
Source: SA1
Title: CR to 22.140 on Support of charging models in MMS
Document for: Approval
Agenda Item: 7.1.3

Doc-1st-Level	Spec	CR	Rev	Phase	Cat	Subject	Vers	Vers New	Doc-2nd-Level
SP-020193	22.140	010	1	Rel-5	B	Support of charging models in MMS	5.0.0	5.1.0	

CHANGE REQUEST

✂
22.140 CR 010
✂
rev 1
✂
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 charging models in MMS.		
Source:	✂ Vodafone Group		
Work item code:	✂ MMS	Date:	✂ 12 March -2002
Category:	✂ B	Release:	✂ REL-5
	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 .		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:	✂ The charging models for MMS are not clear. For instance, 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:	✂ Addition of charging models being considered for MMS, including a requirement for "Recipient party pays", in 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 <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	✂	23.140
Other comments:	✂ T2 is already working on this		

8 Charging

The MMS shall be able to support various charging models, including:

- Sender pays;
- both Sender and Recipient pay their respective charges for message delivery;
- Recipient pays for receipt of messages from a VASP when there is a commercial agreement between the Recipient and the VASP;
- Sender pays for reply message on a per message basis .

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,
- 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.