



**Quicksms**

## **API Reference Guide**

- 1. Sending RCS/SMS**
- 2. RCS/SMS Delivery Receipts**
- 3. RCS Seen Receipt**
- 4. Receiving Incoming Messages**

## 1. Sending an RCS/SMS Message

An RCS/SMS request must contain all of the information which is required to route a message through the system to the handset. These are:

Information	POST Field	Example
Request Type	reqType	BULK
Number to send to	MSISDN	447123456789
Message	msg	Hello World
Sender	sender	TestSender

Requests must be sent to "https://api2.mmg.co.uk/rcs/v2/api".

All required information must be present in the JSON POST structure of the request.

Username/Password credentials should be sent along with the request via a standard basic authorisation header.

### Example Request

```
POST https://api2.mmg.co.uk/rcs/v2/api
Content-Type: application/json
Authorization: Basic <base64 encoded username:password>
```

```
{
  "reqType": "BULK",
  "MSISDN": "447891658396",
  "msg": "test message",
  "sender": "TestSender",
}
```

### Optional Parameters

Information	POST Field	Example
Multipart allowed (> 160 characters)	multi	true
Custom ID (returned with receipt)	cid	123456
Receipt Delivery URL	Delurl	www.receipts.co.uk

## Request Response

### Successful Request

On submission of a complete SMS message request the server will respond with a single string in the format “Success 100, 42” where 42 is replaced by the unique reference used by MMG for delivery of the message to the handset and subsequent delivery report.

### Notes

- A message will only be sent by RCS if the Sender ID has been pre-registered, otherwise it will be sent as a standard SMS.
- An RCS message will be attempted for 10 seconds before failing over to a standard SMS if it can't be achieved

### Example Successful Response

```
HTTP 200 OK
Content-Type: application/json
{
  "reference": "42"
}
```

### Failed Request

Upon receiving an incorrect request the server will respond with a single string in the format “Error 204” where 204 is replaced with one of the error codes below

### Example Failed Response

```
HTTP 400 Bad Request
Content-Type: application/json
{
  "Error":206,
  "Description":"Invalid username or password"
}
```

### Error Codes

Error Code	Explanation
200	The request was not received through HTTPS. Requests must be sent to <a href="https://api.mmg.co.uk/rcs/api">https://api.mmg.co.uk/rcs/api</a>
201	The request was not made through HTTP POST

202	Username and/or Password not set or Username not in correct format
203	Request type not set
204	Invalid request type sent
205	Missing required field
206	Username or password incorrect
207	Invalid MSISDN
208	Master account does not have enough credits available to complete the transaction
209	Message too long
210	Sender too long
220	API is temporarily disabled due to too many failed logins.
221	API is permanently disabled due to too many failed logins.

## 2. RCS/SMS Delivery Receipt

Once the RCS/SMS message has been delivered a POST request will be made to the location defined in your API account.

The format of the request will be as follows:

Information	POST Field	Example
Unique Reference	ID	42
Custom Reference	CID	1234-232-134
Number message sent to	MSISDN	447123456789
Delivery Date and Time	Delivery	2012-06-27 12:33:00
Status	status	3
Substatus	substatus	5

Upon successful receipt of the above data the receiving server should respond in a timely manner (less than a second) with a single line string response of "RECEIVED"

### Example Delivery Receipt

POST <https://www.website.co.uk/receipts>

Content-Type: application/json

```
{
  "reference": "564634E434D0586B0C957D97E556CAD",
  "MSISDN": "447891658396",
  "status": "3",
  "substatus": "5",
  "deliverytime": "2024-01-01 16:36:48",
  "cid": "customid"
}
```

### Status Codes

Code	Explanation
3	Successful Delivery
2	Undeliverable
4	Message delivery has expired
5	Message has been rejected by the network

## Sub Status Codes

Code	Explanation
2	Delivered to Operator
5	Delivered to handset
4	Message was rejected by the operator and deemed undeliverable, possibly due to a network glitch or restrictions imposed by the operator
9	Message was not delivered to the intended recipient and considered undeliverable, typically due to factors such as an invalid or unreachable destination number
15	Message was received and sent to the operator. However, it has been pending until the validity period has expired or the operator returns the EXPIRED status
29	Message has expired, and the delivery status is unknown, indicating that the delivery report or confirmation was not received or could not be determined
6	Message has been received, but the network is experiencing problems
10	Message has been received and rejected because the user is subscribed to DND (Do Not Disturb) services
14	The destination address has been blocklisted either at the operator's request

### 3. RCS Seen Receipt

Once the RCS message has been seen a POST request will be made to the location defined in your API account.

**Note:** Only RCS messages send a Seen Receipt.

The format of the request will be as follows:

Information	POST Field	Example
Unique Reference	ID	42
Custom Reference	CID	1234-232-134
Number message sent to	MSISDN	447123456789
Seen Date and Time	seentime	2012-06-27 12:33:00

Upon successful receive of the above data the receiving server should respond in a timely manner (less than a second) with a single line string response of "RECEIVED"

#### Example Seen Receipt

POST <https://www.website.co.uk/seen-receipts>

Content-Type: application/json

```
{  
  "reference":"564634E434D0586B0C957D97E556CAD",  
  "CID": "1234-232-134",  
  "MSISDN":"447891658396",  
  "seentime":"2024-01-01 16:36:48",  
}
```

## 4. Receiving Incoming Messages

When an incoming message is received by the MMG system, it is checked against a list of registered numbers and RCS senders. If one is found, a POST request will be made to the location defined in your API account.

The format of the request will be as follows:

Information	Post Field	Example
Unique Reference	ID	42
Number/Sender message sent from	MSISDN	447123456789
Message	Message	Hello
Number message sent to	Number	44789011829
Received Date and Time	DateReceived	2012-06-27 12:33:00 or Failed

Upon successful receipt of the above data the receiving server should respond in a timely manner (less than a second) with a single line string response of "RECEIVED".

### Example Request

POST <https://www.website.co.uk/incoming.php>

Content-Type: application/json

```
{  
  "MSISDN": "NotifyTest",  
  "Message": "Testing",  
  "Number": "44789100000",  
  "DateRecieved": " 2024-01-28 11:54:32",  
  "ID": "MxJFwONlywR7yZysg7iAtDXQ"  
}
```