

CHANGE REQUEST

22.140 CR 38 # rev - # Current version: **6.2.0**

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

Title:	# UICC interaction with MMS clients		
Source:	# MmO2, Schlumberger, TIM		
Work item code:	# MMS-R6	Date:	# 23/09/2003
Category:	# B	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: # 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.
 USAT Application

These use cases cover the following possibilities:

- the card can manage the MM all by itself using its own MMS client
- the card rely on an already existing MMS client on the terminal

As several MMS client can be present in the UE (TE, ME and UICC), a way to describe how they interact with the UICC is needed.

Consequences if not approved: ⌘

Clauses affected: ⌘ 5.2 – 5.7 (new) – 5.8 (new)

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

Other comments: ⌘

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 UICC interaction with MMS client

- It shall be possible for a UICC to interact with an MMS client in the ME provided by the ME manufacturer 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 from the UICC to the user.

5.8 Multiple MMS clients

- It shall be possible for a single UE to contain more than one MMS client. MMS clients can reside on the TE, the MT or the UICC.

- Any MMS client can send or receive multimedia messages in accordance with the Requirements in this specification

- A solution for addressing multiple MMS clients on a UE is required. In the case of UE to UE MMS, the solution shall enable the sending of MMS from any client on the source UE to any client on the destination UE. In the case of 3rd Party to UE, the solution shall enable the sending of MMS to any client on the destination UE.