



API Messaging v1.3 GMD Solutions

The GMD API uses HTTP verbs and a REST full endpoint structure. An access key is used as the API Authorization framework. Request and response payloads are formatted as JSON, using UTF-8 encoding and URL encoded values.

To use this API, you need an account and an access key, which can be created in your account.

GMD provides the creation of test keys to discover and test the API at your own convenience. The difference between a live key and a test key is that a live key actually sends a message, while a test key does not. However, when you send a message using a test key, you will get a fake created object back.

GMD uses standard HTTP status codes to indicate success or failure of an API request. Codes in the 2xx range indicate that a request was successfully processed.

In case of an error, the body of the response includes a json formatted response that tells you exactly what is wrong.

Attributes

- error** An integer that represents the error type.
- errorDescription** A human-readable description of the error. You can provide your users with this information to indicate what they can do about the error.

COMMON Error Codes

- 0** No errors
- 1** Invalid API key
- 2** Not enough params
- 3** Account blocked
- 4** Invalid request or API method does not exists
- 5** Unknown error
- 6** Invalid price grid parameter
- 7** Invalid or missing parameters
- 8** Not enough money
- 9** Inactive price grid
- 10** Invalid time sent
- 11** Exceeded limit for messages processed simultaneously
- 12** Exceeded batch size limit

SMS Error Codes

- 20** SMS not found
- 21** Invalid MSISDN
- 22** External ID absent
- 23** External ID already exists
- 24** Invalid request payload
- 25** Invalid originator
- 26** Invalid sms text
- 27** Invalid External ID
- 28** Invalid validity time
- 29** Invalid task ID
- 30** Task not found
- 31** MSISDN already present in request
- 32** Originator not allowed

VIBER Error Codes

- 40 Message not found
- 41 Invalid MSISDN
- 43 External ID already exists
- 44 Invalid request payload
- 45 Invalid or unregistered sender
- 46 Invalid message text
- 47 Invalid External ID
- 48 Invalid validity time
- 49 Invalid combination of Viber options
- 51 Duplicate phone

HLR Error Codes

- 60 HLR not found
- 61 Invalid MSISDN
- 62 External ID absent
- 63 External ID already exists
- 64 Invalid request payload
- 65 Invalid External ID
- 66 MSISDN already present in request

API endpoint

<https://api.gmd.rs/rest/{module}/{functionName}>.



SMS introduction

GMD provides an API to send SMS messages to any country across the world.

GMD are identified by a unique random ID. And with this ID you can always check the status of the message through the provided endpoint.

URI

`https://api.gmd.rs/rest/sms`

Available http methods

1. **PUT (POST)** /rest/sms/create
2. **GET** /rest/sms/{id}
3. **GET** /rest/sms/reference/{reference}
4. **GET** /rest/sms/task/{id}

The message object

ATTRIBUTES

Attribute	Type	Description
originator	string	The sender of the message. This can be a telephone number (including country code) or an alphanumeric string. In case of an alphanumeric string, the maximum length is 11 characters. Required
body	string	The body of the SMS message. Required
msisdn	string	The telephone numbers. Required



Send a message

Creates a new message object. GMD returns the created message object with each request. Per request, a max of 50 phones can be entered.

REQUIRED PARAMETERS

Parameter	Type	Description
destination	string	The type of message campaign. Required Values can be: phone (single message reuest). phones (multiple message reuest).
originator	string	The sender of the message. This can be a telephone number (including country code) or an alphanumeric string. In case of an alphanumeric string, the maximum length is 11 characters. Required
body	string	The body of the SMS message. Required
msisdn	string	The telephone number. Required
reference	string	A client reference. Required
phones	array	The array of recipients msisdn's & reference's. Required Set only for multiple message request ("destination": "phones").

OPTIONAL PARAMETERS

Parameter	Type	Description
validity	int	The amount of seconds that the message is valid.
tariff	int	Tariff code of a price grid.

DEFINITION

PUT (POST) <https://api.gmd.rs/rest/sms/create>

RETURNS

Returns a message object if the request was successful. If the request failed, an error object will be returned.



EXAMPLE REQUEST (SINGLE MESSAGE)

```
{ "destination": "phone",
  "originator": "alpha name",
  "body": "message text",
  "msisdn": "380972000000",
  "reference": "ext_id_16",
  "validity": "1",
  "tariff": "0"
}
```

EXAMPLE RESPONSE (SINGLE MESSAGE)

```
{ "result": {
  "error": 0,
  "errorDescription": "No errors",
  "reference": "ext_id_16",
  "id": "213",
  "price": 0.23,
  "currency": "EUR"
}
```

EXAMPLE REQUEST (MULTIPLE MESSAGES)

```
{ "validity": "1",
  "tariff": "0",
  "destination": "phones",
  "originator": "alpha_name",
  "body": "message text",
  "phones": [
    {
      "msisdn": "380972000000",
      "reference": "ext_id_17"
    },
    {
      "msisdn": "380972000001",
      "reference": "ext_id_18"
    }
  ]
}
```

ATTRIBUTES

Attribute Type	Description
<code>task_id</code> int	An unique random ID which is created for multiple request.

EXAMPLE RESPONSE (MULTIPLE MESSAGES)

```
{ "task_id":"6",
  "result":[
    {
      "error":0,
      "errorDescription":"No errors",
      "reference":"ext_id_17",
      "id":"214",
      "price":0.23,
      "currency":"EUR"
    },
    {
      "error":0,
      "errorDescription":"No errors",
      "reference":"ext_id_18",
      "id":"215",
      "price":0.23,
      "currency":"EUR"
    }
  ],
  "total_price":0.46,
  "currency":"EUR"
}
```

View a status

Retrieves the information of an existing message. This message can be a sent or a received message. You only need to supply the unique message id that was returned upon creation or receiving.

PARAMETERS

Parameter	Type	Description
id	int	An unique random ID which is created on the GMD. platform and is returned upon creation of the object. Required
reference	string	A client reference. Required
task_id	int	An unique random ID which is created for multiple request. Required

ATTRIBUTES

Attribute	Type	Description
id	int	An unique random ID which is created on the GMD platform and is returned upon creation of the object.
msisdn	string	The telephone number.
reference	string	A client reference.
validity	int	The amount of seconds that the message is valid.
time_in	datetime	The date and time of the creation of the message .
time_sent	datetime	The scheduled date and time of the message.
time_dr	datetime	The date and time of the creation of the message.
status	string	The date and time of the last status of the message. Possible values: scheduled, sent, delivered, expired, undeliverable, rejected, unknown.



REQUEST MESSAGE STATUS BY ID

DEFINITION

GET <https://api.gmd.rs/rest/sms/{id}>

EXAMPLE RESPONSE

```
{ "error":0,  
  "errorDescription":"No errors",  
  "id":"211",  
  "msisdn":"380972000001",  
  "reference":"ext_id_19",  
  "time_in":"2017-01-17 09:11:41",  
  "time_sent":"2017-01-17 09:11:41",  
  "time_dr":"2017-01-17 09:11:41",  
  "status":"delivered",  
  "price":0.23,  
  "currency":"EUR"  
}
```

REQUEST MESSAGE STATUS BY REFERENCE

DEFINITION

GET <https://api.gmd.rs/rest/sms/{reference}>

EXAMPLE RESPONSE

```
{ "error":0,  
  "errorDescription":"No errors",  
  "id":"211",  
  "msisdn":"380972000001",  
  "reference":"ext_id_19",  
  "time_in":"2017-01-17 09:11:41",  
  "time_sent":"2017-01-17 09:11:41",  
  "time_dr":"2017-01-17 09:11:41",  
  "status":"delivered",  
  "price":0.23,  
  "currency":"EUR"  
}
```



EXAMPLE ERROR RESPONSE FOR MESSAGE STATUS

```
{ "error": 20,  
  "errorDescription":"SMS not found"  
}
```

REQUEST TASK INFO BY TASK_ID

DEFINITION

GET https://api.gmd.rs/rest/sms/task/{task_id}

EXAMPLE RESPONSE

```
{"originator":"alpha_name",  
 "body":"message text",  
 "validity":72,  
 "totalprice":0.23,  
 "currency":"EUR",  
 "sent":1,  
 "delivered":1,  
 "expired":0,  
 "undeliverable":0,  
 "unknown":0  
}
```

EXAMPLE ERROR RESPONSE FOR TASK INFO

```
{"error": 30,  
  "errorDescription":"Task not found"  
}
```

VIBER introduction

GMD provides an API to send VIBER messages to any country across the world.

GMD are identified by a unique random ID. And with this ID you can always check the status of the message through the provided endpoint.

URI

`https://api.gmd.rs/rest/viber`

Available http methods:

- **PUT (POST)** /rest/viber/create
- **GET** /rest/viber/{id}
- **GET** /rest/viber/{tariff}

The VIBER message object

Attribute	Type	Description
to	array	The array of recipients msisdn's & reference's.
msisdn	string	The telephone number.
reference	string	A client reference.
text	string	The body of the VIBER message.
alpha_name	string	The sender of the message.



Attribute	Type	Description
is_promotional	boolean	Indicates if the message is a promotional. Default: false .
options	hash	An hash with VIBER options.
viber	hash	An hash with VIBER optional params. (Required all params.)
img	string	An URL for image.
caption	string	Caption for the button.
action	string	An URL for action button.

MESSAGE OBJECT EXAMPLE

```
{ "to": [
  {
    "msisdn": "380972920000",
    "reference": "ext_id_19"
  }
],
"text": "My Viber messages is shinier than your SMS messages",
"alpha_name": "GMD",
"is_promotional": false,
"options": {
  "viber": {
    "img": "http://mysite.com/logo.png",
    "caption": "See Details",
    "action": "http://mysite.com/"
  }
}
}
```

Send a VIBER message

Creates a new message object. GMD returns the created message object with each request. Per request, a max of 50 phones can be entered.

REQUIRED PARAMETERS

Parameter	Type	Description
messages	array	The array of VIBER message objects.
to	array	The array of recipients msisdn's & reference's.
msisdn	string	The telephone number.
text	string	The body of the VIBER message.
alpha_name	string	The sender of the message.

OPTIONAL PARAMETERS

Parameter	Type	Description
validity	int	The amount of seconds that the message is valid.
tariff	int	Tariff code of a price grid.
reference	string	A client reference.
options	hash	An hash with VIBER options.

DEFINITION

PUT (POST) <https://api.gmd.rs/rest/viber/create>

RETURNS

Returns a message object if the request was successful. If the request failed, an error object will be returned.

EXAMPLE REQUEST

```
{ "tariff": "0",
  "validity": "1",
  "messages": [
    {
      "to": [
        {
          "msisdn": "380972920000",
          "reference": "ext_id_19"
        }
      ],
      "text": "My Viber messages is shinier than your SMS messages",
      "alpha_name": "GMD",
      "is_promotional": false,
      "options": {
        "viber": {
          "img": "http://mysite.com/logo.png",
          "caption": "See Details",
          "action": "http://mysite.com/"
        }
      }
    }
  ]
}
```

EXAMPLE RESPONSE

```
{ "result": [
  {
    "error": 0,
    "errorDescription": "No errors",
    "reference": "ext_id_19",
    "id": "217",
    "price": 0.23,
    "currency": "EUR"
  }
],
  "currency": "EUR",
  "total_price": 0.23
}
```

IN ERROR CASE

```
{ "result": [
  {
    "error": 43,
    "errorDescription": "External ID already exists",
    "reference": "ext_id_19"
  }
]
```

View a status

Retrieves the information of an existing message. This message can be a sent or a received message. You only need to supply the unique message id that was returned upon creation or receiving.

PARAMETERS

Parameter	Type	Description
id	int	An unique random ID which is created on the GMD platform and is returned upon creation of the object.
reference	string	A client reference

ATTRIBUTES

Attribute	Type	Description
id	int	An unique random ID which is created on the GMD platform and is returned upon creation of the object.
msisdn	string	The telephone number.
reference	string	A client reference.
time_in	datetime	The date and time of the creation of the message
time_sent	datetime	The scheduled date and time of the message.



Attribute	Type	Description
<code>time_dr</code>	datetime	The date and time of the creation of the message.
<code>status</code>	string	The date and time of the last status of the message. Possible values: scheduled , sent , delivered , read , expired , undeliverable , rejected , unknown .

REQUEST MESSAGE STATUS BY ID

DEFINITION

GET <https://api.gmd.rs/rest/viber/{id}>

EXAMPLE RESPONSE

```
{ "error":0,
  "errorDescription":"No errors",
  "id":"380972920000",
  "msisdn":"380972920000",
  "reference":"ext_id_19",
  "time_in":"2017-01-17 09:20:02",
  "time_sent":"2017-01-17 09:20:02",
  "time_dr":"2017-01-17 09:20:02",
  "status":"read",
  "price":0.23,
  "currency":"EUR"
}
```

REQUEST MESSAGE STATUS BY REFERENCE

DEFINITION

GET <https://api.gmd.rs/rest/viber/{reference}>

EXAMPLE RESPONSE

```
{ "error":0,
  "errorDescription":"No errors",
  "id":"380972920000",
  "msisdn":"380972920000",
  "reference":"ext_id_19",
  "time_in":"2017-01-17 09:20:02",
  "time_sent":"2017-01-17 09:20:02",
  "time_dr":"2017-01-17 09:20:02",
  "status":"read",
}
```




```
"price":0.23,  
"currency":"EUR"  
}
```

IN ERROR CASE

```
{ "error": 40,  
  "errorDescription":"Message not found"  
}
```

Resend a VIBER Message via SMS if undelivered

Creates a new message object. GMD returns the created message object with each request. Per request, a max of 50 phones can be entered.

NOTE: SMS body should be added to viber options hash.

PARAMETERS

Parameter	Type	Description
originator	string	The sender of the SMS message.
text	string	The body of the SMS message.

DEFINITION

PUT (POST) <https://api.gmd.rs/rest/viber/create>

RETURNS

Returns a message object if the request was successful. If the request failed, an error object will be returned.

EXAMPLE REQUEST

```
{ "tariff": "0",
  "validity": "1",
  "messages": [
    {
      "to": [
        {
          "msisdn": "380972920000",
          "reference": "ext_id_19"
        }
      ],
      "text": "My Viber messages is shinier than your SMS messages",
      "alpha_name": "GMD",
      "is_promotional": false,
      "options": {
        "viber": {
          "img": "http://mysite.com/logo.png",
          "caption": "See Details",
          "action": "http://mysite.com/",
          "alt_route": {
            "originator": "GMD",
            "text": "SMS message will be received if you not a VIBER user."
          }
        }
      }
    }
  ]
}
```

EXAMPLE RESPONSE

```
{ "result": [
  {
    "error": 0,
    "errorDescription": "No errors",
    "reference": "ext_id_19",
    "id": "217",
    "price": 0.23,
    "currency": "EUR"
  }
],
  "currency": "EUR",
  "total_price": 0.23
}
```

IN ERROR CASE

```
{ "result":[
  {
    "error":43,
    "errorDescription":"External ID already exists",
    "reference":"ext_id_19"
  }
]
```

View a status

Retrieves the information of an existing message. This message can be a sent or a received message. You only need to supply the unique message id that was returned upon creation or receiving.

PARAMETERS

Parameter	Type	Description
id	int	An unique random ID which is created on the GMD platform and is returned upon creation of the object.
reference	string	A client reference

ATTRIBUTES

Attribute	Type	Description
id	int	An unique random ID which is created on the GMD platform and is returned upon creation of the object.
msisdn	string	The telephone number.
reference	string	A client reference.
time_in	datetime	The date and time of the creation of the message
time_sent	datetime	The scheduled date and time of the message.

Attribute	Type	Description
time_dr	datetime	The date and time of the creation of the message.
status	string	Possible values: scheduled, sent, delivered, read, expired, undeliverable, rejected, unknown.
alt_route	hash	A hash with SMS message info
channel	string	Always SMS
id	int	An unique random ID which is created on the GMD platform and is returned upon creation of the object.
status	string	Possible values: scheduled, sent, delivered, read, expired, undeliverable, rejected, unknown.

DEFINITION

GET <https://api.gmd.rs/rest/viber/{id}>

EXAMPLE RESPONSE

```
{ "error":0,
  "errorDescription":"No errors",
  "id":"470093225",
  "msisdn":"380972920000",
  "reference":"ext_id_19",
  "time_in":"2017-01-17 09:20:02",
  "time_sent":"2017-01-17 09:20:02",
  "time_dr":"2017-01-17 09:20:02",
  "status":"undeliverable",
  "price":0.00,
  "currency":"EUR",
  "alt_route":[{"channel": "sms",
  "id": "470094225",
  "status": "delivered",
  "price"=>"0.023"}]}
```



BALANCE introduction

GMD provides an API to get the balance information of your account.

URI

`https://api.gmd.rs/rest/common/balance`

Available http methods:

- **GET** /rest/common/balance

The balance object

This object represents your balance information.

ATTRIBUTES

Attribute	Type	Description
amount	float	The amount of balance.
currency	string	For all supported currencies, an ISO-4217 code is returned.
limit	int	The credit limit of the postpay payment type.

REQUIRED PARAMETERS

No parameters are required.

RETURNS

Returns a balance object if the request was successful. If the request failed, an error object will be returned.

EXAMPLE RESPONSE

```
{ "error":0,  
  "errorDescription":"No errors",  
  "amount":"-0.2800005",  
  "currency":"EUR",  
  "limit":"10"  
}
```

IN ERROR CASE

```
{ "error": 40,  
  "errorDescription":"Message not found"  
}
```