



Domain: Messaging
Product: SMSOffnetNat
Version: v1
Access: Pre-Commercial/Commercial



api@orange.com

API allows sending mobile terminating SMS message to polish numbers.

API details

| | |
|---------------------------------|--|
| Authorization | APIKey |
| oAuth 2.0 documentation | https://{host}/oauth/v2/doc.json https://{host}/oauth/v2/doc.pdf |
| HTTP Method | GET |
| URI request for SMSOffnetNat | https://{host}/Messaging/v1/SMSOffnetNat?from=...&to=...&msg=...&deliverystatus=...&apikey=... where: For commercial access host is apib2b.orange.pl For pre-commercial access host is apib2b-test.orange.pl |
| URI request for delivery status | https://{host}/Messaging/v1/SMSDeliveryStatus?id=...&apikey=... |
| URI request for documentation | swagger 3.0 format: https://{host}/Messaging/v1/SMSOffnetNat/doc.json pdf format: https://{host}/Messaging/v1/SMSOffnetNat/doc.pdf |
| URI request to check the limit | APIKey authorization: https://{host}/Messaging/v1/SMSOffnetNat/limit?apikey=... oAuth authorization: https://{host}/Messaging/v1/SMSOffnetNat/limit |



API Request Parameters

The request parameters for SMSOffnetNat operation are following:

| Parameter | Description | Type |
|----------------|--|---------|
| from | Sender of the SMS message. Max 11 character long alphanumerical string that describes the sender. Whitespaces not allowed. In case if from is not defined the default customer number will be set. | String |
| to | Recipient of the SMS message in international format, i.e. 48610123456. | Integer |
| msg | Content of the message to be sent. The maximum length of the message is 477 characters in case it contains only ASCII code <= 127. Each characters with code > 127 are counted as 2 characters i.e. Polish diacritic characters. The customer is billed for each 160 characters as a separate text message. Eg 477 characters are treated as 3 text messages | String |
| ucs | UCS character encoding. This parameter is optional. Possible values are: true, false. The default value in API is set to true. | Boolean |
| deliverystatus | Optional parameter defines the delivery status notification sent to a predefined customers url. Possible values: true – notification will be sent to clients url; false - notification will be not sent to clients url | Boolean |
| apikey | Authentication key. A string of characters used to authenticate and authorize the client to invoke APIs. Each client has to receive his own, unique key from Orange. | String |

The request parameters for SMSDeliveryStatus operation are following:

| Parameter | Description | Type |
|-----------|--|--------|
| id | unique id received in response of SMSOffnetNat in parameter id | String |
| apikey | Authentication key. A string of characters used to | String |



authenticate and authorize the client to invoke APIs. Each client has to receive his own, unique key from Orange.

API Response Body

The response body for this operation is represented by the following JSON data structure, where the value part of each name/value pair indicates their data type:

| Parameter | Description | Type |
|----------------|---|--------|
| result | The result of API request; i.e.: <i>OK</i> - the request was accepted. <i>FAILED</i> - An error occurred. | String |
| id | Unique id for a sent message. | String |
| deliveryStatus | Delivery status in Orange network; i.e.: <i>DeliveredToNetwork</i> - message received by network for sending to the SIM card/end user. | String |
| parts | Message parts counter | String |

Response Body for checking limit of SMSOffnetNat API

| Parameter | Description | Type |
|-----------|--|--------|
| used | Number of utilized API requests. | String |
| available | Number of remaining API Request in defined time. | String |
| date | Date of reset counter of API usage. | Date |

HTTP Errors

The Headers of error response are standard HTTP Status Codes:

- 400 Bad Request
- 401 Unauthorized
- 403 Forbidden



404 Not found
405 Validation Exception
500 Internal Server Error
503 Service Unavailable

Error Body

The body of failed response contains the error code with details of error:

| Parameter | Description | Type |
|-------------|-----------------------|---------|
| code | Error code. | Integer |
| message | Main reason of error. | String |
| description | Details of error. | String |

List of error codes

HTTP 400:

Codes:

- 30 - Missing parameters - Parameter to and msg are required.
- 31 - Wrong parameter format "to" - The length of parameter to should be 11 digits.
- 32 - Wrong parameter format "to" - Parameter "to" should be Polish number, start with CountryCode 48.
- 33 - Wrong parameter format "from" - the length parameter "from" should be between 1 and 11 characters.
- 34 - Wrong parameter format "from" - parameter "from" cannot start or end with whitespace character.
- 35 - Wrong parameter format "msg" - "msg" parameter length is a maximum of 477 characters.

HTTP 401:

Codes:

- 40 - Missing credentials - The requested service needs credentials, but none were provided.
- 41 - Invalid credentials - The requested service needs credentials, but the ones provided were invalid.

HTTP 403:



Codes:

50 - Access denied - the application that makes the request is not authorized to access to this endpoint.

51 - No permission for this number - MSISDN is not defined on the list of allowed numbers.

53 - Too many requests - the application has made too many calls and exceeded the rate of limit for this service.

HTTP 404:

Codes:

60 - Resource not found - the requested resource does not exist.

HTTP 405:

Codes:

61 - Method not allowed - the URI does not support the requested method.



Examples

Example 1: SMSOffnetNat Request – Authorization APIKey

<https://apib2b.orange.pl/Messaging/v1/SMSOffnetNat?from=test&to=48610123456&msg=testsms&apikey=tTGPMspDeGpdGQ8PLCyfdSD1jz5zQdZb>

Example 2: SMS OffnetNat Request – Authorization OAuth 2.0

Request Header:

Authorization: Bearer
dFRHUE1zcER1R3BkR1E4UEXDeWZkU0Qxano1e1FkWmI6N2xkRzh5YnJ4S
mxUSHpNbQ==

Request:

<https://apib2b.orange.pl/Messaging/v1/SMSOffnetNat?from=test&to=48510123456&msg=testsms>

Example 3: SMSOffnetNat Response

Response Header:

Status Code: 200 OK

Response Body

```
{  
  "result": "OK",  
  "id": "54510a5d03669312976051",  
  "deliveryStatus": "DeliveredToNetwork"  
}
```

Example 4: SMSOffnetNat – Wrong apikey

Response Header:

Status Code: 401 Unauthorized

Response Body

```
{"code": 41, "message": "Invalid  
credentials", "description": "The requested service needs  
credentials, but the ones provided were invalid."}
```



Example 5: SMSOffnetNat – Lack of apikey

Response Header:

Status Code: 401 Unauthorized

Response Body

```
{"code":40,"message":"Missing
credentials","description":" The requested service needs
credentials, but none were provided."}
```

Example 6: SMSOffnetNat – Limit is reached

Response Header:

Status Code: 403 Forbidden

Response Body

```
{"code":53,"message":"Too many
requests","description":"The application has made too
many calls and has exceeded the rate limit for this
service."}
```

Example 7: SMSOffnetNat – Request for documentation in json format

<https://apib2b.orange.pl/Messaging/v1/SMSOffnetNat/doc.json>

Example 8: SMSOffnetNat – Request for documentation in pdf format

<https://apib2b.orange.pl/Messaging/v1/SMSOffnetNat/doc.pdf>

Example 9: SMSOffnetNat – Request to check the limit – Authorization APIKey

<https://apib2b.orange.pl/Messaging/v1/SMSOffnetNat/limit?apikey=tTGPMspDeGpdGQ8PLCyfdSD1jz5zQdZb>

Example 10: SMSOffnetNat – Request to check the limit – Authorization OAuth 2.0

Request Header:

Authorization: Bearer

dFRHUE1zcERlR3Bkr1E4UEXDeWZkU0Qxano1e1FkWmI6N2xkRzh5YnJ4S
mxUSHpNbQ==



Request:

<https://apib2b.orange.pl/Messaging/v1/SMSOffnetNat/limit>

Example 11: SMSOffnetNat – Check the limit -Response

```
{"used": "5", "available": "95", "date": "Tue Jun 30 2015"}
```

Example 12: SMSDeliveryStatus –Request

<https://apib2b.orange.pl/Messaging/v1/SMSDeliveryStatus?id=54510a5d03669312976051&apikey=tTGPMspDeGpdGQ8PLCyfdSD1jz5zQdZb>

Example 13: SMSDeliveryStatus –Response

```
{"result": "OK", "address": "48610123456", "deliveryStatus": "DeliveredToTerminal"}
```