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3RD GENERATION  
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## **MMS MM1 Stage 3 Using OMA/WAP**

**Revision: 0**

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## Revision History

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## FOREWORD

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# 1 Introduction

## 2 1.1 Scope

3 This is a complete Stage 3 specification for the MM1 reference point, and ad-  
4 heres to the 3GPP2 Stage 2 for MM1.

5 This document defines the stage 3 description of the non real time Multimedia  
6 Messaging Service, MMS. Stage 3 identifies the protocols and formats needed to  
7 support the functional capabilities and information flows described in stage 2.

8 This document includes information applicable to network operators, service  
9 providers and server and device manufacturers.

10 The document contains the core protocol and formats for interoperability be-  
11 tween a device client and an MMS Relay/Server.

## 12 1.2 References

13

14 [stage1] 3GPP2 S.R0064-0; "Multimedia Messaging Service; Stage 1" Require-  
15 ments, October 2002.

16 [stage2] 3GPP2 X.S0016-200/TIA-934-200; "Multimedia Messaging Service;  
17 Stage 2" April, 2003

## 18 1.3 Terminology

19 This document uses the following "verbal forms" and "verbal form definitions":

- 20 1. "shall" and "shall not" identify items of interest that are to be strictly followed and  
21 from which no deviation is recommended,
- 22 2. "should" and "should not" indicate items of interest that are highly desirable and  
23 particularly suitable, without identifying or excluding other items; or (in the nega-  
24 tive form) indicate items of interest that are not desirable, are not particularly  
25 suitable, or are not recommended but not prohibited, and
- 26 3. "may" and "may not" indicate items of interest that are optional but permissible  
27 within the limits of this recommendation.

28

## 29 1.4 Definitions

30 None.

## 31 1.5 Abbreviations

32 MMS Multimedia Messaging Service

33 OMA Open Mobile Alliance

34 WAP Wireless Application Protocol

1   **2           Stage 2 Amendments (Normative)**

2           None.

3   **3           MMS MM1 Stage 3 Using OMA/WAP De-**  
4           **scription**

5   **3.1           Introduction (Informative)**

6           This section defines the Stage 3 for interoperability between an MMS Re-  
7           lay/Server and a device client.

8   **3.2           Stage 3 Specification (Normative)**

9           The OMA\WAP implementation option of the MM1 interface shall support the  
10          protocol signaling and procedural definitions contained in the following:

- 11
- 12          • Open Mobile Alliance; OMA-WAP-ENC-v1\_1; Multimedia Messaging Ser-  
13          vice; Encapsulation Protocol. URL: <http://www.openmobilealliance.org>
  - 14          • Open Mobile Alliance; OMA-WAP-MMS-CTR-v1\_1; Multimedia Messaging  
15          Service; Client Transactions. <http://www.openmobilealliance.org>.
  - 16          • Open Mobile Alliance; OMA-WAP-MMS-ARCH-v1\_1; Multimedia Messag-  
17          ing Service; Architecture. Overview. <http://www.openmobilealliance.org>