



SMSGlobal – MM7
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MM7-API

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MM7-API

Preface

Welcome to the SMSGlobal MM7-API. This document provides a reference for all features available to you via the MM7 interface for sending MMS.

Introduction

The MM7-API allows you to integrate your Application (Client) to SMSGlobal (Vendor) allowing you to send MMS via the MM7 protocol.

The MM7 protocol is based on the concept of Web Services and uses SOAP and HTTP for communication. The multimedia messages are sent to the MMS Relay/Server with HTTP POST method. The body of the post contains XML data about the delivery and the multimedia message as a MIME-multipart attachment.

Server Details

Parameter	Description
IP/DOMAIN	http://www.msglobal.com.au/mms/mm7_api.php
PORT	80
SYSTEM ID	[Username]
PASSWORD	[Password]

Sending an MMS

To send an MMS using MM7, you must POST an MM7 document via HTTP to the IP/Domain listed above.

HTTP Header

To send correctly, the HTTP Header needs to be set with the following values:

```
POST /MM7 HTTP/1.1
SOAPAction: ""
Content-Type: multipart/related; boundary="boundary-mm7-soap-5AX156NhoO"; type="text/xml";
start="<mms-mm7-start>"
Expect: 100-continue
Connection: close
MIME-Version: 1.0
```

The MM7 Document

An MM7 document looks like this:

The first few lines are a MIME Header containing information about the first part of the document:

```
--boundary-mm7-soap-5AX156NhoO
Content-Type: text/xml; charset="us-ascii"
Content-ID: <mms-mm7-start>
```

Following this is XML code providing details about the MM7 Request. The following values can be modified as needed:

- USERNAME: Your SMSGlobal username
- PASSWORD: Your SMSGlobal password
- RECIPIENT: The number you wish to send the MMS to
- SUBJECT: The subject of the MMS

```

<?xml version="1.0" ?>
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<env:Header>
  <mm7:TransactionID
xmlns:mm7="http://www.3gpp.org/ftp/Specs/archive/23_series/23.140/schema/REL-5-MM7-1-0"
env:mustUnderstand="1" xsi:type="xsd:string">
    a29503841d978160f6a4d126de9f5b7e
  </mm7:TransactionID>
</env:Header>
<env:Body>
  <SubmitReq xmlns="http://www.3gpp.org/ftp/Specs/archive/23_series/23.140/schema/REL-5-
MM7-1-0">
    <MM7Version>5.3.0</MM7Version>
    <SenderIdIdentification>
      <VASPID>USERNAME</VASPID>
      <VASID>PASSWORD</VASID>
      <SenderAddress>
        <RFC2822Address>61447100250</RFC2822Address>
      </SenderAddress>
    </SenderIdIdentification>
    <Recipients>
      <To>
        <Number>RECIPIENT</Number>
      </To>
    </Recipients>
    <MessageClass>Informational</MessageClass>
    <DeliveryReport>>true</DeliveryReport>
    <ReadReply>>true</ReadReply>
    <Priority>Normal</Priority>
    <Subject>SUBJECT</Subject>
    <Content href="cid:mms-start" allowAdaptations="true" />
  </SubmitReq>
</env:Body>
</env:Envelope>

```

The next part specifies the actual files to attach. It begins with the following header:

```

--boundary-mm7-soap-5AX156NhoO
Content-Type: multipart/mixed; boundary="boundary-mm7-mime-5AX156NhoO"
Content-ID: <mms-start>

```

And then a separate part for each file, comprised of header information followed by the actual file contents, encoded in base64. As an example, we are sending a text file with the words ‘Hello World’, and a gif of the SMSGlobal logo:

--boundary-mm7-mime-5AX156NhoO
Content-Type: text/plain; name="text.txt"
Content-ID: <text.txt>
Content-Location: text.txt
Content-Transfer-Encoding: base64
Content-Disposition: inline

SGVsbG8gV29ybGQ=

--boundary-mm7-mime-5AX156NhoO
Content-Type: image/gif; name="SMSGlobal.gif"
Content-ID: <SMSGlobal.gif>
Content-Location: SMSGlobal.gif
Content-Transfer-Encoding: base64
Content-Disposition: inline

R0lGODlhggBEANUAAAwLC4aBea6rpYWFhdbV0sLCwmdiV/X09Ht3bnFsYkIISovq6cLAvLi1sJCMhDo5Oa
Sjo8zKxxsaGvDw8JqWj6Shm+Hf3dHR0SoqKlhYWHd2dmdnZ84wN7OysuHg4MsiKuWQIJSUINI+Rdtne
+6vPzx8thZX+ieofLlyusr991el1XTP///wAA
AAACH5BAAAAAALAAAAACCAEQAAAb/QJZwSCwaj8ikcslsO
p/QqHRKrVqv2Kx2y+16v+CweEwum8/otHrNbrvf8Lh8Tq/b7/i8fs/v+/+AgYKDhIWGh4iJTQuKRBYUK1EH
DAECWAsNCZGNLA4rKwIRnyuWVwKjSCiEBwgrAVEEn6VXnghGJBwfHCSDp69RrbNWvkYilywjHL2uUgG
kWcRFHyAsKR/Lv1DOWlXRRcCocJylm2M3PWN5DJSAmICXIUdvQzFQTBfcTRiEQQvcXRBfwlfFwr8CRBQQ
Sllk3BKFCI/IsJGSURCKBA0YYPoEgAcMDAADyCYGAACCAARJAAlBgT4FKCR2MaADwoOQDlGcqhJmoEJ
C/wJDGC5whqCVgQZFnAXQNCoARsIEWn0y8FSixiYFVo4EYFDITJAPIBTIAFbCgAihUkooMsCkKA0AiHgKg
DHCqE9B6QmxYGBFBCER+llgQjRCQk8rDGAcOHmpAcFFrjJpO2DIAH5DPiog4hLAv61cOQOIKSTD51grLAY
ZG1kvC03CTvkdli/visFCGOAVojObVddP2kr4bMRIZcsgiUwA2VWlywciiciWDtyb7hVVD3xyQPvcEKaLkF39
7ZuF5CVZQQ6IPsQ4kbZxiTB/D1ICZtuLza/gTj0bYoi7sVCbbUAdwdB5S0Cg0gPEOecWcvENMR8RclGUQX
R2rcDAahq2lv+NUkbotImA3gH2SYE4NdBXeQguccFHAGDAnnsQFjEhER2kBEAGhCUGVAMr2OJhdyMyF
uCAQqCGlgsMzNUKi8BJUeF9LNAoBHw2hmbEBDB6MMQBzkwIQH55ZQMjDkmb0h03Ql7lym2MHBhIE
xJE99FxDuLJApyaclCAZsJsZyfDBiwpIF6XYcUEX3N4kwFRXiCm35CkshfmVM8WCUAVN5JX4RCgETan36
C5CULdpWHaChDGJUfklp1F2uSieV3SqWHaFlpbwFckdJZldA0RAffmXVISQBoYNBYB13AQD2FQCXBkO
0WYkA2ArQAEULCNDXCj4J8WYCDDBwSgKqEYmzgGHeogvVJwkEYABTSy0w1LfrRjGWZusNe9K/V/571p
8C4wmBAhhIoACVYN51lwGqdZutAetSkoABATRApnkRVOBMAg5saAQDCBhAwQIHUGBAviz8NNEfASA
w8ZmXcolGBQIsDKSqNo8ByaJFzNlzGJ8APUQsRg89Rl8541SU0mdc1xMDDKhMF9RnRCDVdiJj7fXXYlct9t
hkl2322WinrfbabLft9ttwxy333HTXbffXQQAOW==

And finally, some footer information to close the document.

--boundary-mm7-mime-5AX156NhoO--

--boundary-mm7-soap-5AX156NhoO--

Response

The response for an MM7 Request will be in XML SOAP format, and looks like this:

```
<?xml version="1.0"?>
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Header>
    <transactionID
xmlns="http://www.3gpp.org/ftp/Specs/archive/23_series/23.140/schema/REL-5-
MM7-1-0" env:mustUnderstand="1">
      a29503841d978160f6a4d126de9f5b7e
    </transactionID>
  </env:Header>
  <env:Body>
    <DeliverRsp
xmlns="http://www.3gpp.org/ftp/Specs/archive/23_series/23.140/schema/REL-5-
MM7-1-0">
      <MM7Version>5.3.0</MM7Version>
      <Status>
        <StatusCode>1000</StatusCode>
        <StatusText>Success</StatusText>
        <Details>Transactional</Details>
        <MessageID>5ba41312ffa76754ac86334bc1a8645c</MessageID>
      </Status>
    </DeliverRsp>
  </env:Body>
</env:Envelope>
```

The following elements are particularly relevant:

- **StatusCode:** The code returned from the server. The following are some common Status Codes:
 - 1000: Success
 - 102: Invalid Username/Password
 - 4041: Missing destination numbers parameter
 - 4042: Missing TransactionID parameter
 - 4043: Missing subject parameter
 - 4044: Missing username parameter
 - 404: Missing password parameter
 - 88: No Credits
- **StatusText:** A textual description of the status code
- **Details:** The details of the message that was sent
- **MessageID:** The ID of the message that was sent

SMSGlobal Contact Details

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