

Source: T3

Title: CRs to TS 31.103: Characteristics of the ISIM Application

Document for: Approval

This document contains the following change requests:

T3 Doc	Spec	CR	Rev	Phase	Subject	Cat	V. old	V. new
T3-030438	31.103	007	-	Rel-5	Clarification that the home operator's network domain name is a SIP URI.	F	5.3.0	5.4.0
T3-030439	31.103	008	-	Rel-6	Clarification that the home operator's network domain name is a SIP URI.	A	6.1.0	6.2.0
T3-030460	31.103	009	-	Rel-5	Clarification on the support of extra guardtime	F	5.3.0	5.4.0

CHANGE REQUEST

⌘ **31.103 CR 007** ⌘ rev **-** ⌘ Current version: **5.3.0** ⌘

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 that the home operator's network domain name is a SIP URI.		
Source:	⌘ T3		
Work item code:	⌘ TEI	Date:	⌘ 23/05/2003
Category:	⌘ F	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:	⌘ Without this clarification it could lead to the scenario whereby one implementor implements the domain name (e.g., home1.net) whereas another will implement a SIP URI that contains the domain name (e.g., sip:home1.net).		
Summary of change:	⌘ Clarification of what a home operator's network domain name is.		
Consequences if not approved:	⌘ Incorrect implementation.		

Clauses affected:	⌘ § 4.2.3						
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;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	⌘
Y	N						
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
	<input checked="" type="checkbox"/>	Test specifications					
	<input checked="" type="checkbox"/>	O&M Specifications					
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.

CR-Form-v7	
CHANGE REQUEST	
⌘ 31.103 CR 008 ⌘ 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 that the home operator's network domain name is a SIP URI.		
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:	⌘ Without this clarification it could lead to the scenario whereby one implementor implements the domain name (e.g., home1.net) whereas another will implement a SIP URI that contains the domain name (e.g., sip:home1.net).		
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Consequences if not approved:	⌘ Incorrect implementation.		

Clauses affected:	⌘ § 4.2.3						
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Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;"><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;"> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> O&M Specifications	<input checked="" type="checkbox"/>	⌘				
<input checked="" type="checkbox"/>							
Other comments:	⌘						

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4.2.3 EF_{DOMAIN} (Home Network Domain Name)

This EF contains the home operator's network domain name [SIP URI](#).

Identifier: '6F03'		Structure: transparent		Mandatory
SFI: '05'				
File size: X bytes		Update activity: low		
Access Conditions:				
READ		PIN		
UPDATE		ADM		
DEACTIVATE		ADM		
ACTIVATE		ADM		
Bytes	Description	M/O	Length	
1 to X	URI TLV data object	M	X bytes	

- URI

Contents:

- Home Network Domain Name [SIP URI](#).

Coding:

- For contents and coding of URI TLV data object values see IETF RFC 3261 [16]. The tag value of the URI TLV data object shall be '80'.

CHANGE REQUEST

⌘ **31.103 CR 009** ⌘ rev **-** ⌘ Current version: **5.3.0** ⌘

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-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 31.103, 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						
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;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	⌘	
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<input type="checkbox"/>	<input checked="" type="checkbox"/>						
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Y	N						
<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Other comments:	⌘						

8 UICC Characteristics

8.1 Voltage classes

A UICC holding an ISIM application shall support at least two consecutive voltage classes as defined in 3GPP TS 31.101 [3], 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 subclause 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 3GPP TS 31.101 [3]. This subclause also specifies values for data objects in the FCP information where there is no exact value given in 3GPP TS 31.101 [3] and there is a need for such from the ISIM 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 3GPP TS 31.101 [3]. This data object specifies the minimum clock frequency to be provided by the terminal during the ISIM 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 3GPP TS 31.101 [3]. 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.

8.4 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.