
Source: SA1
Title: CRs to 22.140 Rel-5 on various MMS issues
Document for: Approval
Agenda Item: 7.1.3

SA Doc	Spec	CR	Rev	Phase	Cat	Subject	Old Vers	New Vers	SA1 Doc
SP-020055	22.140	010		Rel-5	B	CR 22.140 Rel. 5 B Support of "Recipient Party pays" charging model in MMS	5.0.0	5.1.0	S1-020517
SP-020055	22.140	011		Rel-5	B	CR to 22.140 on addressing	5.0.0	5.1.0	S1-020209
SP-020055	22.140	013		Rel-5	B	CR 22.140 Rel. 5 MMS Configuration	5.0.0	5.1.0	S1-020622

CR-Form-v5	
CHANGE REQUEST	
⌘	⌘ 22.140 CR 010 ⌘ rev - ⌘ Current version: 5.0.0 ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Support of "Recipient Party pays" charging model in MMS.		
Source:	⌘ SA1		
Work item code:	⌘ MMS	Date:	⌘ 07-Feb-2002
Category:	⌘ B	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)

Reason for change:	⌘ Some use cases of MMS require a "recipient party pays" charging model for the termination of a message. This requirement is currently not specified in MMS Stage 1.
Summary of change:	⌘ Added a requirement for "Recipient party pays" section 8 of 22.140.
Consequences if not approved:	⌘ Many different implementations of "recipient party pays" may be realized in absence of a standardised way (e.g. for VASP MMS connectivity) with impacts on interoperability.

Clauses affected:	⌘ 8
Other specs affected:	⌘ <input checked="" type="checkbox"/> Other core specifications ⌘ 23.140 <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
Other comments:	⌘ T2 is already working on this

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.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.

8 Charging

The MMS shall be able to support various charging mechanisms. The following charging characteristics may be considered:

- message types, length, storage time in the network, etc,
- delivering time, upload / download method,
- MM-sender / -recipient,
- number of messages sent,
- number of messages received,
- roaming conditions,
- location conditions,
- Receiving party pays; upon request of the message originator,
- Indication of charging,

The MMS indicates to the recipient prior to the recipient downloading a multi media message whether the sender has paid or the recipient is expected to pay for the message.

- Prepaid subscriptions.

CHANGE REQUEST

⌘ 22.140 CR 013 ⌘ rev - ⌘ Current version: 5.0.0 ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ MMS configuration information in the USIM		
Source:	⌘ SA1		
Work item code:	⌘ MMS enhancements	Date:	⌘ 14/02/2002
Category:	⌘ B	Release:	⌘ REL-5
<i>Use <u>one</u> of the following categories:</i>		<i>Use <u>one</u> of the following releases:</i>	
F (essential 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)	

Reason for change:	⌘ The configuration parameters for MMS are currently stored in the ME, if the user wants to attain service, those parameters must be configured manually. The purpose of this CR is to provision these parameters in the USIM. In this way the issuers of the USIM could provide the configuration parameters of their services dynamically thus improving the user experience. Moreover, the presence of the configuration parameters in the USIM will enable the user to change terminal without having to re-configure it.
Summary of change:	⌘ Allow configuration parameters of the MMS service to be stored in the USIM.
Consequences if not approved:	⌘ The user must configure manually MMS service each time he changes terminal or network operator.

Clauses affected:	⌘ 5.1
Other specs Affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/>
	<input type="checkbox"/> Test specifications
	<input type="checkbox"/> O&M Specifications
Other comments:	⌘ T2 and T3 are already working on this

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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.

5.1 Multimedia message management

- Terminal-sensitive MM management

The MMS shall be able to support the capability for the terminal and network to take account of the capability of the user's terminal (e.g. deliver a MM / notification in a manner compatible with the terminals capability).

- Terminal status-sensitive MM Management

The MMS shall be able to support the capability of the network to take account of the availability, changes of the state of availability of the terminal (e.g. store messages if the recipient is not available).

- MMS Control by the operator

The MMS shall be able to support a request from the operator to enable/disable MM delivery and submission.

- MMS Control by the user

The MMS shall be able to support a request from the user to enable/disable MM delivery and submission.

This requirement shall be supported at the application layer in the terminal, and will not be further elaborated.

- Storage of configuration information in the USIM

It shall be possible to store in the USIM a number of sets of configuration information to allow access to MMS services. One of these sets of configuration information is preset by the issuer of the USIM. Such preset configuration information set shall only be configurable by issuer of the USIM.

The preset configuration information is selected unless otherwise specified by the user.

It shall be possible to retain the configuration information when the UICC is used in different terminals.

CHANGE REQUEST

⌘ **22.140 CR 011** ⌘ rev **-** ⌘ Current version: **5.0.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ MMS support of both MSISDN and e-mail addressing schemes		
Source:	⌘ SA1		
Work item code:	⌘ MMS enhancements	Date:	⌘ 31/1/2002
Category:	⌘ B	Release:	⌘ REL-5
	Use <u>one</u> of the following categories: F (essential 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)

Reason for change:	⌘ It was agreed in the Phoenix MMS SWG meeting to accept the GSMA's wish to update the MMS Stage 1 to require both MSISDN and e-mail addressing schemes shall be supported by MMS to allow operator choice of MMS addressing schemes.
Summary of change:	⌘ A requirement is added to require both MSISDN and e-mail addressing schemes. References to E.164 and URL addressing specifications are added, and a reference to the TR on advanced addressing is removed.
Consequences if not approved:	⌘

Clauses affected:	⌘		
Other specs Affected:	<input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> 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.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TS 22.101 (V3.6.0 onwards): "Service Principles".

[2] 3GPP TS 22.121 (V3.0.0 onwards): "The Virtual home Environment".

[3] 3GPP TS 21.133 (V3.0.0 onwards): "3G Security; Security Threats and Requirements".

~~[4] 3GPP TS 22.975 (V3.0.0 onwards): "Advanced Addressing".~~

[4] [ITU-T E.164 \(1997\): "The International Public Telecommunications Numbering Plan"](#).

[5] [IETF; STD 0011 \(RFC 2822\): "Internet Message Format", URL: http://www.ietf.org/rfc/rfc2822.txt](#).

5.4 Addressing

The MMS shall support different addressing formats to identify the sender and recipient ~~as specified in 22.975 [4] where applicable~~. It shall be possible to submit one message to multiple recipients.

The MMS shall support the capability for both MSISDN [4] and e-mail addressing schemes [5] to be used, and the user may use either form of addressing to send a message.

The MMS shall be able to support the request to hide the sender's address from the recipient.