

Work Item Description

Title

MMS Release 2000

1 3GPP Work Area

	Radio Access
	Core Network
X	Services

2 Linked work items

- *All-IP(SA2)*
- *Real-Time Multimedia (SA4)*
- *USIM (T3)*
- *S5.3Charging*
- *VHE / OSA (SA2)*

3 Justification

The current version of 23.140 identifies areas that requires further elaboration and therefore the following items are planned to be included in the Release 2000 version of MMS.

4 Objective

MMS Release 2000 targets the following areas :-

- To create a full description of the MMS architecture that will be able to support the range of currently envisaged MMS business models and implementation schemes, incorporating Internet messaging, Enterprise messaging, VHE, WAP based and IP based solutions and 2G messaging.
- Consider and accommodate the needs of an All-IP architecture
- Better definition of interworking issues (e.g. translation from/to email addresses and MSISDN numbers, mobile number portability, media format conversion).
- To support terminal interoperability, looking for the support of a minimum set of mandatory media types and formats for classes of devices and the definition of a capability negotiation mechanism.
- Extended User Agent capabilities (e.g. MExE / Java, voice based UA)
- Detail description of User Profile mechanisms
- Identification of required protocols and development if needed
- USIM and USAT aspects of MMS
- Security enhancements (e.g. VPN/IPSEC, End to End Security, terminal security)
- Further elaboration of charging
- External interfaces (e.g. AT commands)
- Enhanced Multi Media presentation (e.g. SMIL)
- Streaming (downloading and uploading messages)
- Instant messaging

The listed items shall enhance interoperability and shall be implemented in a way that will ensure backwards compatibility where possible.

5 Service Aspects

The MMS allow users to send and receive messages exploiting the whole array of media type available today, e.g. text, images, video, while also making it possible to support new content types as they become popular.

6 MMI-Aspects

- Content presentation
- Service activation
- Provisioning of the service
- Message handling

7 Charging Aspects

MMS should standardise charging mechanisms especially in roaming situations and between different operators. Other charging mechanisms (e.g. air time) may be needed when MMS Relay / Server are outside of the operator's domain. Liaison with TSG-S5 for charging issues is intended.

8 Security Aspects

Security enhancements (e.g. VPN/IPSEC, End to End Security, terminal security). Liaison with TSG-S3 for security issues is intended.

9 Impacts

Affects:	USIM	ME	AN	CN	Others
Yes	Yes	Yes		Yes	Yes
No					
Don't know			Don't know		

10 Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
22.140						
23.140				T#10		

11 Work item raporteurs

Gunnar Schmidt, Siemens

12 Work item leadership

TSG-T2

13 Supporting Companies

Nokia, Comverse, Motorola, Siemens, Telia, France Telecom, NTT DoCoMo, CMG, Mannesmann, Sonera, T-Mobil, Alcatel , Ericsson

14 Classification of the WI (if known)

X	Feature (go to 14a)
	Building Block (go to 14b)
	Work Task (go to 14c)

14a The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature

(one Work Item identified as a feature)

14c The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)