3GPP TSG-T (Terminals) Meeting #16
Marco Island, FL, USA, 5 - 7 June, 2002

Tdoc TP-020108

3GPP TSG-T2 #17
Vancouver, BC, Canada
13 -17 May 2002

T2-020572

Title:	**LS regarding MMS Rel-6 WID**
Source:	3GPP T2
To:	3GPP SA1
Cc:	3GPP T

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Attachments: T2-020571

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1. Overall Description:

TSG-T2 would like to inform TSG-SA1 and TSG-T that during the T2#17 meeting there was a discussion regarding the work item description for MMS release 6.
The outcome of the discussion is a preliminary list of possible target work areas that are included in the attached document T2-020571.

2. Actions:

ACTION:

Action to SA1: T2 kindly requests SA1 to review the proposed preliminary MMS release 6 work item description and provide comments. In addition T2 kindly asks SA1 to have a joint meeting in order to finalize the MMS release 6 work item description.

3. Dates of next T2 Meetings:

T2#18	12-16 Aug 2002	Velen, Germany
T2#19	18-22 Nov 2002	Korea

Preliminary DRAFT MMS REL-6 Work Item Description

Title

MMS Release 6

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)*
- *OSA (SA1, SA2, CN5)*
- *Presence (SA1, SA2)*
- *IMS Messaging (SA1, SA2)*
- *IMS Group Management (SA1, SA2)*
- *Generic User Profile (SA2)*
- *DRM (SA1, SA2)*
- *Push (SA1, SA2)*
- *PSS (SA4)*

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 6 version of MMS.

4   Objective

MMS Release 6 MIGHT target the following areas:

- MMS UA to MMS Relay/Server enhancements and MMS UA/UE related items (MM1)
    - Flow control of notifications, e.g. fix notification service behavior if memory capacity exceeded
    - MM Replace/cancel over MM7 after MM notification is sent to UA
    - Investigate and identify support for 3GPP push, e.g. MMS alert (based on SMS Alert)
    - Enhancements to MM1 (additional information elements on MM1, acknowledgements, time stamp and time zone, adding data (message digest, e.g. text part of MM) into notification, User prompt in MMS)
    - Enhanced MMbox handling (e.g. Selective retrieval of MM objects, directory structure)
    - Enhancements of USIM/USAT aspects of MMS
    - Non-WAP MM1 implementation
- Interworking with MMS Server (MM2)
    - Re-investigate need for MM2
- Interworking with legacy systems (MM3)
    - MM3 interface to external Mail server

- Interworking with legacy voice-mail systems /voice messaging (VXML, IMS)
- Legacy handset support (e.g. MMS/SMS/EMS interoperability)
- Interconnection with different MMSEs (MM4)
  - MM4 enhancements (e.g. discovery of MMS Relay/Server capabilities)
- User Database related items (MM6)
  - Specify MM6 transactions
- Value Added Service Provider related items (MM7)
  - Enhancements to MM7, e.g. defining APIs, handling mailing lists, better handling of financial transactions, improved authorisation/authentication
  - Support for Distribution List Management over MM7
  - Allow UA to indicate VASP via which an MM should be passed in MM1_submit.REQ and its MM7 impact
  - Investigate and identify support for enhancements of the interworking with VAS applications, e.g. based on OSA extensions
  - VASP in MMSE_A offering services to subscriber of MMSE_B
- Billing related items (MM8)
  - Define MM8 reference point
  - Prepaid-interface for MMS, in particular prevent transmission if user has low charging balance
  - Charging Enhancements (3rd Party financed, Prepaid charging, etc.)
  - Advice of Charge
  - Support for MM volume classes based charging
- End to End Service items
  - Support for 3GPP DRM in MMS
  - Investigate and identify support for addressing enhancements, e.g. interworking with IMS messaging
  - Support for End-to-End security
  - Privacy
  - Enabling filtering mechanisms (e.g. support for Spam control)
  - GUP interworking, MMS UA capabilities, two-way capability detection/negotiation, notification to legacy terminals after MMS-user changed to non-MMS terminal
  - Interface to presence & specify presence enabled (online) address book
  - Investigate and identify relationship MMS/Instant Messaging
  - Investigate possibility of transcoding interface to external transcoding server
  - Streaming enhancements, e.g. interface between MMS R/S and PSS server
  - Investigate and identify support for enhancements for media types/formats and multimedia presentation (according to guideline of SA4)
  - MMS OTA Provisioning
  - Investigate and identify relationship to IMS Messaging and IMS Group Management

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 ongoing.

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						Under SA1 prime-responsibility
23.140						
26.140						MMS codecs
26.233						PSS
26.234						PSS
32.200						Charging Principles
32.235						MMS CDR aspects
31.102						USIM aspects of MMS
???		OSA specs				OSA enhancements for messaging support might be needed
Ab.cde		IMS Messaging				Subject to decision whether or not a new specification is needed
Ab.cde		IMS Group Management				Subject to decision whether or not a new specification is needed
Ab.cde		Presence				
Ab.cde		Push				

11   Work item raporteurs

Josef Laumen, Siemens

12   Work item leadership

TSG-T2
Second responsibility: TSG-SA1

13   Supporting Companies

???

14 Classification of the WI (if known)

	Feature (go to 14a)
X	<mark>Building Block (go to 14b)</mark>
	Work Task (go to 14c)

<mark>14b   The WI is a Building Block: Parent Feature: Messaging Enhancements</mark>