

CR-Form-v7

## CHANGE REQUEST

⌘ **22.140 CR 040** ⌘ rev - ⌘ Current version: **6.3.0** ⌘

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

<b>Title:</b>	⌘ UICC interaction with MMS clients		
<b>Source:</b>	⌘ SA (Schlumberger, TIM)		
<b>Work item code:</b>	⌘ MMS-R6	<b>Date:</b>	⌘ 30/10/2003
<b>Category:</b>	⌘ <b>B</b>	<b>Release:</b>	⌘ Rel-6
	<i>Use <u>one</u> of the following categories:</i> <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		<i>Use <u>one</u> of the following releases:</i> <b>2</b> (GSM Phase 2) <b>R96</b> (Release 1996) <b>R97</b> (Release 1997) <b>R98</b> (Release 1998) <b>R99</b> (Release 1999) <b>Rel-4</b> (Release 4) <b>Rel-5</b> (Release 5) <b>Rel-6</b> (Release 6)

**Reason for change:** ⌘ Some operators are very aware they could benefit from using USIM to send and receive MM and/or elements of it. Here are some uses cases where operators and end users alike could benefit from these new capacities:

1 Banking Application  
 A USIM-based MMS Management could give the possibility to create an application, which will manage large amount of multimedia data in a secure environment. In fact: 3-DES, RSA, PKI will give the same security as we have today with SMS Based applications.  
 Besides this, we could also display and manage:

- Diagrams
- Graphs
- Simulation of the ATM Display
- Multimedia Advertising

2 Location Based Services  
 A USIM-based MMS Management could give the possibility to create new Location Based Services; thanks to this kind of applications the user could receive and interact with the map of the researched place.

3 "Ready to send" cards  
 These are preformatted messages easy and fast to send, from a user library or an operator library (written during card personalization or downloaded).  
 The user just picks in a menu a pre-formatted MMS, which is directly sent to the given destination.

**Summary of change:** ⌘ Introduce the possibility for MMs or elements of messages to be sent or received by the UICC.

4 Application triggering

On reception of an MMS, special applications can be triggered:

- MMS management applications (MMS client).
- Proprietary applications when receiving particular MMS. As an example, an Account Manager Application could be launched when receiving MMS from the user's bank.

**Consequences if not approved:** ⌘

**Clauses affected:** ⌘ 5.2 – 5.7 (new)

	Y	N		
<b>Other specs Affected:</b>	X		Other core specifications	⌘ TS 31.102, TS 31.111
		X	Test specifications	
		X	O&M Specifications	

**Other comments:** ⌘ This CR is the revision of CR38 presented at TSG SA#21

## 5.2 Multimedia message delivery and submission

### - Submission mechanism

The MMS shall support multimedia messages or messages elements to be submitted from the sender's ~~terminal~~UE.

### - Push Mechanism

The MMS shall be able to support a request for multimedia messages or messages elements to be automatically delivered to the recipient's ~~terminal~~UE.

### - Pull Mechanism

The MMS shall be able to support a request for multimedia messages or messages elements to be delivered to the recipient's ~~terminal~~UE on request by the recipient.

Note: Push and pull delivery mechanisms could be identical; the criteria which decide on the type of mechanism (push / pull) are either described in the User Services Profile or out of the scope of this specification.

[...]

## 5.6 Error Messages

- It shall be possible for the operator to configure the content of the error message delivered to the MMS client

## 5.7 MMS client interaction with UICC

- It shall be possible for an MMS client in the ME to interact with a UICC to send and receive MMS messages in accordance with the requirements in this specification. The interaction with the UICC shall allow MMS management (e.g. delivery, submission) and the presentation of multimedia messages stored on the UICC to the user.

It shall be possible sent with an MM to advise the UE that special protection shall be afforded to the MM. Where such an indication arrives with an MM, means shall be provided to ask the user for confirmation in order to protect the MM from accidental deletion. The use of this indication shall be under the control of the HPLMN.

It shall be possible to indicate to the UE that a downloaded MM needs to receive special treatment. When a MM has been marked with this indication, means shall be provided to protect the MM from accidental deletion e.g. by asking additional confirmation to the user. The use of this indication shall be under the control of the HPLMN.