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

api@orange.com

API allows sending mobile terminating SMS message to polish numbers.

Required implemented Basic Authorization and TLS 1.2, POST method for deliverystatus (since 15.11.2024)

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 2.0 format: https://{host}/Messaging/v1/SMSOffnetNat/doc.json pdf format: https://{host}/Messaging/v1/SMSOffnetNat/doc.pdf
URI request to	APIKey authorization: https://{host}/Messaging/v1/SMSOffnetNat/limit?apikey=...

Last update 17.09.2021

check the limit	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. The list of strings are controlled in accordance with the contract.	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 478 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 478 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.	String
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 Required implemented Basic Authorization and TLS 1.2 (since 15.11.2024)	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	String

	id	
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

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.: *OK* - the request was accepted. *FAILED* - An error occurred.	String
id	Unique id for a sent message.	Integer
deliveryStatus	Delivery status in Orange network; i.e.: *DeliveredToNetwork* - message received by network for sending to the SIM card/end user. List of available DeliveryStatus values: • MessageWaiting - wiadomość oczekuje na wysłanie • DeliveryUncertain - status ustawiany przed próbą wysyłki SMS • DeliveredToNetwork - pomyślnie wysłano SMS • DeliveryImpossible - wysyłka niemożliwa • DeliveredToTerminal – dostarczony • Expired - Wiadomość przeterminowana i nie dostarczona • Deleted – Wiadomość skasowana • Undeliv – Wiadomość nie może być dostarczona • Acceptd – Wiadomość zaakceptowana • Unknow – Status nieznany • Rejected – Wiadomość odrzucona	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

Deliverystatus

If is set optional parameter 'deliverystatus' the delivery status notification sent to a predefined customers url. Changes since 15.11.2024:

Required implemented Basic Authorization and TLS 1.2, change to POST method (since 15.11.2024)

Authorization	Basic Authorization
HTTP Method	POST
Invoking API	In API SMS: optional parameter '**deliverstatus**' 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 (Url must be set by API technical team)

Message Content	`"uniqId": string`
	`"recordDate": string`
	`"smsRecipient": integer`
	`"validityPeriod": integer`
	`"smscStatus": string`
	`"smscStatusDate": array`

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 160 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
dFRHUE1zcERlR3BkR1E4UExDeWZkU0Qxano1elFkWmI6N2xkRzh5YnJ4S
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
dFRHUE1zcERlR3BkR1E4UExDeWZkU0Qxano1elFkWmI6N2xkRzh5YnJ4S
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/SMSDelivereyStatus?id=54510a5d03669312976051&apikey=tTGPMspDeGpdGQ8PLCyfdSD1jz5zQdZb

Example 13: SMSDeliveryStatus –Response

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

Example 14: deliverystatus sent to client application

URL: https://customerhost.pl/customerApplication

Headers:

Authorization: Basic 1234567890
content-type: application/json

Body:

{"uniqId":"UNIQ_ID",
"recordDate":"240621155229",
"smsRecipient":48000000000,
"validityPeriod":0,
"smscStatus":"DeliveredToTerminal",
"smscStatusDate":[2024,6,26,9,32,43,800658400]}