All phonebook related EFs are located under their respective $DF_{PHONEBOOK}$. USIM specific phonebooks are dedicated to application specific entries. Each application specific phonebook is protected by the application PIN.

EF_{ADN} and EF_{PBR} shall always be present if the $DF_{PHONEBOOK}$ is present. If any phonebook file other than EF_{ADN} or EF_{EXT1} is used, then EF_{PBC} shall be present.

If a GSM application resides on the UICC, the EFs ADN and EXT1 from one $DF_{PHONEBOOK}$ (defined at GSM application installation) are mapped to $DF_{TELECOM}$. Their file IDs are specified in 3GPP TS 51.011 [18], i.e. $EF_{ADN} = '6F3A'$ and $EF_{EXT1} = '6F4A'$, respectively.

If the UICC is inserted into a terminal accessing the ADN and EXT1 files under $DF_{TELECOM}$; and a record in these files has been updated, a flag in the corresponding entry control information in the EF_{PBC} is set from 0 to 1 by the UICC. If the UICC is later inserted into a terminal that supports the 3G phonebook, the terminal shall check the flag in EF_{PBC} and if this flag is set, shall update the EF_{CC} , and then reset the flag. A flag set in EF_{PBC} results in a full synchronization of the phonebook between an external entity and the UICC (if synchronization is requested).

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4.6.2 Contents of files at the $DF_{PHONEBOOK}$ under the $DF_{TELECOM}$

This DF has the same structure as $DF_{PHONEBOOK}$ under the ADF_{USIM} .

Annex G (informative): Phonebook Example

This example phonebook has more than 254 entries. Additional number (3 additional numbers) information, second name and e-mail information can be added to each ADN entry. In addition each entry has a 2 byte Unique ID (UID) attached to it. The phonebook also contains three files that are shared EF_{EXT1} , EF_{AAS} and EF_{GAS} . These files are addressed from inside a file. EF_{EXT1} is addressed via EF_{ADN} , EF_{ADN1} , EF_{AAS} is addressed via EF_{ANRA1} , EF_{ANRA1} and EF_{GAS} is addressed via EF_{GRP} , EF_{GRP1} . The phonebook supports two levels of grouping and hidden entries in EF_{PBC} .

Two records are needed in the phonebook reference file PBR '4F30' for supporting more than 254 entries. The content of the phonebook reference file PBR '4F30' records is as shown in table G.2. The structure of the $DF_{PHONEBOOK}$ is shown in table G.1.

The content of phonebook entries in the range from 1-508 is described in the tables G.3 and G.4.

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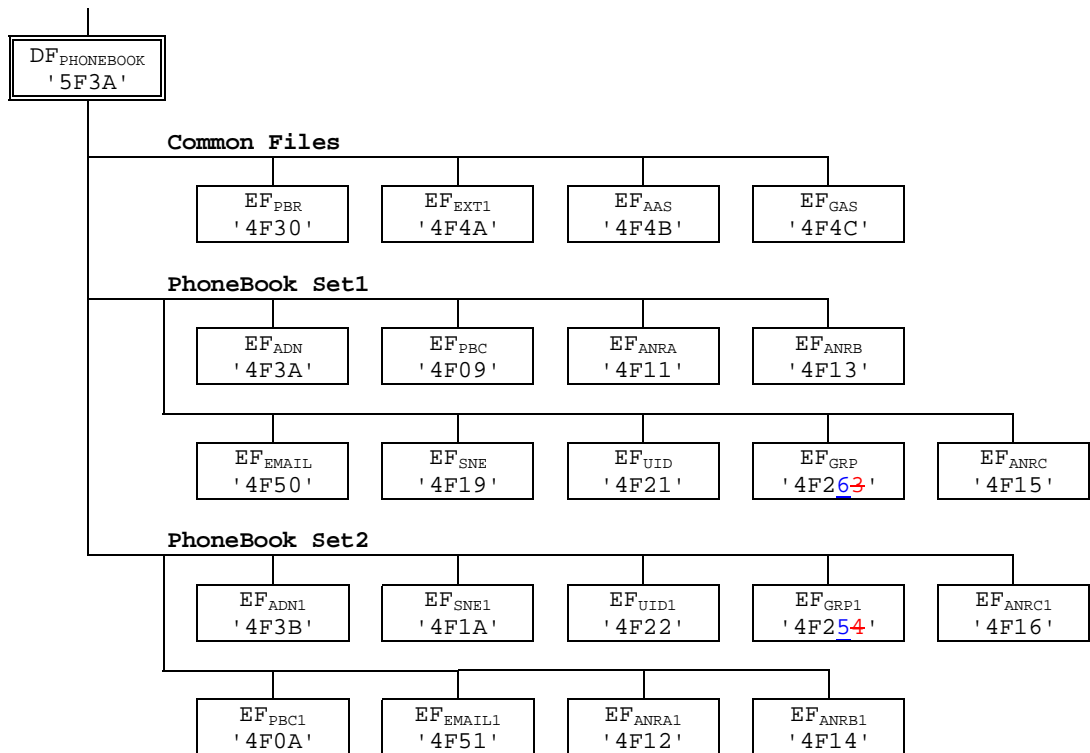


Table G.2: Contents of EF_{PBR}

Rec 1 Tag'A8' L='26' (for Phonebook Set1)

Tag'C0' L='03' '4F3A' '01' Tag'C5' L='03' '4F09' '02' Tag'C6' L='02' '4F263' Tag'C4' L='02' '4F11'

Tag'C4' L='02' '4F13' Tag'C4' L='02' '4F15' Tag'C3' L='02' '4F19' Tag'C9' L='02' '4F21'

Tag'CA' L='02' '4F50'

Tag'AA' L='0C'

Tag'C2' L='02' '4F4A' Tag'C7' L='02' '4F4B' Tag'C8' L='02' '4F4C'

Rec 2 Tag'A8' L='24' (for Phonebook Set 2)

Tag'C0' L='02' '4F3B' Tag'C5' L='02' '4F0A' Tag'C6' L='02' '4F254' Tag'C4' L='02' '4F12'

Tag'C4' L='02' '4F14' Tag'C4' L='02' '4F16' Tag'C3' L='02' '4F1A' Tag'C9' L='02' '4F22'

Tag'CA' L='02' '4F51'

Tag'AA' L='0C'

Tag'C2' L='02' '4F4A' Tag'C7' L='02' '4F4B' Tag'C8' L='02' '4F4C' 'FF' 'FF'

Table G.3: Structure of the 254 first entries in the phonebook

Phone book entry	ADN '4F3A' SFI '01'		PBC '4F09' SFI '02'	GRP '4F26 ³ '	ANRA '4F11'	ANRB '4F13'	ANRC '4F15'	SNE '4F19'	UID '4F21'	EXT1 '4F4A'	AAS '4F4B'	GAS '4F4C'	EMAIL '4F50'
# 1	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '02'	Hidden (AID rec N° 3)	Rec n°1 Rec n°3 '00'	ANRA Rec n°1	ANRB Rec n°1	ANRC Rec n°1	Second Name Alpha String	UID	Rec '02'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP	email address
# 2	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '2A'	Not Hidden	Rec n°2 Rec n°1 Rec n°3	ANRA Rec n°2	ANRB Rec n°2	ANRC Rec n°2	Second Name Alpha String	UID	Rec '2A'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP	email address
# 3													
:													
:													
:													
# 254													

Table G.4: Structure of phone book entries 255 to 508 (Rec 1-254)

Phone book entry	ADN1 '4F3B'		PBC1 '4F0A'	GRP1 '4F25 ⁴ '	ANRA1 '4F12'	ANRB1 '4F14'	ANRC1 '4F16'	SNE1 '4F1A'	UID1 '4F22'	EXT1 '4F4A'	AAS '4F4B'	GAS '4F4C'	EMAIL1 '4F51'
#255	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '02'	Hidden (AID Rec n° 3)	Rec n°1 Rec n°3 '00'	ANRA1 Rec n°1	ANRB1 Rec n°1	ANRC1 Rec n°1	Second Name Alpha String	UID	Rec '02'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP1	email address
#256	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '2A'	Not Hidden	Rec n°2 Rec n°1 Rec n°3	ANRA1 Rec n°2	ANRB1 Rec n°2	ANRC1 Rec n°2	Second Name Alpha String	UID	Rec '2A'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP1	email address
#257													
:													
:													
:													
#508													

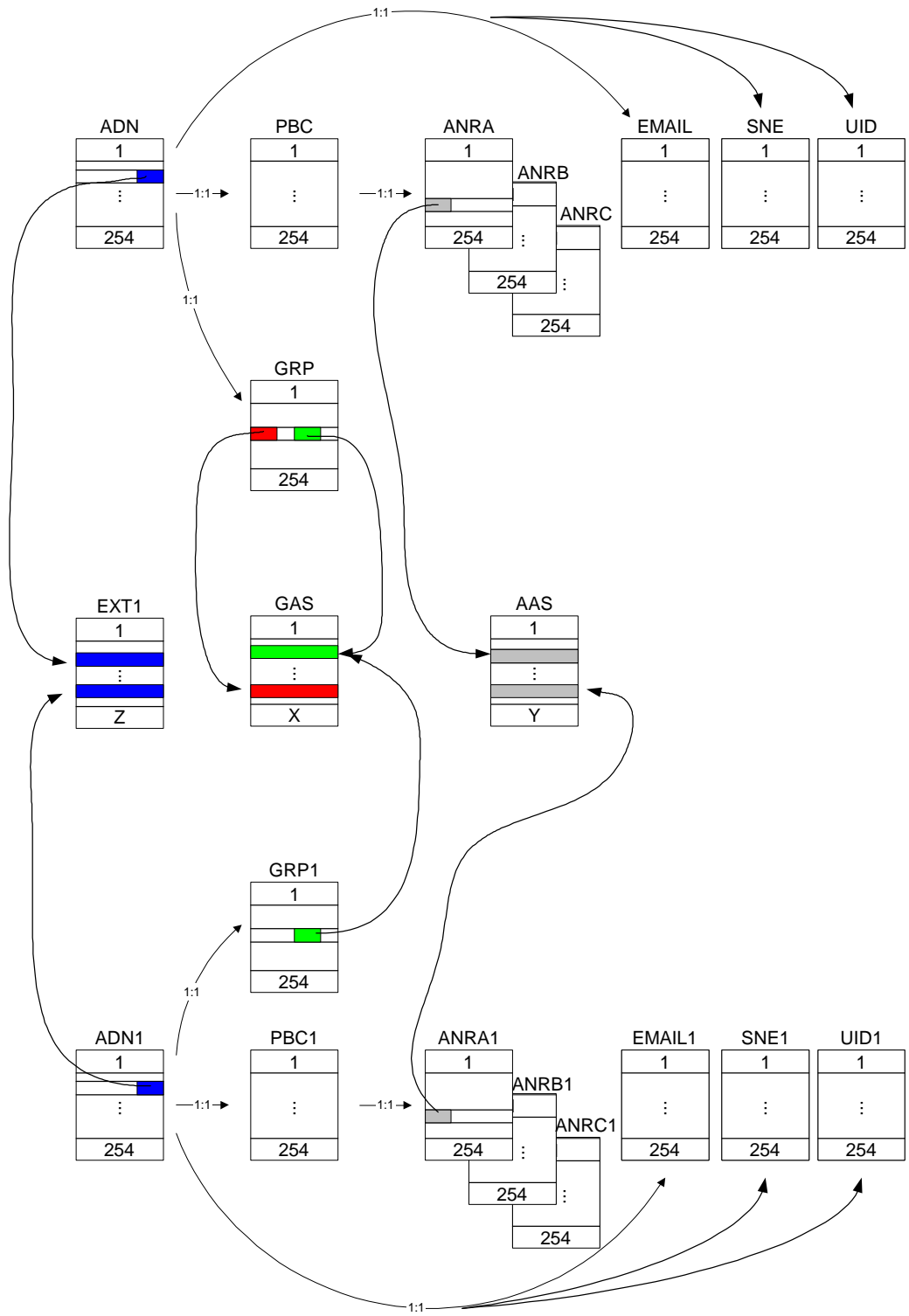


Figure G.1: Structure and Relations of the Example Phone Book

CHANGE REQUEST

⌘ **31.102 CR 148** ⌘ rev **-** ⌘ Current version: **6.1.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Corrections and clarifications		
Source:	⌘ TSG T3		
Work item code:	⌘ TEI	Date:	⌘ 21/05/2003
Category:	⌘ A	Release:	⌘ Rel-6
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	⌘ The FIDs 4F23 and 4F24 are assigned to the CC and PUID files respectively and shall not be used by another file. DF _{USIM} is incorrect, it must read ADF _{USIM} .		
Summary of change:	⌘ Change FID of GRP and GRP1 All references to DF _{USIM} are change to ADF _{USIM} .		
Consequences if not approved:	⌘ Inconsistencies within the specification, leading to confusion and misinterpretation.		

Clauses affected:	⌘ 4.4.2, 4.6.2, Annex G										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> </table>	Y	N	⌘	X	⌘	X	⌘	X	Other core specifications	⌘
Y	N										
⌘	X										
⌘	X										
⌘	X										
		Test specifications									
		O&M Specifications									
Other comments:	⌘										

4.4.2 Contents of files at the DF PHONEBOOK level

The UICC may contain a global phonebook, or application specific phonebooks, or both in parallel. When both phonebook types co-exist, they are independent and no data is shared. In this case, it shall be possible for the user to select which phonebook the user would like to access.

It is recommended that the terminal searches for the global phonebook located under $DF_{TELECOM}$ as its presence is not indicated anywhere in the USIM application.

The global phonebook is located in $DF_{PHONEBOOK}$ under $DF_{TELECOM}$. Each specific USIM application phonebook is located in $DF_{PHONEBOOK}$ of its respective Application ADF_{USIM} . The organization of files in $DF_{PHONEBOOK}$ under ADF_{USIM} and under $DF_{TELECOM}$ follows the same rules. Yet $DF_{PHONEBOOK}$ under ADF_{USIM} may contain a different set of files than $DF_{PHONEBOOK}$ under $DF_{TELECOM}$. All phonebook related EFs are located under their respective $DF_{PHONEBOOK}$. USIM specific phonebooks are dedicated to application specific entries. Each application specific phonebook is protected by the application PIN.

EF_{ADN} and EF_{PBR} shall always be present if the $DF_{PHONEBOOK}$ is present. If any phonebook file other than EF_{ADN} or EF_{EXT1} is used, then EF_{PBC} shall be present.

If a GSM application resides on the UICC, the EFs ADN and EXT1 from one $DF_{PHONEBOOK}$ (defined at GSM application installation) are mapped to $DF_{TELECOM}$. Their file IDs are specified in 3GPP TS 51.011 [18], i.e. $EF_{ADN} = '6F3A'$ and $EF_{EXT1} = '6F4A'$, respectively.

If the UICC is inserted into a terminal accessing the ADN and EXT1 files under $DF_{TELECOM}$; and a record in these files has been updated, a flag in the corresponding entry control information in the EF_{PBC} is set from 0 to 1 by the UICC. If the UICC is later inserted into a terminal that supports the 3G phonebook, the terminal shall check the flag in EF_{PBC} and if this flag is set, shall update the EF_{CC} , and then reset the flag. A flag set in EF_{PBC} results in a full synchronization of the phonebook between an external entity and the UICC (if synchronization is requested).

The EF structure related to the public phonebook is located under $DF_{PHONEBOOK}$ in $DF_{TELECOM}$. A USIM specific phonebook may exist for application specific entries. The application specific phonebook is protected by the application PIN. The organization of files in the application specific phonebook follows the same rules as the one specified for the public phone book under $DF_{TELECOM}$. The application specific phonebook may contain a different set of files than the one in the public area under $DF_{TELECOM}$.

4.6.2 Contents of files at the $DF_{PHONEBOOK}$ under the $DF_{TELECOM}$

This DF has the same structure as $DF_{PHONEBOOK}$ under the ADF_{USIM} .

Annex G (informative): Phonebook Example

This example phonebook has more than 254 entries. Additional number (3 additional numbers) information, second name and e-mail information can be added to each ADN entry. In addition each entry has a 2 byte Unique ID (UID) attached to it. The phonebook also contains three files that are shared EF_{EXT1} , EF_{AAS} and EF_{GAS} . These files are addressed from inside a file. EF_{EXT1} is addressed via EF_{ADN} , EF_{ADN1} , EF_{AAS} is addressed via EF_{ANRA1} , EF_{ANRA1} and EF_{GAS} is addressed via EF_{GRP} , EF_{GRP1} . The phonebook supports two levels of grouping and hidden entries in EF_{PBC} .

Two records are needed in the phonebook reference file PBR '4F30' for supporting more than 254 entries. The content of the phonebook reference file PBR '4F30' records is as shown in table G.2. The structure of the $DF_{PHONEBOOK}$ is shown in table G.1.

The content of phonebook entries in the range from 1-508 is described in the tables G.3 and G.4.

Table G.1: Structure of EFs inside DF_{PHONEBOOK}

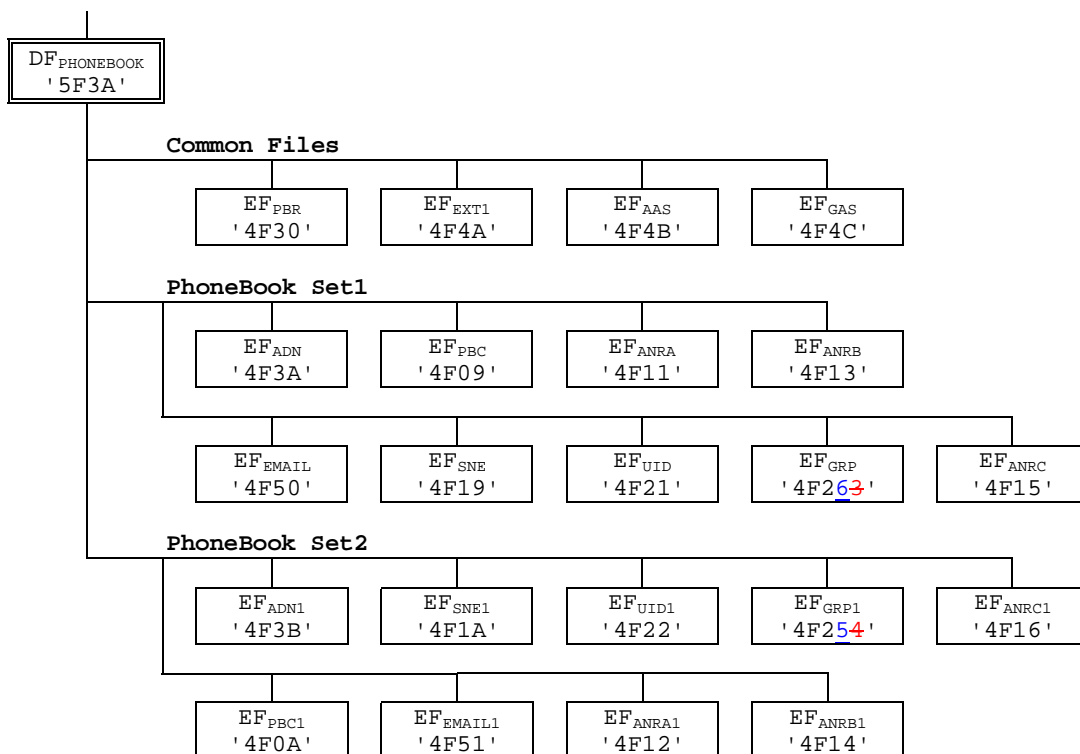


Table G.2: Contents of EF_{PBR}

Rec 1 Tag'A8' L='26' (for Phonebook Set1)

Tag'C0' L='03' '4F3A' '01' Tag'C5' L='03' '4F09' '02' Tag'C6' L='02' '4F263' Tag'C4' L='02' '4F11'

Tag'C4' L='02' '4F13' Tag'C4' L='02' '4F15' Tag'C3' L='02' '4F19' Tag'C9' L='02' '4F21'

Tag'CA' L='02' '4F50'

Tag'AA' L='0C'

Tag'C2' L='02' '4F4A' Tag'C7' L='02' '4F4B' Tag'C8' L='02' '4F4C'

Rec 2 Tag'A8' L='24' (for Phonebook Set 2)

Tag'C0' L='02' '4F3B' Tag'C5' L='02' '4F0A' Tag'C6' L='02' '4F254' Tag'C4' L='02' '4F12'

Tag'C4' L='02' '4F14' Tag'C4' L='02' '4F16' Tag'C3' L='02' '4F1A' Tag'C9' L='02' '4F22'

Tag'CA' L='02' '4F51'

Tag'AA' L='0C'

Tag'C2' L='02' '4F4A' Tag'C7' L='02' '4F4B' Tag'C8' L='02' '4F4C' 'FF' 'FF'

Table G.3: Structure of the 254 first entries in the phonebook

Phone book entry	ADN '4F3A' SFI '01'		PBC '4F09' SFI '02'	GRP '4F26 ³ '	ANRA '4F11'	ANRB '4F13'	ANRC '4F15'	SNE '4F19'	UID '4F21'	EXT1 '4F4A'	AAS '4F4B'	GAS '4F4C'	EMAIL '4F50'
# 1	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '02'	Hidden (AID rec N° 3)	Rec n°1 Rec n°3 '00'	ANRA Rec n°1	ANRB Rec n°1	ANRC Rec n°1	Second Name Alpha String	UID	Rec '02'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP	email address
# 2	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '2A'	Not Hidden	Rec n°2 Rec n°1 Rec n°3	ANRA Rec n°2	ANRB Rec n°2	ANRC Rec n°2	Second Name Alpha String	UID	Rec '2A'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP	email address
# 3													
:													
:													
:													
# 254													

Table G.4: Structure of phone book entries 255 to 508 (Rec 1-254)

Phone book entry	ADN1 '4F3B'		PBC1 '4F0A'	GRP1 '4F25 ⁴ '	ANRA1 '4F12'	ANRB1 '4F14'	ANRC1 '4F16'	SNE1 '4F1A'	UID1 '4F22'	EXT1 '4F4A'	AAS '4F4B'	GAS '4F4C'	EMAIL1 '4F51'
#255	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '02'	Hidden (AID Rec n° 3)	Rec n°1 Rec n°3 '00'	ANRA1 Rec n°1	ANRB1 Rec n°1	ANRC1 Rec n°1	Second Name Alpha String	UID	Rec '02'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP1	email address
#256	ADN Content Bytes (1-(X+13))	EXT1 Ident. (Byte X+14): Rec '2A'	Not Hidden	Rec n°2 Rec n°1 Rec n°3	ANRA1 Rec n°2	ANRB1 Rec n°2	ANRC1 Rec n°2	Second Name Alpha String	UID	Rec '2A'	Record numbers as defined in the ANRs	Record no.'s as defined in GRP1	email address
#257													
:													
:													
:													
#508													

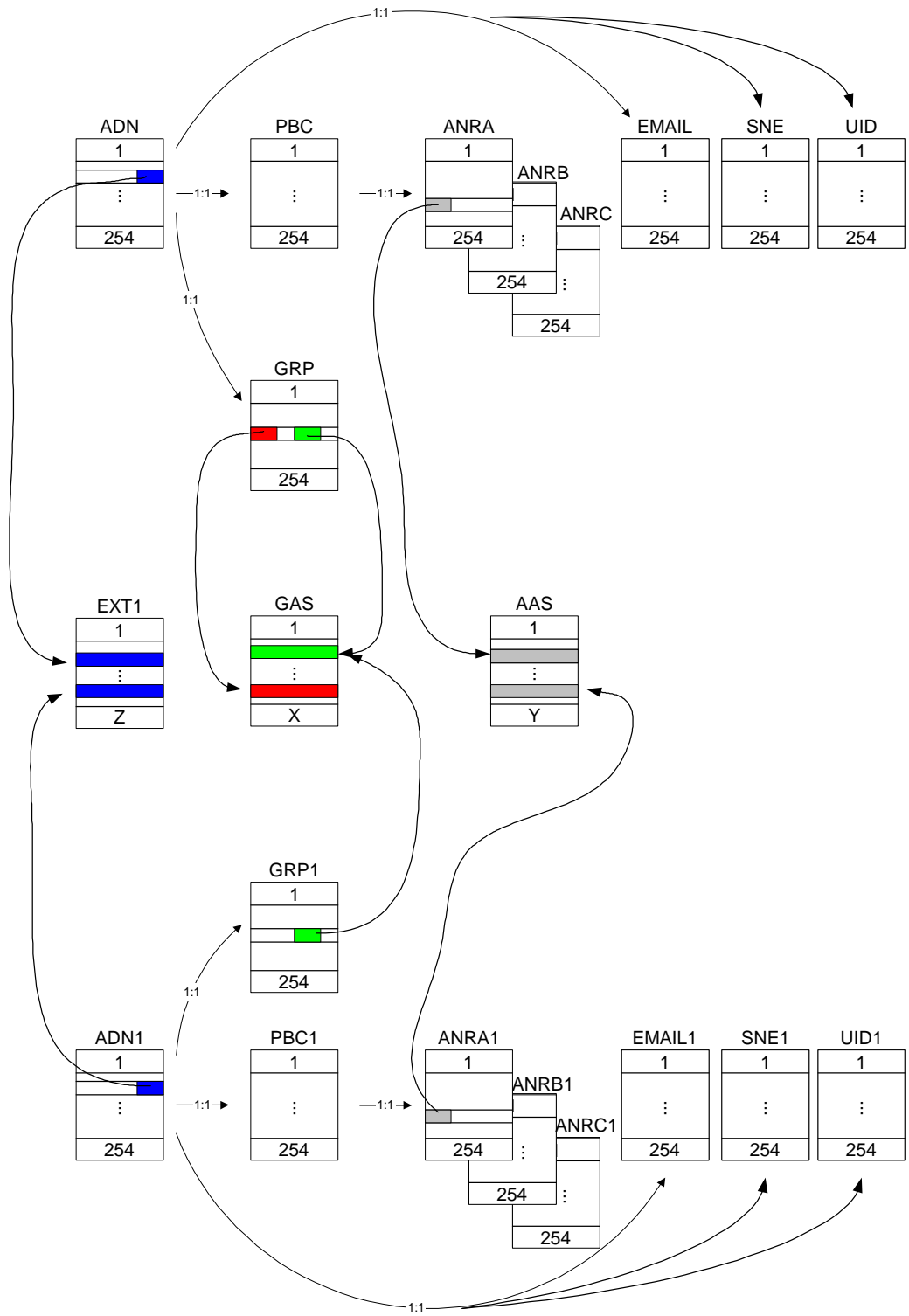


Figure G.1: Structure and Relations of the Example Phone Book

CHANGE REQUEST

31.102 CR 149
rev -
Current version: 3.12.0

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the **⌘** symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Clarification on the support of extra guardtime		
Source:	⌘ T3		
Work item code:	⌘ TEI	Date:	⌘ 23/05/2003
Category:	⌘ F	Release:	⌘ R99
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘ By referencing ISO 7816-3, SCP 102 221, referenced by TS 31.102, was implicitly requiring the terminal to support the addition of extra guardtimes, if indicated by the card in the ATR. This requirement was not intended by T3, so the specification needs to be corrected. As most terminals did not implement this feature and the UICCs known so far did not count on it, no negative impact is expected from this modification.
Summary of change:	⌘ Clarify that the ISO mechanism for negotiation of extra guardtime does not have to be supported by 3GPP terminals.
Consequences if not approved:	⌘ Possible interworking problems if future cards expect the feature to be supported, while it is not generally implemented.

Clauses affected:	⌘ 8										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications ⌘	Y	N		X		X		X		
Y	N										
	X										
	X										
	X										
		Test specifications									
		O&M Specifications									
Other comments:	⌘										

8 UICC Characteristics

8.1 Voltage classes

A UICC holding a USIM application shall support at least two consecutive voltage classes as defined in TS 31.101 [11], e.g. AB or BC. If the UICC supports more than two classes, they shall all be consecutive, e.g. ABC.

8.2 File Control Parameters (FCP)

This clause defines the contents of the data objects which are part of the FCP information where there is a difference compared to the values as specified in TS 31.101 [11]. This section also specifies values for data objects in the FCP information where there is no exact value given in TS 31.101 [11] and there is a need for such from the USIM application point of view.

8.2.1 Minimum application clock frequency

This data object is indicated by tag '82' in the proprietary constructed data object in the FCP information, identified by tag 'A5', as defined in TS 31.101 [11]. This data object specifies the minimum clock frequency to be provided by the terminal during the USIM session. The value indicated in this data object shall not exceed 3 MHz, corresponding to '1E'. The terminal shall use a clock frequency between the value specified by this data object and the maximum clock frequency for the UICC as defined in TS 31.101 [11]. If this data object is not present in the FCP response or the value is 'FF' then the terminal shall assume that the minimum clock frequency is 1 MHz.

8.3 Interface protocol

No extra guard time, indicated in TC1 in the ATR, needs to be supported when sending characters from the terminal to the card. The terminal may reject a UICC indicating values other than 0 or 255 in TC1.

CHANGE REQUEST

⌘ **31.102 CR 150** ⌘ rev **-** ⌘ Current version: **4.8.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Clarification on the support of extra guardtime		
Source:	⌘ T3		
Work item code:	⌘ TEI	Date:	⌘ 23/05/2003
Category:	⌘ F	Release:	⌘ Rel-4
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘ By referencing ISO 7816-3, SCP 102 221, referenced by TS 31.102, was implicitly requiring the terminal to support the addition of extra guardtimes, if indicated by the card in the ATR. This requirement was not intended by T3, so the specification needs to be corrected. As most terminals did not implement this feature and the UICCs known so far did not count on it, no negative impact is expected from this modification.
Summary of change:	⌘ Clarify that the ISO mechanism for negotiation of extra guardtime does not have to be supported by 3GPP terminals.
Consequences if not approved:	⌘ Possible interworking problems if future cards expect the feature to be supported, while it is not generally implemented.

Clauses affected:	⌘ 8										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘	Y	N	⌘	X	⌘	X	⌘	X		
Y	N										
⌘	X										
⌘	X										
⌘	X										
Other comments:	⌘										

8 UICC Characteristics

The UICC characteristics are defined in TS 31.101 [11]. As TS 31.101 [11] refers to TS 102 221 [37] for the details of the characteristics, and because the scope of TS 102 221 [37] also encompasses other mobile systems, it is necessary to list those issues which are not applicable to the USIM application, which deviate from TS 102 221 [37] or options which require further precision. This clause contains such information.

8.1 Voltage classes

A UICC holding a USIM application shall support at least two consecutive voltage classes as defined in TS 31.101 [11], e.g. AB or BC. If the UICC supports more than two classes, they shall all be consecutive, e.g. ABC.

8.2 File Control Parameters (FCP)

This clause defines the contents of the data objects which are part of the FCP information where there is a difference compared to the values as specified in TS 31.101 [11]. This clause also specifies values for data objects in the FCP information where there is no exact value given in TS 31.101 [11] and there is a need for such from the USIM application point of view.

8.2.1 Minimum application clock frequency

This data object is indicated by tag '82' in the proprietary constructed data object in the FCP information, identified by tag 'A5', as defined in TS 31.101 [11]. This data object specifies the minimum clock frequency to be provided by the terminal during the USIM session. The value indicated in this data object shall not exceed 3 MHz, corresponding to '1E'. The terminal shall use a clock frequency between the value specified by this data object and the maximum clock frequency for the UICC as defined in TS 31.101 [11]. If this data object is not present in the FCP response or the value is 'FF' then the terminal shall assume that the minimum clock frequency is 1 MHz.

8.3 Optional commands

The following command is optional for the USIM application:

- GET CHALLENGE command.

8.4 Interface protocol

No extra guard time, indicated in TC1 in the ATR, needs to be supported when sending characters from the terminal to the card. The terminal may reject a UICC indicating values other than 0 or 255 in TC1.

CHANGE REQUEST

31.102 CR 151 rev - Current version: 5.4.0

For [HELP](#) on using this form, see bottom of this page or look at the pop-up text over the symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	Clarification on the support of extra guardtime		
Source:	T3		
Work item code:	TEI	Date:	23/05/2003
Category:	A	Release:	Rel-5
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	By referencing ISO 7816-3, SCP 102 221, referenced by TS 31.102, was implicitly requiring the terminal to support the addition of extra guardtimes, if indicated by the card in the ATR. This requirement was not intended by T3, so the specification needs to be corrected. As most terminals did not implement this feature and the UICCs known so far did not count on it, no negative impact is expected from this modification.
Summary of change:	Clarify that the ISO mechanism for negotiation of extra guardtime does not have to be supported by 3GPP terminals.
Consequences if not approved:	Possible interworking problems if future cards expect the feature to be supported, while it is not generally implemented.

Clauses affected:	8.4 new section added										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications Test specifications O&M Specifications	Y	N		X		X		X		
Y	N										
	X										
	X										
	X										
Other comments:											

8 UICC Characteristics

The UICC characteristics are defined in TS 31.101 [11]. As TS 31.101 [11] refers to TS 102 221 [37] for the details of the characteristics, and because the scope of TS 102 221 [37] also encompasses other mobile systems, it is necessary to list those issues which are not applicable to the USIM application, which deviate from TS 102 221 [37] or options which require further precision. This clause contains such information.

8.1 Voltage classes

A UICC holding a USIM application shall support at least two consecutive voltage classes as defined in TS 31.101 [11], e.g. AB or BC. If the UICC supports more than two classes, they shall all be consecutive, e.g. ABC.

8.2 File Control Parameters (FCP)

This clause defines the contents of the data objects which are part of the FCP information where there is a difference compared to the values as specified in TS 31.101 [11]. This clause also specifies values for data objects in the FCP information where there is no exact value given in TS 31.101 [11] and there is a need for such from the USIM application point of view.

8.2.1 Minimum application clock frequency

This data object is indicated by tag '82' in the proprietary constructed data object in the FCP information, identified by tag 'A5', as defined in TS 31.101 [11]. This data object specifies the minimum clock frequency to be provided by the terminal during the USIM session. The value indicated in this data object shall not exceed 3 MHz, corresponding to '1E'. The terminal shall use a clock frequency between the value specified by this data object and the maximum clock frequency for the UICC as defined in TS 31.101 [11]. If this data object is not present in the FCP response or the value is 'FF' then the terminal shall assume that the minimum clock frequency is 1 MHz.

8.3 Optional commands

The following command is optional for the USIM application:

- GET CHALLENGE command.

8.4 Interface protocol

No extra guard time, indicated in TC1 in the ATR, needs to be supported when sending characters from the terminal to the card. The terminal may reject a UICC indicating values other than 0 or 255 in TC1.

CHANGE REQUEST

⌘ **31.102 CR 153** ⌘ rev **-** ⌘ Current version: **5.4.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Clarification on SIM support by R5 terminal		
Source:	⌘ T3		
Work item code:	⌘ TEI	Date:	⌘ 13/05/2003
Category:	⌘ F	Release:	⌘ Rel-5
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘ Alignment with the relevant SA1 specifications.
Summary of change:	⌘ Clarify that SIM application selection by 3G terminals is not mandatory if no EFdir file is found.
Consequences if not approved:	⌘ Possible interworking problems if future cards expect the feature to be supported, while it is not generally implemented.

Clauses affected:	⌘ 5.1.1.1										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications	Y	N		X		X		X	⌘	
Y	N										
	X										
	X										
	X										
	Test specifications										
	O&M Specifications										
Other comments:	⌘										

5.1 USIM management procedures

If a USIM application is present on the UICC, a 3GPP ME shall only use the USIM application regardless of the radio access technology in use. In this case, a possibly existing SIM application shall never be used by a 3GPP ME.

5.1.1 Initialisation

5.1.1.1 USIM application selection

After UICC activation (see TS 31.101 [11]), the ME selects a USIM application. If no EF_{DIR} file is found or no USIM applications are listed in the EF_{DIR} file, the ME may then try to select the GSM application as specified in TS 51.011 [18].

NOTE: there may be cards that need to be reset before selecting the GSM application.

After a successful USIM application selection, the selected USIM (AID) is stored on the UICC. This application is referred to as the last selected USIM application. The last selected USIM application shall be available on the UICC after a deactivation followed by an activation of the UICC.

If a USIM application is selected using partial DF name, the partial DF name supplied in the command shall uniquely identify a USIM application. Furthermore if a USIM application is selected using a partial DF name as specified in TS 31.101 [11] indicating in the SELECT command the last occurrence the UICC shall select the USIM application stored as the last USIM application. If, in the SELECT command, the options first, next/previous are indicated, they have no meaning if an application has not been previously selected in the same session and shall return an appropriate error code.

CHANGE REQUEST

⌘ **31.102 CR 152** ⌘ rev **-** ⌘ Current version: **6.1.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘ Clarification on SIM support by terminals		
Source:	⌘ T3		
Work item code:	⌘ TEI	Date:	⌘ 23/05/2003
Category:	⌘ A	Release:	⌘ Rel-6
	Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change:	⌘ Alignment with the relevant SA1 specifications.
Summary of change:	⌘ Clarifies that when no EFdir file is found SIM application selection by 3G terminals is not mandatory.
Consequences if not approved:	⌘

Clauses affected:	⌘ 5.1.1.1										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘	Y	N	⌘	X	⌘	X	⌘	X		
Y	N										
⌘	X										
⌘	X										
⌘	X										
Other comments:	⌘										

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