3GPP TSG-T (Terminals) Meeting #27
Tokyo, Japan, 9-11 March 2005

TP-050020

Agenda Item: 6.3.3

Source: T3

Title: CRs to TS 31.111

Document for: Approval

This document contains the following change requests that are approved by 3GPP TSG T3 and forwarded to 3GPP TSG T#27 for approval:

Doc-2nd-Level	Spec	CR	Rev	Rel	Subject	Cat	Ver-old	Ver-new	WI
T3-050200	31.111	128	2	Rel-6	Clarification of Terminal Profile procedure	F	6.4.0	6.4.1	TEI6
T3-050145	31.111	132		Rel-6	Correction of incomplete references	F	6.4.0	6.4.1	TEI6
T3-050146	31.111	133		Rel-6	Correction of structure of RETRIEVE MM command	F	6.4.0	6.4.1	TEI6
T3-050147	31.111	134		Rel-6	Mandatory Address in Envelope(SMS-PP DOWNLOAD)	F	6.4.0	6.4.1	TEI6
T3-050148	31.111	135		Rel-6	correction of Terminal Profile for MM commands	F	6.4.0	6.4.1	TEI6
T3-050151	31.111	136		Rel-4	Correction of OCI usage in conjunction with SETUP CALL	F	4.13.0	4.14.0	TEI4
T3-050154	31.111	137		Rel-6	Notification Handling for MMS Management by USAT	F	6.4.0	6.4.1	TEI6
T3-050190	31.111	138		Rel-6	Inclusion of missing chapters	F	6.4.0	6.4.1	TEI6
T3-050186	31.111	139		Rel-6	Clarification of a bit reserved for ETSI SCP in Terminal Profile	F	6.4.0	6.4.1	TEI6
T3-050191	31.111	140		Rel-4	Correction of missing information	F	4.13.0	4.14.0	TEI4
T3-050192	31.111	141		Rel-5	Correction of missing information	A	5.8.0	5.9.0	TEI4
T3-050193	31.111	142		Rel-6	Correction of missing information	A	6.4.0	6.4.1	TEI4

3GPP TSG-T3 #34
Barcelona, Spain
08-11 February 2005

T3-050145

CR-Form-v7.1

CHANGE REQUEST

⌘ **31.111** **CR** **132** ⌘ **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⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Correction of incomplete references
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	09/02/2005
Category:	⌘	**F**
Release:	⌘	Rel-6

Use one 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 one 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:	⌘	When integrating the CR, the references were not adjusted.
Summary of change:	⌘	Replace xx/yy by correct reference.
Consequences if not approved:	⌘	Incomplete and confusing document.

Clauses affected:	⌘	6.6.35, 6.6.36

Other specs affected: ⌘	Y	N	
			Other core specifications
			Test specifications
			O&M Specifications

⌘

Other comments: ⌘

6.6.35 RETRIEVE MULTIMEDIA MESSAGE

Description	Section	M/O	Min	Length
Proactive UICC command Tag	9.2	M	Y	1
Length (A+B+C+D+E+F+G+H+I)	-	M	Y	1 or 2
Command details	8.6	M	Y	A
Device identities	8.7	M	Y	B
Alpha identifier	8.2	O	N	C
Icon identifier	8.31	O	N	D
Multimedia Message Reference	8.74~~yy~~	M	Y	E
MMS Reception File	8.18	M	Y	F
MM Content Data Object tag	-	M	Y	G
Multimedia Message Identifier	8.75~~xx~~	C	N	H
Text Attribute	8.72	C	N	I

Multimedia Message Reference is the "MM1_retrieve.REQ" (see 3GPP TS 23.140 [40]) message that is needed for the retrieval of the multimedia message and it contains the URI identifying the multimedia message in the network.

MMS Reception File is a path of a file on the UICC. This path shall be used by the ME once the MM is retrieved from the network to store the MM on the UICC.

Multimedia Message Identifier is the identifier of the Multimedia Message within the MMS Reception File.

Text Attribute applies to the alpha identifier. It may be present only if the Alpha Identifier is present.

A terminal response shall be sent immediately upon reception of the command and shall not wait for any response from the network.

6.6.36 SUBMIT MULTIMEDIA MESSAGE

Description	Section	M/O	Min	Length
Proactive UICC command Tag	9.2	M	Y	1
Length (A+B+C+D+E+F+G)	-	M	Y	1 or 2
Command details	8.6	M	Y	A
Device identities	8.7	M	Y	B
Alpha identifier	8.2	O	N	C
Icon identifier	8.31	O	N	D
MMS Submission File	8.18	M	Y	E
Multimedia Message Identifier	8.75~~xx~~	C	N	F
Text Attribute	8.72	C	N	G

MMS Submission File is a path of a file on the UICC. This path shall be used by the ME to get the MM from the UICC and then to submit it to the network.

Multimedia Message Identifier is the identifier of the Multimedia Message within the MMS Submission File. This Identifier is mandatory in case the MMS Submission File is able to store several MMs.

Text Attribute applies to the alpha identifier. It may be present only if the Alpha Identifier is present.

A terminal response shall be sent immediately upon reception of the command and shall not wait for any response from the network.

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Barcelona, Spain
08-11 February 2005

T3-050146

CR-Form-v7.1

CHANGE REQUEST

⌘ **31.111** **CR** **133** ⌘ **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⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Correction of structure of RETRIEVE MM command
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	09/02/2005
Category:	⌘	**F**
Release:	⌘	Rel-6

Use one 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 one 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:	⌘	The structure of all proactive commands is a sequence of simple TLV objects. RETRIEVE MM as currently specified makes an exception: The sequence contains a tag only. This is a) not permitted by the general structure, and b) poses a serious problem to the recipient of the data (here the terminal), because any parser expecting a TLV sequence will fail. Moreover the tag definition for the MM Content DO tag differs from the definition of simple tags. Up to now, all simple tags are one byte with b8 indicating CR. The tag for DOs in large files are coded on 1 to 3 bytes with b8/b7 of the first byte indicating the class, b6 indicating primitive or constructed. Thus even the logic for analysing the single tag in between the simple TLV objects has to be different.
Summary of change:	⌘	Encapsulate the MM Content DO tag inside a simple TLV object.
Consequences if not approved:	⌘	Illegal structure of one proactive command remains.

Clauses affected:	⌘	6.6.35, 8.ZZ (new clause), 9.3			
Other specs affected:	⌘	**Y**	**N**	Other core specifications	⌘
				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.

6.6.35 RETRIEVE MULTIMEDIA MESSAGE

Description	Section	M/O	Min	Length
Proactive UICC command Tag	9.2	M	Y	1
Length (A+B+C+D+E+F+G+H+I)	-	M	Y	1 or 2
Command details	8.6	M	Y	A
Device identities	8.7	M	Y	B
Alpha identifier	8.2	O	N	C
Icon identifier	8.31	O	N	D
Multimedia Message Reference	8.yy	M	Y	E
MMS Reception File	8.18	M	Y	F
MM Content Identifier~~Data Object tag~~	~~-~~8.ZZ	M	Y	G
Multimedia Message Identifier	8.xx	C	N	H
Text Attribute	8.72	C	N	I

Multimedia Message Reference is the "MM1_retrieve.REQ" (see 3GPP TS 23.140 [40]) message that is needed for the retrieval of the multimedia message and it contains the URI identifying the multimedia message in the network.

MMS Reception File is a path of a file on the UICC. This path shall be used by the ME once the MM is retrieved from the network to store the MM on the UICC.

Multimedia Message Identifier is the identifier of the Multimedia Message within the MMS Reception File.

Text Attribute applies to the alpha identifier. It may be present only if the Alpha Identifier is present.

A terminal response shall be sent immediately upon reception of the command and shall not wait for any response from the network.

[...]

8.ZZ MM Content Identifier

Byte(s)	Description	Length
1	MM Content Identifier tag	1
2	Length (X)	1
3 to X+2	MM Content Data Object tag	X

MM Content Data Object tag:

Contents:

This contains the Data Object tag to be used when the MM Content is stored in the referenced BER-TLV file.

Coding:

According to TS 31.101 [13].

[...]

9.3 SIMPLE-TLV tags in both directions

Description	Length of tag	Tag value, bits 1-7 (Range: '01' - '7E')	Tag (CR and Tag value)
SS string tag	1	'09'	'09' or '89'
USSD string tag	1	'0A'	'0A' or '8A'
SMS TPDU tag	1	'0B'	'0B' or '8B'
Cell Broadcast page tag	1	'0C'	'0C' or '8C'
Cause tag	1	'1A'	'1A' or '9A'
Transaction identifier tag	1	'1C'	'1C' or '9C'
BCCH channel list tag	1	'1D'	'1D' or '9D'
BC Repeat Indicator tag	1	'2A'	'2A' or 'AA'
Timing Advance tag	1	'2E'	'2E' or 'AE'
PDP context Activation parameters tag	1	‘52’	‘52’ or ‘D2’
UTRAN Measurement Qualifier tag	1	'69'	'69' or 'E9'
Multimedia Message Reference tag	1	'6A'	'6A' or 'EA'
Multimedia Message Identifier tag	1	'6B'	'6B' or 'EB'
Multimedia Message Transfer Status tag	1	'6C'	'6C' or 'EC'
MM Content Identifier tag	1	'XX'	'XX' or 'XX'

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Tdoc T3-050147
(revised from T3-050041)

CR-Form-v7.1

CHANGE REQUEST

⌘ **31.111** **CR** **134** ⌘ **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:	⌘	Mandatory address in Envelope(SMS-PP DOWNLOAD)
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	09/02/2005
Category:	⌘	**B**
Release:	⌘	Rel-7

Use one 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 one 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:	⌘	When using multiple SMSCs to manage the USIM content, if the address is not transmitted to the USIM it's difficult/impossible to send the answer through the right SMSC (and not through the default SMSC). This adress is always present in the RP-DATA sent to the ME (see TS 24.011 subclause 7.3.1.1).
Summary of change:	⌘	Changed 'address' presence to mandatory in the Envelope(SMS-PP DOWNLOAD)
Consequences if not approved:	⌘	Remote management through multiple SMSCs is difficult/impossible.

Clauses affected:	⌘	7.1.1.2

Other specs affected: ⌘	Y	N		⌘
		X	Other core specifications	
		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘

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Below is a brief summary:

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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.

7.1.1.2 Structure of ENVELOPE (SMS-PP DOWNLOAD)

Direction: ME to UICC.

The command header is specified in 3GPP TS 31.101 [13].

Command parameters/data.

Description	Clause	M/O/C	Min	Length
SMS-PP download tag	9.1	M	Y	1
Length (A+B+C)	-	M	Y	1 or 2
Device identities	8.7	M	Y	A
Address	8.1	~~O~~M	~~N~~Y	B
SMS TPDU (SMS-DELIVER)	8.13	M	Y	C

- Device identities: the ME shall set the device identities to:
  - source: Network;
  - destination: UICC.
- Address: The address data object holds the RP_Originating_Address of the Service Centre (TS-Service-Centre-Address), as defined in 3GPP TS 24.011 [10].

Response parameters/data.

It is permissible for the UICC not to provide response data. If the UICC provides response data, the following data is returned.

Byte(s)	Description	Length
1-X (X≤128)	UICC Acknowledgement	X

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Tdoc ⌘T3-050148

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CHANGE REQUEST

⌘ **31.111** **CR** **135** ⌘ **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⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Correction of Terminal Profile for MM commands
Source:	⌘	T3
Work item code:	⌘	TEI6
Date:	⌘	09/02/2005
Category:	⌘	**F**
Release:	⌘	Rel-6

Use one 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 one 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:	⌘	Implementation of Terminal Profile concerning the Multimedia Messages related commands does not follow the agreed rules and need to be updated accordingly. All of the four commands (RETRIEVE MULTIMEDIA MESSAGE, SUBMIT MULTIMEDIA MESSAGE, DISPLAY MULTIMEDIA MESSAGE, and the event MMS Transfer status) support is given in a general package using only 1 bit in Terminal Profile. It should be 4 separated bits (one for each). This correction also implies an editorial correction to stay in line with ETSI TS 102 223.
Summary of change:	⌘	The former bit for generic MMS management is removed. 3 bits are added for the proactive UICC commands in byte 23 Bytes 24 and 25 are added for compatibility with ETSI TS 102 223. 1 bit is added for the event in byte 25.
Consequences if not approved:	⌘	Impossible to differentiate the support of the different commands.

Clauses affected:	⌘	5.2
Other specs	⌘	Y [ ] N [X] Other core specifications ⌘

affected:	X	Test specifications
	X	O&M Specifications
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.

5.2 Structure and coding of TERMINAL PROFILE

Direction: ME to UICC.

The command header is specified in 3GPP TS 31.101 [13].

Command parameters/data:

Description	Clause	M/O/C	Length
Profile	-	M	lgth

- Profile:

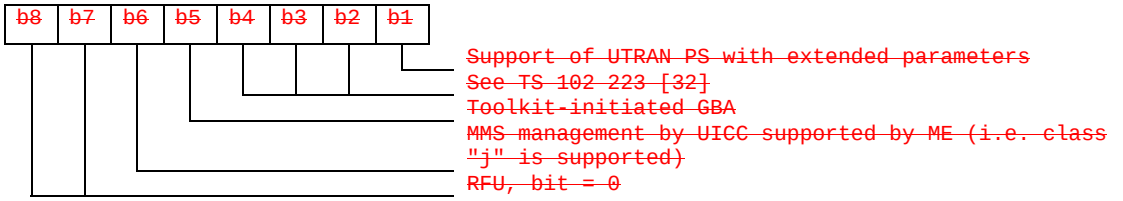
  Contents:

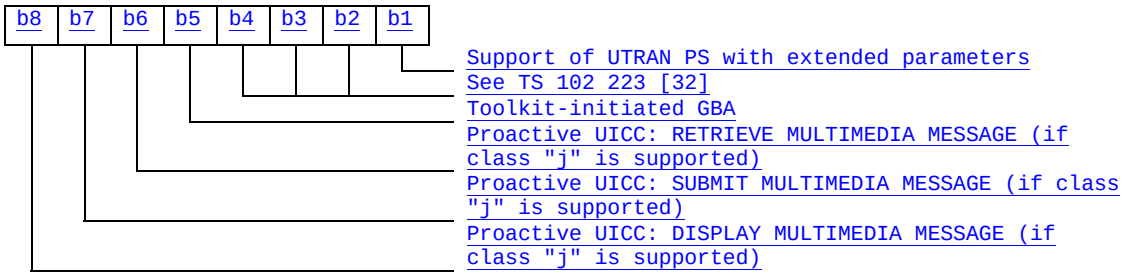
[…]

Twenty-first byte (Extended Launch Browser Capability) for class "c":

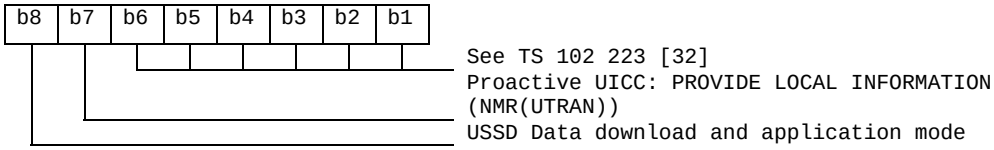
- See TS 102 223 [32].

Twenty second byte:





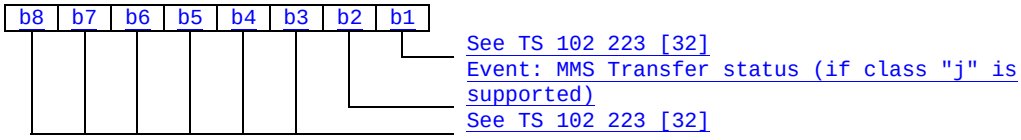
Twenty third byte:



Twenty fourth byte for class "i":

- See TS 102 223 [32].

Twenty-fifth byte (Event driven information extensions):



Subsequent bytes:

- See TS 102 223 [32].

Response parameters/data:

- None.

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Tdoc ⌘T3-050151
(revised from T3-050078)

CR-Form-v7.1

CHANGE REQUEST

⌘ **31.111** **CR** **136** ⌘**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 [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Correction of OCI & OCT usage in conjunction with SETUP CALL
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	09/02/2005
Category:	⌘	**F**
Release:	⌘	Rel-6

Use one 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 one 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:	⌘	When a toolkit application issues a SETUP CALL command, the ME shall not store the call details in the files. The current text in ETSI TS 102223 refers to EF(LND), which is a SIM file, but nothing is said regarding to the equivalent USIM files, i.e. EF(OCI) and EF(OCT)
Summary of change:	⌘	Added a sentence dealing with OCI and OCT.
Consequences if not approved:	⌘	Unexpected behaviour of the terminal

Clauses affected:	⌘	6.4.13			
Other specs affected:	⌘	Y / N		⌘	
			X Other core specifications		TS 31.124
		X	Test specifications		
			X O&M Specifications		
Other comments:	⌘	LS sent to SCP (T3-050152) in order to make 102223 more generic			

How to create CRs using this form:
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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.

6.4.13 SET UP CALL

This command is issued by the UICC to request a call set up. The procedure is defined in TS 102 223 [32], except when stated otherwise in the present document.

The UICC may request the use of an automatic redial mechanism according to 3GPP TS 22.001 [22]

In addition to the rules given in TS 102 223 [32] the following applies:

- If the UICC supplies a number stored in EF_{ECC}, this shall not result in an emergency call.

Upon receiving this command, the ME shall decide if it is able to execute the command. Examples are given below, but the list is not exhaustive:

- if the command is rejected because the ME is busy on another call, the ME informs the UICC using TERMINAL RESPONSE (ME unable to process command - currently busy on call);
- if the command is rejected because the ME is busy on a SS transaction, the ME informs the UICC using TERMINAL RESPONSE (ME unable to process command - currently busy on SS transaction);
- if the command is rejected because the ME cannot support Call Hold, or because the ME does not support the capability configuration parameters requested by the UICC, the ME informs the UICC using TERMINAL RESPONSE (Command beyond ME's capabilities);
- if the command is rejected because the network cannot support or is not allowing Call Hold of a multi party call, the ME informs the UICC using TERMINAL RESPONSE (SS Return Result error code);
- if the command is rejected because the network cannot support or is not allowing Call Hold of a single call, the ME informs the UICC using TERMINAL RESPONSE (Network currently unable to process command).

If the ME supports the Outgoing Call Information service, the ME shall not store in EF_{OCI} and in EF_{OCT} the call set-up details (called party number and associated parameters) sent by the UICC in this command.

3GPP TSG-T3 Meeting #34
Barcelona, Spain, 08 – 11 February 2005

Tdoc ⌘ T3-050154

CR-Form-v7.1

CHANGE REQUEST

⌘ **31.111** **CR** **137** ⌘ **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⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Notification Handling for MMS Management by USAT
Source:	⌘	T3
Work item code:	⌘	TEI6
Date:	⌘	11/02/2005
Category:	⌘	**B**
Release:	⌘	Rel-6

Use one 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 one 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:	⌘	This CR aims to provide the functionality to handle the notification for Multimedia Message handling by UE, according to the requirement in TS 22.038.
Summary of change:	⌘	Introduction of a new ENVELOPE type in order to be able to handle MMS notifications.
Consequences if not approved:	⌘	
Clauses affected:	⌘	5.2 – 7.X (new) – 8.xx (new) – 8.yy (new) – 9.1 – 9.3 – 9.4 – 10 – Annex A

Other specs affected: ⌘	Y	N		⌘
		X	Other core specifications	
		X	Test specifications	
		X	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.

5.2 Structure and coding of TERMINAL PROFILE

Direction: ME to UICC.

The command header is specified in 3GPP TS 31.101 [13].

Command parameters/data:

Description	Clause	M/O/C	Length
Profile	-	M	lgth

- Profile:

  Contents:

  - The list of USAT facilities that are supported by the ME.

  Coding:

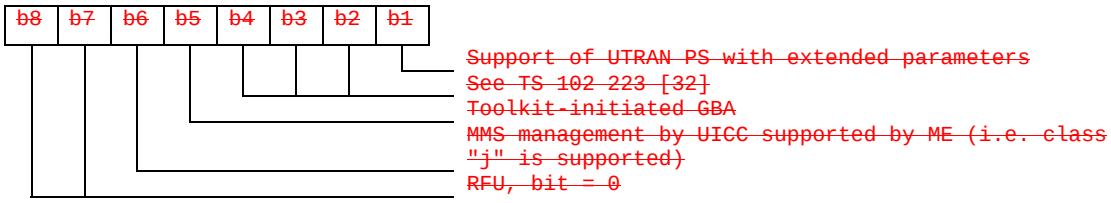
  - 1 bit is used to code each facility:
    - bit = 1: facility supported by ME.
    - bit = 0: facility not supported by ME.

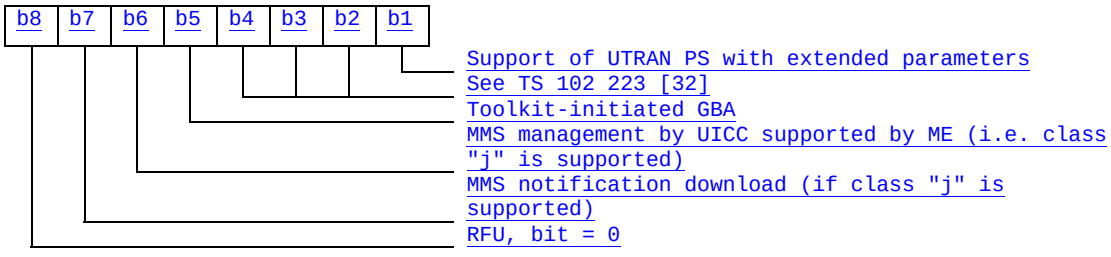
[…]

Twenty-first byte (Extended Launch Browser Capability) for class "c":

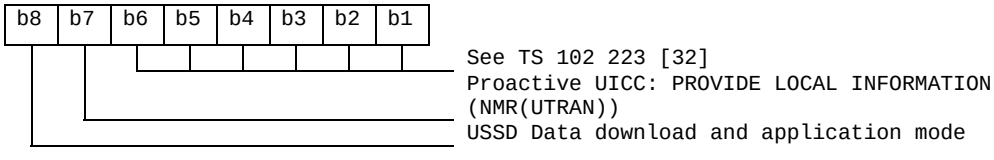
- See TS 102 223 [32].

Twenty second byte:





Twenty third byte:



Subsequent bytes:

- See TS 102 223 [32].

Response parameters/data:

- None.

[...]

7.X MMS notification download

Addressing mechanism to the UICC is based on application addressing mechanism defined in 3GPP TS 23.140 [40]. The UICC shall be targeted using the following application identifier: "uicc.3gpp.org".

7.X.1 Procedure

If the service " Multimedia Messages Storage " is allocated and activated in the USIM Service Table (see 3GPP TS 31.102 [14]), then the ME shall follow the procedure below (if class "j" is supported).

When the ME receives an MMS notification message intended to the UICC (i.e. "uicc.3gpp.org") then:

- the ME shall pass the "MM1_notification.REQ" (see 3GPP TS 23.140 [40]) message to the UICC using the ENVELOPE (MMS notification download) command as defined below;
- the ME shall wait for an acknowledgement from the UICC;
  - if the UICC responds with '90 00', ME shall consider that the ENVELOPE (MMS notification download) has been successfully transferred to the UICC.
  - if the UICC responds with '93 00', the ME shall consider that the ENVELOPE (MMS notification download) has not been successfully transferred to the UICC. The ME may retry the same command.
  - if the UICC responds with '6F XX', the ME shall consider that the ENVELOPE (MMS notification download) has not been successfully transferred to the UICC. The ME shall not retry the same command.

If the service "MMS transfer" is not available in the USIM Service Table, and the ME receives an MMS Notification Message to be forwarded to the UICC, then the ME should send an error message to the network.

If one envelope is not enough to transmit all the information (i.e. the MMS notification is more than 243 bytes), the information shall be split into several ENVELOPE (MMS notification download). The final envelope is indicated by containing a Last Envelope TLV. Intermediate envelope shall not contain this TLV.

If one envelope is enough to transmit the information, this envelope shall contain a Last Envelope TLV.

7.X.2 Structure of ENVELOPE (MMS notification download)

Direction: ME to UICC.

The command header is specified in 3GPP TS 31.101 [13].

Command parameters/data.

Description	Clause	M/O/C	Min	Length
MMS notification download tag	9.1	M	Y	1
Length (A+B+C)	-	M	Y	1 or 2
Device identities	8.7	M	Y	A
Multimedia Message Notification	8.xx	M	Y	B
Last Envelope	8.yy	C	N	C

- Device identities: the ME shall set the device identities to:
  - source: network;
  - destination: UICC.
- Multimedia Message Notification: The "MM1_notification.REQ" message as specified in 3GPP TS 23.140 [40].
- Last Envelope: Indicates the last envelope sent to transmit the MMS notification to the card. The presence or not of this Last Envelope TLV is described in the above procedure description of the MMS Notification download.

[...]

8.xx Multimedia Message Notification

Byte(s)	Description	Length
1	Multimedia Message Notification tag	1
2 to Y+2	Length (X)	1+Y
3+Y to X+(3+Y)	MMS notification message	X

- Contents:

The MMS notification message: "MM1_notification.REQ" as specified in 3GPP TS 23.140 [40].

8.yy Last Envelope

Byte(s)	Description	Length
1	Last Envelope tag	1
2	Length = 0	1

9 Tag values

This clause specifies the tag values used to identify the BER-TLV and SIMPLE-TLV data objects used in the present document, in addition to those defined in TS 102 223 [32].

9.1 BER-TLV tags in ME to UICC direction

Description	Length of tag	Value
SMS-PP download tag	1	'D1'
Cell Broadcast download tag	1	'D2'
MO Short message control tag	1	'D5'
USSD download tag	1	'D9'
MMS Transfer status tag	1	'DA'
MMS notification download tag	1	'xx'

9.2 BER-TLV tags in UICC TO ME direction

No additional tag is defined for 3G.

9.3 SIMPLE-TLV tags in both directions

Description	Length of tag	Tag value, bits 1-7 (Range: '01' - '7E')	Tag (CR and Tag value)
SS string tag	1	'09'	'09' or '89'
USSD string tag	1	'0A'	'0A' or '8A'
SMS TPDU tag	1	'0B'	'0B' or '8B'
Cell Broadcast page tag	1	'0C'	'0C' or '8C'
Cause tag	1	'1A'	'1A' or '9A'
Transaction identifier tag	1	'1C'	'1C' or '9C'
BCCH channel list tag	1	'1D'	'1D' or '9D'
BC Repeat Indicator tag	1	'2A'	'2A' or 'AA'
Timing Advance tag	1	'2E'	'2E' or 'AE'
PDP context Activation parameters tag	1	'52'	'52' or 'D2'
UTRAN Measurement Qualifier tag	1	'69'	'69' or 'E9'
Multimedia Message Reference tag	1	'6A'	'6A' or 'EA'
Multimedia Message Identifier tag	1	'6B'	'6B' or 'EB'
Multimedia Message Transfer Status tag	1	'6C'	'6C' or 'EC'
Multimedia Message Notification tag	1	'xx'	'xx' or 'yy'
Last Envelope tag	1	'yy'	'yy' or 'yy'

[...]

10 Allowed Type of command and Device identity combinations

Only certain types of commands can be issued with certain device identities. These combinations are defined below, in addition to TS 102 223 [32].

Command description	Source	Destination
CELL BROADCAST DOWNLOAD	Network	UICC
MO SHORT MESSAGE CONTROL	ME	UICC
SEND SS	UICC	Network
SEND USSD	UICC	Network
RETRIEVE MULTIMEDIA MESSAGE	UICC	Network
SUBMIT MULTIMEDIA MESSAGE	UICC	Network
MMS Transfer Status	Network	UICC
DISPLAY MULTIMEDIA MESSAGE	UICC	ME
MMS notification download	Network	UICC

[…]

Annex A (normative): Support of USAT by Mobile Equipment

Support of USAT is optional for Mobile Equipment. However, if an ME states conformance with a specific 3G release, it is mandatory for the ME to support all functions of that release.

The support of USAT implies the support of CAT (TS 102 223 [32]).

The support of letter classes, which specify mainly ME hardware dependent features, is optional for the ME and may supplement the USAT functionality described in the present document. If an ME states conformance to a letter class, it is mandatory to support all functions within the respective letter class.

The table below indicates the commands and functions of the optional letter classes.

Letter classes	Command/function description
a	See TS 102 223 [32]
b	See TS 102 223 [32]
c	See TS 102 223 [32]
d	See TS 102 223 [32]
e	See TS 102 223 [32]
f	See TS 102 223 [32]
g	See TS 102 223 [32]
h	See TS 102 223 [32]
i	See TS 102 223 [32]
j	Proactive command: RETRIEVE MULTIMEDIA MESSAGE Proactive command: SUBMIT MULTIMEDIA MESSAGE Proactive command: DISPLAY MULTIMEDIA MESSAGE Envelope command: MMS notification download Event download: MMS Transfer status

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CHANGE REQUEST

⌘ **31.111** **CR** **139** ⌘**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⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Clarification of a bit reserved for ETSI SCP in Terminal Profile
Source:	⌘	T3
Work item code:	⌘	TEI6
Date:	⌘	09/02/2005
Category:	⌘	**F**
Release:	⌘	Rel-6

Use one 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 one 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:	⌘	It is unclear for which reason bit 5 byte 18 of Terminal profile is reserved for ETSI SCP, and does not contain a reference to ETSI TS 102 223 as done elsewhere in the Terminal Profile.
Summary of change:	⌘	There is now a reference to SCP TS 102 223
Consequences if not approved:	⌘	Ambiguity remains about the potential usage of this bit.

Clauses affected:	⌘	5.2

Other specs affected: ⌘	Y	N		⌘
		X	Other core specifications	
		X	Test specifications	
		X	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.

5.2 Structure and coding of TERMINAL PROFILE

Direction: ME to UICC.

The command header is specified in 3GPP TS 31.101 [13].

Command parameters/data:

Description	Clause	M/O/C	Length
Profile	-	M	lgth

- Profile:

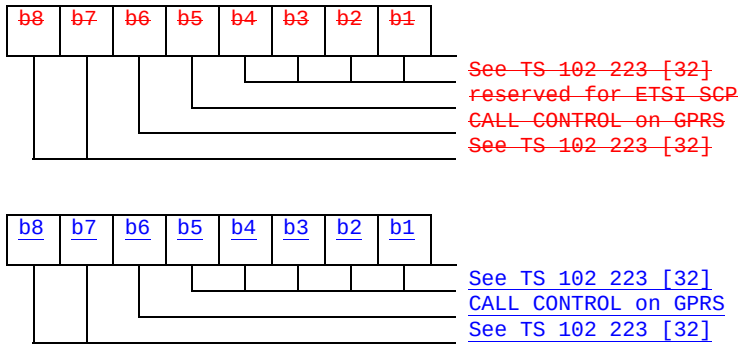
  Contents:

  - The list of USAT facilities that are supported by the ME.

  Coding:

[…]

Eighteenth byte:



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CHANGE REQUEST

⌘ **31.111** **CR** **138** ⌘**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⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Inclusion of missing chapters
Source:	⌘	T3
Work item code:	⌘	TEI6
Date:	⌘	11/02/2005
Category:	⌘	**F**
Release:	⌘	Rel-6

Use one 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 one 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:	⌘	A few chapters recently added to ETSI TS 102 223 need to be incorporated for alignment.
Summary of change:	⌘	Missing general chapters inserted, with references to ETSI TS 102 223.
Consequences if not approved:	⌘	Misalignment with ETSI TS 102 223

Clauses affected:	⌘	4 – 6.4.27 – 6.4.xx – 6.4.yy – 6.6.xx – 6.6.yy

Other specs affected: ⌘	Y	N		⌘	
		X	Other core specifications		31.124
	X		Test specifications		
		X	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 Overview of USAT

The USAT provides mechanisms which allow applications, existing in the UICC, to interact and operate with any ME which supports the specific mechanism(s) required by the application.

The following mechanisms have been defined. These mechanisms are dependent upon the commands and protocols relevant to USAT in 3GPP TS 31.101 [13].

[…]

4.12 Description of the access technology indicator mechanism

See TS 102 223 [32].

4.13 Description of the network search mode mechanism

See TS 102 223 [32].

[…]

6.4.27 OPEN CHANNEL

[…]

6.4.27.4 OPEN CHANNEL related to Default (network) Bearer

See TS 102 223 [32].

[…]

6.4.xx SET FRAMES

See TS 102 223 [32].

6.4.yy GET FRAME STATUS

See TS 102 223 [32].

[…]

6.6.xx SET FRAMES

See TS 102 223 [32].

6.6.yy GET FRAMES STATUS

See TS 102 223 [32].

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CHANGE REQUEST

⌘ **31.111** **CR** **140** ⌘ **rev** **-** ⌘ Current version: **4.13.0** ⌘

*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⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Correction of missing Terminal Response information
Source:	⌘	T3
Work item code:	⌘	TEI4
Date:	⌘	11/02/2005
Category:	⌘	**F**
Release:	⌘	Rel-4

Use one 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 one 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:	⌘	The Terminal Response table is incomplete. Some entries have been lost since release 99 from the split of the toolkit specification with ETSI SCP. This can prevent correct implementation of the Terminal Response.
Summary of change:	⌘	Complete Terminal Response table re-inserted.
Consequences if not approved:	⌘	Impossibility to implement correctly the TERMINAL RESPONSE

Clauses affected:	⌘	6.11			
Other specs affected:	⌘	Y / N	Other core specifications	⌘	31.124
		N: X			
		Y: X	Test specifications		
		N: X	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.

6.11 Proactive commands versus possible Terminal response

Table 6.1 shows for each proactive command the possible terminal response returned (marked by a "●" character), in addition to those defined in TS 102 223 [32].

Table 6.1: Proactive commands versus possible Terminal response (continued overleaf…)

		PROACTIVE COMMAND																			
		REFRESH	MORE TIME	POLL INTERVAL	POLLING OFF	SETUP EVENT LIST	SET UP CALL	SEND SS	SEND USSD	SEND SMS	SEND DTMF	LAUNCH BROWSER	PLAY TONE	DISPLAY TEXT	GET INKEY	GET INPUT	SELECT ITEM	SET UP MENU	PROVIDE LOCAL INFO	TIMER MANAGEMENT	SETUP IDLE MODE TEXT
	TERMINAL RESPONSE	'01'	'02'	'03'	'04'	'05'	'10'	'11'	'12'	'13'	'14'	'15'	'20'	'21'	'22'	'23'	'24'	'25'	'26'	'27'	'28'
14	USSD or SS Transaction terminated by user						●	●	●												
34	SS Return Error						●	●													
35	SMS RPERROR									●											
37	USSD return error								●												
39	Interaction with call/SM control by USIM, permanent problem						●	●	●	●											

Table 6.1: Proactive commands versus possible Terminal response

		PROACTIVE COMMAND																			
		CARD APDU	POWER ON CARD	POWER OFF CARD	GET READER STATUS	RUN AT COMMAND	LANG NOTIFICATION	OPEN CHANNEL	CLOSE CHANNEL	RECEIVE DATA	SEND DATA	GET CHANNEL STATUS	SERVICE SEARCH	GET SERVICE INFORMATION	DECLARE SERVICE						
	TERMINAL RESPONSE	**'30'**	**'31'**	**'32'**	**'33'**	**'34'**	**'35'**	**'40'**	**'41'**	**'42'**	**'43'**	**'44'**	**'45'**	**'46'**	**'47'**						
14	USSD or SS Transaction terminated by user																				
34	SS Return Error																				
35	SMS RPERROR																				
37	USSD return error																				
39	Interaction with call/SM control by USIM, permanent problem																				

Table 6.1: Proactive commands versus possible terminal response

		PROACTIVE COMMAND								
		SET UP CALL	SEND SS	SEND USSD	SEND SMS					
TERMINAL RESPONSE		'10'	'11'	'12'	'13'					
00	Command performed successfully	•	•	•						
01	Command performed with partial comprehension	•	•	•						
02	Command performed, with missing information	•	•	•						
03	REFRESH performed with additional EFs read									
04	Command performed successfully, but requested icon could not be displayed	•	•	•						
05	Command performed, but modified by call control by USIM	•		•						
06	Command performed successfully, limited service									
07	Command performed with modification									
08	REFRESH performed but indicated USIM was not active									
10	Proactive UICC session terminated by the user	•								
11	Backward move in the proactive UICC session requested by the user									
12	No response from user									
13	Help information required by the user									
14	USSD or SS Transaction terminated by user	•	•	•						
20	ME currently unable to process command	•	•	•						
21	Network currently unable to process command	•	•	•						
22	User did not accept the proactive command	•								
23	User cleared down call before connection or network release	•								
24	Action in contradiction with the current timer state									
25	Interaction with call control by USIM, temporary problem	•	•	•						
26	Launch browser generic error									
30	Command beyond MEs capabilities	•	•	•						
31	Command type not understood by ME	•	•	•						
32	Command data not understood by ME	•	•	•						
33	Command number not known by ME	•	•	•						
34	SS Return Error	•	•							
35	SMS RPERROR				•					
36	Error, required values are missing	•	•	•						
37	USSD return error			•						
38	Multiple Card command error									
39	Interaction with call/SM control by USIM, permanent problem	•	•	•	•					
3A	Bearer Independent Protocol error									
3B	Access Technology unable to process command									

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Tdoc ⌘T3-050192

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CHANGE REQUEST

⌘ **31.111** **CR** **141** ⌘**rev** **-** ⌘ Current version: **5.8.0** ⌘

*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⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Correction of missing Terminal Response information
Source:	⌘	T3
Work item code:	⌘	TEI5
Date:	⌘	11/02/2005
Category:	⌘	**A**
Release:	⌘	Rel-5

Use one 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 one 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:	⌘	The Terminal Response table is incomplete. Some entries have been lost since release 99 from the split of the toolkit specification with ETSI SCP. This can prevent correct implementation of the Terminal Response.
Summary of change:	⌘	Complete Terminal Response table re-inserted.
Consequences if not approved:	⌘	Impossibility to implement correctly the TERMINAL RESPONSE

Clauses affected:	⌘	6.11			
Other specs affected:	⌘	Y / N	Other core specifications	⌘	31.124
		N: X			
		Y: X	Test specifications		
		N: X	O&M Specifications		
Other comments:	⌘				

How to create CRs using this form:
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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.

6.11 Proactive commands versus possible Terminal response

Table 6.1 shows for each proactive command the possible terminal response returned (marked by a "●" character), in addition to those defined in TS 102 223 [32].

Table 6.1: Proactive commands versus possible Terminal response (continued overleaf…)

		PROACTIVE COMMAND																			
		REFRESH	MORE TIME	POLL INTERVAL	POLLING OFF	SETUP EVENT LIST	SET UP CALL	SEND SS	SEND USSD	SEND SMS	SEND DTMF	LAUNCH BROWSER	PLAY TONE	DISPLAY TEXT	GET INKEY	GET INPUT	SELECT ITEM	SET UP MENU	PROVIDE LOCAL INFO	TIMER MANAGEMENT	SETUP IDLE MODE TEXT
	TERMINAL RESPONSE	'01'	'02'	'03'	'04'	'05'	'10'	'11'	'12'	'13'	'14'	'15'	'20'	'21'	'22'	'23'	'24'	'25'	'26'	'27'	'28'
14	USSD or SS Transaction terminated by user						●	●	●												
34	SS Return Error						●	●													
35	SMS RPERROR									●											
37	USSD return error								●												
39	Interaction with call/SM control by USIM, permanent problem						●	●	●	●											

Table 6.1: Proactive commands versus possible Terminal response

		PROACTIVE COMMAND																			
		CARD APDU	POWER ON CARD	POWER OFF CARD	GET READER STATUS	RUN AT COMMAND	LANG NOTIFICATION	OPEN CHANNEL	CLOSE CHANNEL	RECEIVE DATA	SEND DATA	GET CHANNEL STATUS	SERVICE SEARCH	GET SERVICE INFORMATION	DECLARE SERVICE						
	TERMINAL RESPONSE	**'30'**	**'31'**	**'32'**	**'33'**	**'34'**	**'35'**	**'40'**	**'41'**	**'42'**	**'43'**	**'44'**	**'45'**	**'46'**	**'47'**						
14	USSD or SS Transaction terminated by user																				
34	SS Return Error																				
35	SMS RPERROR																				
37	USSD return error																				
39	Interaction with call/SM control by USIM, permanent problem																				

Table 6.1: Proactive commands versus possible terminal response

		PROACTIVE COMMAND								
		SET UP CALL	SEND SS	SEND USSD	SEND SMS					
TERMINAL RESPONSE		'10'	'11'	'12'	'13'					
00	Command performed successfully	•	•	•						
01	Command performed with partial comprehension	•	•	•						
02	Command performed, with missing information	•	•	•						
03	REFRESH performed with additional EFs read									
04	Command performed successfully, but requested icon could not be displayed	•	•	•						
05	Command performed, but modified by call control by USIM	•		•						
06	Command performed successfully, limited service									
07	Command performed with modification									
08	REFRESH performed but indicated USIM was not active									
10	Proactive UICC session terminated by the user	•								
11	Backward move in the proactive UICC session requested by the user									
12	No response from user									
13	Help information required by the user									
14	USSD or SS Transaction terminated by user	•	•	•						
20	ME currently unable to process command	•	•	•						
21	Network currently unable to process command	•	•	•						
22	User did not accept the proactive command	•								
23	User cleared down call before connection or network release	•								
24	Action in contradiction with the current timer state									
25	Interaction with call control by USIM, temporary problem	•	•	•						
26	Launch browser generic error									
30	Command beyond MEs capabilities	•	•	•						
31	Command type not understood by ME	•	•	•						
32	Command data not understood by ME	•	•	•						
33	Command number not known by ME	•	•	•						
34	SS Return Error	•	•							
35	SMS RPERROR				•					
36	Error, required values are missing	•	•	•						
37	USSD return error			•						
38	Multiple Card command error									
39	Interaction with call/SM control by USIM, permanent problem	•	•	•	•					
3A	Bearer Independent Protocol error									
3B	Access Technology unable to process command									

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Barcelona, Spain, 8 – 11 February 2005

Tdoc ⌘T3-050193

CR-Form-v7.1

CHANGE REQUEST

⌘	**31.111**	**CR**	**142**	⌘ **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⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Correction of missing Terminal Response information
Source:	⌘	T3
Work item code:	⌘	TEI6
Date:	⌘	11/02/2005
Category:	⌘	**A**
Release:	⌘	Rel-6

Use one 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 one 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:	⌘	The Terminal Response table is incomplete. Some entries have been lost since release 99 from the split of the toolkit specification with ETSI SCP. This can prevent correct implementation of the Terminal Response.
Summary of change:	⌘	Complete Terminal Response table re-inserted.
Consequences if not approved:	⌘	Impossibility to implement correctly the TERMINAL RESPONSE

Clauses affected:	⌘	6.11				
		Y	**N**			
Other specs affected:	⌘		X	Other core specifications	⌘	
		X		Test specifications		31.124
			X	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.

6.11 Proactive commands versus possible Terminal response

Table 6.1 shows for each proactive command the possible terminal response returned (marked by a "●" character), in addition to those defined in TS 102 223 [32].

Table 6.1: Proactive commands versus possible Terminal response (continued overleaf…)

		PROACTIVE COMMAND																			
		REFRESH	MORE TIME	POLL INTERVAL	POLLING OFF	SETUP EVENT LIST	SET UP CALL	SEND SS	SEND USSD	SEND SMS	SEND DTMF	LAUNCH BROWSER	PLAY TONE	DISPLAY TEXT	GET INKEY	GET INPUT	SELECT ITEM	SET UP MENU	PROVIDE LOCAL INFO	TIMER MANAGEMENT	SETUP IDLE MODE TEXT
	TERMINAL RESPONSE	'01'	'02'	'03'	'04'	'05'	'10'	'11'	'12'	'13'	'14'	'15'	'20'	'21'	'22'	'23'	'24'	'25'	'26'	'27'	'28'
14	USSD or SS Transaction terminated by user						●	●	●												
27	MMS Temporary Problem																				
34	SS Return Error						●	●													
35	SMS RPERROR									●											
37	USSD return error								●												
39	Interaction with call/SM control by USIM, permanent problem						●	●	●	●											
3D	MMS Error																				

Table 6.1: Proactive commands versus possible Terminal response

		PROACTIVE COMMAND																		
		CARD APDU	POWER ON CARD	POWER OFF CARD	GET READER STATUS	RUN AT COMMAND	LANG NOTIFICATION	OPEN CHANNEL	CLOSE CHANNEL	RECEIVE DATA	SEND DATA	GET CHANNEL STATUS	SERVICE SEARCH	GET SERVICE INFORMATION	DECLARE SERVICE	RETRIEVE MM	SUBMIT MM	DISPLAY MM		
	TERMINAL RESPONSE	**'30'**	**'31'**	**'32'**	**'33'**	**'34'**	**'35'**	**'40'**	**'41'**	**'42'**	**'43'**	**'44'**	**'45'**	**'46'**	**'47'**	**'60'**	**'61'**	**'62'**		
14	USSD or SS Transaction terminated by user																			
27	MMS Temporary Problem															●	●	●		
34	SS Return Error																			
35	SMS RPERROR																			
37	USSD return error																			
39	Interaction with call/SM control by USIM, permanent problem																			
3D	MMS Error															●	●	●		

Table 6.1: Proactive commands versus possible terminal response (continued overleaf)

		PROACTIVE COMMAND								
		SET UP CALL	SEND SS	SEND USSD	SEND SMS	RETRIEVE MM	SUBMIT MM	DISPLAY MM		
TERMINAL RESPONSE		'10'	'11'	'12'	'13'	'60'	'61'	'62'		
00	Command performed successfully	●	●	●						
01	Command performed with partial comprehension	●	●	●						
02	Command performed, with missing information	●	●	●						
03	REFRESH performed with additional EFs read									
04	Command performed successfully, but requested icon could not be displayed	●	●	●						
05	Command performed, but modified by call control by USIM	●		●						
06	Command performed successfully, limited service									
07	Command performed with modification									
08	REFRESH performed but indicated USIM was not active									
09	Command performed successfully, tone not played									
10	Proactive UICC session terminated by the user	●								
11	Backward move in the proactive UICC session requested by the user									
12	No response from user									
13	Help information required by the user									
14	USSD or SS Transaction terminated by user	●	●	●						
20	ME currently unable to process command	●	●	●						
21	Network currently unable to process command	●	●	●						
22	User did not accept the proactive command	●								
23	User cleared down call before connection or network release	●								
24	Action in contradiction with the current timer state									
25	Interaction with call control by USIM, temporary problem	●	●	●						
26	Launch browser generic error									
27	MMS Temporary Problem					●	●	●		
30	Command beyond MEs capabilities	●	●	●						
31	Command type not understood by ME	●	●	●						
32	Command data not understood by ME	●	●	●						
33	Command number not known by ME	●	●	●						
34	SS Return Error	●	●							
35	SMS RPERROR				●					
36	Error, required values are missing	●	●	●						
37	USSD return error			●						
38	Multiple Card command error									
39	Interaction with call/SM control by USIM, permanent problem	●	●	●	●					
3A	Bearer Independent Protocol error									

		PROACTIVE COMMAND								
		SET UP CALL	SEND SS	SEND USSD	SEND SMS	RETRIEVE MM	SUBMIT MM	DISPLAY MM		
TERMINAL RESPONSE		'10'	'11'	'12'	'13'	'60'	'61'	'62'		
3B	Access Technology unable to process command									
3C	Frames error	•								
3D	MMS Error					•	•	•		

3GPP TSG-T3 #34
Barcelona, Spain
08-11 February 2005

T3-050200
previous document: T3-040826

CR-Form-v7.1

CHANGE REQUEST

⌘ **31.111** **CR** **128** ⌘ **rev** **2** ⌘ 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⌘ [X] ME [X] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Clarification of Terminal Profile procedure
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	11/02/2005
Category:	⌘	**B**
Release:	⌘	Rel-6

Use one 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 one 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:	⌘	Applets and applications that were designed for earlier releases may expect a Terminal Profile only during the initialization procedure. Due to the lack of other mechanisms, the Terminal Profile could have been used for startup processing, etc. Allowing additional Terminal Profiles, as introduced in TS 102 223 v6.4.0, could cause problems, if cards with these applications were used in new phones.
Summary of change:	⌘	Clarify that Terminal Profiles are only allowed within the initialization sequence, unless additional Terminal Profiles are activated in the UST. For backwards compatibility with existing MEs, Terminal Profile may also be sent after a Refresh/USIM Initialization and Refresh/3G session reset (which includes the USIM initialization procedure).
Consequences if not approved:	⌘	Backwards compatibility problems with applications on existing cards used in new phones.

Clauses affected:	⌘	5.1			
Other specs affected:	⌘	**Y** / **N** **X** / ☐ Other core specifications ☐ / ☐ Test specifications ☐ / ☐ O&M Specifications	⌘	TS 31.102 – see T3-050048	
Other comments:	⌘				

5 Profile download

5.1 Procedure

The profile download instruction is sent by the ME to the UICC as part of the UICC initialization procedure. The UICC initialization~~is~~ procedure is specified in 3GPP TS 31.101 [13].

If the UICC indicates the support of "Additional TERMINAL PROFILE after UICC activation" in its USIM Service Table, the ME shall handle the profile download procedure as specified in TS 102 223 [32].

If the UICC does not indicate the support of "Additional TERMINAL PROFILE after UICC activation" in its USIM Service Table, the profile download instruction shall only be sent by the ME to the UICC as part of the UICC initialization procedure. However, if a USIM initialisation procedure is performed due to a refresh proactive command, the USIM initialisation procedure may also include a profile download.

The profile(s) sent by the ME shall state the facilities relevant to USAT that are supported by the ME.

~~See additional details in TS 102 223 [32].~~