3GPP TSG-T#12
Stockholm, SWEDEN, 13-15 June 2001

Tdoc TP-010130

Work Item Description

Title

MMS Release 5

1 3GPP Work Area

	Radio Access
	Core Network
X	Services

2 Linked work items

- *3GPP IP Multimedia Subsystem (IMS) (SA1, SA2)*
- *Real-Time Multimedia (SA4)*
- *USIM (T3)*
- *Charging (SA5)*
- *VHE (SA1, SA2)*
- *OSA (SA1, SA2, CN5)*
- *CAMEL (SA1, CN2)*
- *Presence (SA1, SA2)*

3 Justification

The current version of 23.140 identifies areas that require further elaboration and therefore the following items are planned to be included in the Release 5 version of MMS.

4 Objective

MMS Release 5 targets the following areas:

- Consider and accommodate the needs of 3GPP IP Multimedia Subsystem (IMS)
- Investigate and identify support for enhanced interworking issues (e.g. translation from/to email addresses and MSISDN numbers, mobile number portability, media format conversion).
- Investigate and identify support for enhancements of terminal capability negotiation mechanism to ensure terminal interoperability
- Investigate and identify support for extended User Agent capabilities for MMS (e.g. MexE, WAP NG, SIP)
- Investigate and identify support for detail description of User Profile mechanisms as part of VHE
- Investigate and identify support for USIM and USAT aspects of MMS
- Investigate and identify support for security enhancements (e.g. VPN/IPSEC, End to End Security, terminal security)
- Investigate and identify support for enhanced charging methods (e.g. prepaid support using VHE toolkits)
- Investigate and identify support for enhancements of the interworking with external messaging systems (e.g. with e-mail systems)
- Investigate and identify support for enhancements of the interworking with VAS applications
- Investigate and identify support for enhancements for streaming (referring to the specifications from SA4)
- Investigate and identify support for enhancements for addressing (e.g. for address hiding, read-reply and reply to anonymous messages)
- Investigate and identify the support of network based mailbox model in MMSE
- Investigate and identify support for enhancements for media types/formats and multimedia presentation e.g. SMIL Basic (according the guideline of the SA4)

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

5 Service Aspects

The MMS allow users to send and receive messages exploiting the whole array of media type available today, e.g. text, sound, 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. The support for prepaid in MMS is required. 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
No			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 rsp. WG	2ndary rsp. 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			TSG-T#14	

11 Work item raporteurs

Josef Laumen, Siemens

12 Work item leadership

TSG-T2

13 Supporting Companies

Alcatel, Comverse, Ericsson, France Telecom, Hutchison 3G, Materna, Motorola, Nokia, One2One, Openwave, Siemens, Sonera, Swapcom, Tecnomen, Telia, Vodafone

14 Classification of the WI (if known)

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

14b The WI is a Building Block: Parent Feature: Messaging Enhancements