

3GPP TSG-T (Terminals) Meeting #25
Palm Springs, CA, USA
8 - 10 September 2004

TP-040185

Agenda Item: 5.3.3
Source: T3
Title: CRs to TS 31.116
Document for: approval

This document contains the following change requests that are approved by 3GPP TSG T3 and forwarded to 3GPP TSG T#25 for approval:

Doc-2nd-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Workitem
T3-040565	31.116	006	-	Rel-6	Alignment with TS 102 226 V6.8.0	B	6.4.0	6.5.0	TEI

CHANGE REQUEST

31.116 CR 006 # rev - # Current version: 6.4.0

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:	# Alignment with TS 102 226 V6.8.0		
Source:	# T3		
Work item code:	# TEI Date: # 13/08/2004		
Category:	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> # B 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. </td> <td style="width: 50%; vertical-align: top;"> Release: # Rel-6 Use <u>one</u> of the following releases: Ph2 (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) Rel-7 (Release 7) </td> </tr> </table>	# B 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 .	Release: # Rel-6 Use <u>one</u> of the following releases: Ph2 (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) Rel-7 (Release 7)
# B 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 .	Release: # Rel-6 Use <u>one</u> of the following releases: Ph2 (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) Rel-7 (Release 7)		

Reason for change:	# TS 31.116 shall be aligned with last version of TS 102 226
Summary of change:	# Alignment with TS 102 226 V6.8.0 on: <ul style="list-style-type: none"> - Security parameters assigned to applications - SIM File System Access Domain Parameter Avoid duplication with TS 102 226
Consequences if not approved:	# Inconsistency of the specification since TS 31.116 is based on TS 102 226

Clauses affected:	# 5.1, 6, 6.1																		
Other specs affected:	<table style="width: 100%; border: none;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;"> <table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> </table> </td> <td style="width: 70%;">Other core specifications</td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td></td> <td>Test specifications</td> <td></td> </tr> <tr> <td></td> <td></td> <td>O&M Specifications</td> <td></td> </tr> </table>		<table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> </table>	Y	N					Other core specifications				Test specifications				O&M Specifications	
	<table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> <tr> <td style="padding: 2px;"> </td> <td style="padding: 2px;"> </td> </tr> </table>	Y	N					Other core specifications											
Y	N																		
		Test specifications																	
		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.

4 Remote APDU Format

4.1 Remote command coding

The SIM/USIM Remote command coding shall comply with the Remote command coding of TS 102 226 [5].

4.2 Response coding

The SIM/USIM Response coding shall comply with the Response coding of TS 102 226 [5], added features are defined below.

4.2.1 (U)SIM specific behaviour for Response Packets (Using SMS-PP)

If PoR is not requested, no data shall be returned by the (U)SIM's RE/RA and the (U)SIM's RE/RA shall indicate to the terminal to issue a RP-ACK.

If PoR is requested, data shall be returned by the (U)SIM's RE/RA. The (U)SIM's RE/RA shall indicate to the terminal to issue:

- a RP-ACK if the response status code octet is '00' or,
- a RP-ERROR if there is a security error of some kind (see table 5).

The data returned by the (U)SIM is the complete Response Packet to be included in the User Data part of the SMS-DELIVER-REPORT.

Because the (U)SIM is unable to indicate to the Terminal that the TP-UDHI bit is to be set, the Sending Entity receiving the Response Packet shall expect the UDH structure in any event.

If a proof of Receipt is required by the sending entity, the Additional Response Data sent by the Remote Management Application shall be formatted according to TS 102 226 [5].

4.2.2 void

5 Remote File Management (RFM)

5.1 SIM Remote File Management

Command and Response formats are defined in TS 102 226 [5]. Nevertheless, the list of commands defined in TS 102 226 [5] for Remote File Management does not apply for SIM application. All the SIM Remote File Management commands are defined below.

The standardised commands are listed in table 5.12. The commands are as defined in 3GPP TS 51.011 [1], except that the SELECT command is extended from the one in 3GPP TS 51.011 [1] to include "SELECT by path" as defined in ISO/IEC 7816-4 [6].

Table 5.12: SIM Remote File Management Commands

Operational command
SELECT
UPDATE BINARY
UPDATE RECORD
SEEK
INCREASE
VERIFY CHV
CHANGE CHV
DISABLE CHV
ENABLE CHV
UNBLOCK CHV
INVALIDATE
REHABILITATE
READ BINARY
READ RECORD

To retrieve the Response parameters/data of a case 4 command the GET RESPONSE command defined in TS 51.011 [1] shall be issued (Class Byte is 'A0').

The GET RESPONSE and any case 2 command (i.e. READ BINARY, READ RECORD) shall only occur once in a command string and, if present, shall be the last command in the string. The Response Data shall be placed in the Additional Response Data element of the Response Packet.

5.2 USIM Remote File Management

USIM Remote File Management shall comply with TS 102 226 [5].

The standardised commands are listed in TS 102 226 [5].

5.3 UICC Shared File System Remote File Management

UICC Shared File System Remote File Management shall comply with TS 102 226 [5].

The standardised commands are listed in TS 102 226 [5].

6 Remote Applet Management

~~All~~ SIM/USIM Remote Applet Management shall comply with TS 102 226 [5], added features are defined below.

6.1 SIM File System Access Domain Parameter

This parameter indicates the mechanism used to control the applet instance access to the SIM File System. It is a parameter of the INSTALL ~~[for install]~~(~~install~~) command described in TS 102 226 [5].

This parameter shall be used only if the "SIM File Access and Toolkit Application Specific Parameters" TLV object (Tag 'CA') is present.

Value	Name	Support	ADD length
'00'	Full access to the File System (see TS 102 226 [5])	Mandatory	0
'01'	SIM access mechanism	Optional	2
'02'	USIM access mechanism	Optional	-
'03' to '7F'	RFU	RFU	RFU
'80' to 'FE'	Proprietary mechanism	-	-
'FF'	No access to the File System	Mandatory	0

Value	Name	Support	ADD length
'00'	See TS 102 226 [5]	-	-
'01'	SIM access mechanism	Optional	2
'02' to 'FF'	See TS 102 226 [5]	-	-

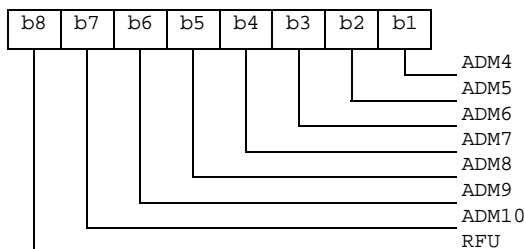
6.1.1 SIM Access Mechanism

This mechanism shall be used, if supported, by the framework if the Access Domain Parameter value is '01'. It shall use the Access Domain Data passed at applet instantiation to define the access conditions fulfilled while the toolkit applet is running.

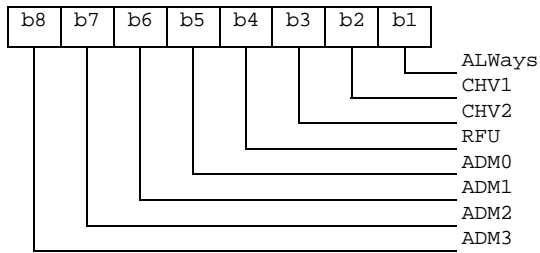
The APDU Access Domain Data is a bit map combination of the file access condition levels described in 3GPP TS 51.011 [1]. When the bit is set the associated Access Condition is granted.

The APDU Access Domain Data is coded as follows:

Byte 1:



Byte 2:



EXAMPLE: Possible combinations of fulfilled Access Conditions are shown below:

ADD value	Applet access condition fulfilled
'00 00'	No access
'00 01'	ALWays
'00 02'	CHV1
'00 03'	ALWays and CHV1
'00 04'	CHV2
'00 05'	ALWays and CHV2
'00 06'	CHV1 and CHV2
:	:
'00 10'	ADM0
:	:
'00 20'	ADM1
:	:
'00 22'	ADM1 and CHV1
:	:
'01 00'	ADM4
:	:
'40 00'	ADM10
:	:
'41 37'	ADM10 and ADM4 and ADM1 and ADM0 and CHV2 and CHV1 and ALWays
:	:

~~6.1.2 USIM Access Mechanism~~

{TBD}