Technical Specification Group Services and System Aspects **TSGS#17(02)0417**

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Meeting Number	**BARG #58**
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BARG 151/02

Title **LS to 3GPP T2 and 3GPP SA5 on MMS Volume Definition**
Source **BARG - CPWP**
Date **2 July 2002**

Status
Please mark with "X" one of the following actions relating to this document:
For Approval ☒ **For Information** ☐

Document History		
Revision	**Date**	**Brief Description**

Summary

This document contains a Liaison Statement from BARG - CPWP to 3GPP T2 and 3GPP SA5 on MMS Volume Definition.

To: 3GPP T2, 3GPP SA5

CC: SA

From: BARG-CPWP

Subject: MMS Volume Definition

Date: 3rd of July, 2002

CPWP thanks T2 and SA5 for your work to adapt the MMS Release 4 Specifications to recent urgent requirements.

From the charging point of view, one of the main requirements is the exact definition of volume (message size): The mobile station / user agent shall be able to determine the **charging relevant** volume before submission of the MM.

This matter was taken up in 3GPP TSG SA5 and in 3GPP TSG T2. Unfortunately, there is a misalignment between the corresponding CRs to 32.235 and 23.140.

The Change request to 32.235 (approved by SA) says:

begin quotation

> **5.16 MESSAGE SIZE**
>
> The message size includes the number of octets of the subject information element and of all media components of the transmitted MM except the presentation description component.
>
> Editor's Note: To be aligned with the pending CR T2-020564.

end quotation

The Change Request to 23.140 (approved by T) has the following definition:

begin quotation

> Message size is calculated as if the MM were transmitted over MM1 assuming MM1 Submission or Retrieval of the MM.
>
> The Message size is defined as the number of octets of the entire MM, i.e., in an MM1 implementation the Message size includes the size of all headers and the MM content.
>
> The Message size of the same MM can be considerably different for Submission or Retrieval in case of content adaptation in the Retrieval case.
>
> The Message size is dependent on the actual MM1 specific technical realization. For example the Message size for the WAP MMS realisation [56] is defined as the full size of the associated M-Send-req PDU in octets in case of Submission or M-Retrieve.conf PDU in octets in case of Retrieval.

end quotation

Assessment:

- The existence of two different definitions seems problematic.
- The definition of T2 is simpler, however, the customer's volume perception may be based on the content and not the transport overhead, e.g. signalling.
- The T2 definition may give rise to different volumes for the same message dependent on the service implementation.
- The T2 definition does not allow the customer to identify the volume before sending the message.
- The definition of SA5 requires a complete parsing of the MM in the originator MMS R/S (recursive counting of bytes constituting the media components). However this parsing might be necessary anyhow due to the different coding on MM1 and MM4.

Proposal:

A harmonised definition of 'message size' should be achieved that

- allows the terminal to indicate the charging relevant data volume to the user before sending the MM
- reflects the data volume of user data
- provides a uniform definition of volume to provide a common baseline on which all charging can be based at all stages of the service, i.e. interworking charging can be based on the same volume figures as retail charging (irrespective of the specific charging models being used).