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# Genesys SMS Aggregation Service HTTP API User Guide

## Sending a Mobile Terminated (MT) Message

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The URL where you should send MT requests is:

- <https://smsc-api.genesyscloud.com/httpapi/receiver>

The table below lists the expected query parameters:

Name	Type	Mandatory?	Description
login	String	Yes	Supplied by Genesys
password	String	Yes	Supplied by Genesys
phone_number	String	Yes	The destination address for this message. <i>Must</i> be numeric and in international format.  For example, a US phone number should be formatted as 12025550100, and a UK phone number should be formatted as 447700900000.
sender	String	Yes	Source address for this message. Must be enabled on your account.
carrier	String	No	If a Carrier ID is supplied, Genesys will trust it. See the <a href="#">Reach list</a> for Carrier ID definitions. If a Carrier ID is not supplied Genesys will make its routing determination based upon the Country Code included in the phone_number parameter (see example above).
message	String	Yes	The message body.
message_id	String	Yes	A unique identifier for this message. Can be made optional if you cannot provide a unique message_id per request. Please contact your account manager.
receipt	String	No	The valid option values

Name	Type	Mandatory?	Description
			are TRUE, FALSE.  FALSE (default)—No receipt is needed. TRUE—The client is asking for any DRs to be sent to their configured URL.
app_id	String	No	An optional parameter that you can provide, which will be returned in a field of the same name with Delivery Receipts
conversation_id	String	No	An optional parameter that you can provide, which will be returned in a field of the same name with Delivery Receipts
priority	String	No	The priority of the message. Valid values are:  BULK_LOW, BULK, INTERACTIVE_LOW, and INTERACTIVE.  If this parameter is not specified, the default for the account (BULK) is used. Use of an invalid priority results in an error.
mms_attachment[n].content_type	String	No	If this is an MMS message, the MIME type of the <i>n</i> th attachment. MMS attachments must be numbered consecutively starting with 0 (see the <b>Important note</b> below).
mms_attachment[n].content	String	No	If this is an MMS message, the Base64-encoded binary content of the <i>n</i> th attachment (see the <b>Important note</b> below).

### Important

If your `mms_attachment[0].content_type` is given as any type of `multipart/*` content-type then the system does not automatically smil wrap the given content. If it

is anything else, the given content is automatically smil wrapped.

## HTTP API Response

After Genesys validates the MT request, an HTTP 200 response is sent to the client. The body of this response is in the form of a parameter `result_code`. This code indicates the acceptance state of MT request and has the following values:

Code	Description	Explanation
0	Queued	Message has been accepted for processing.
1	Request Invalid	Required parameters are missing.
2	Authentication Failed	The user credentials are not correct or do not exist.
3	Carrier ID Invalid	The carrier ID is not an integer or there is no mapping for this carrier ID.
4	Source address not allowed	The shortcode is not provisioned for that account
5	Source address denied	The provided shortcode is not registered for this client.
6	Throttled	The request rate is higher than the amount provisioned for the account. Lower the request rate.
7	Duplicate Message	This message has the same message_id as a previously accepted request
8	Message body too long	The length of the message to be sent is greater than allowed for this client.
98	Internal server error	There is an internal problem.
99	Any other error	Any errors not specified by one of the other result codes.

## MT Retries

Depending on the result code, the client can retry the request. However, note the following recommendations:

- Do not retry the message immediately, but wait a short period of time, such as 30 seconds.

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- Do not retry the message indefinitely. Stop retrying after a reasonable number of attempts, such as 10.
- If, when submitting an MT, the connection drops before the response is read (and therefore it is unknown whether the message succeeded or not), retry the message without changing the ID. If the Genesys server successfully processed the message on the previous attempt, it will respond with result code 7 (duplicate message ID). Otherwise, it will process the message normally.