



Domain: SIMinfo
Product: ActivityControl
Version: v1
Access: Pre-Commercial/Commercial



api@orange.com

API allows checking of real SIM card availability information with using the paging procedure.

API details

Authorization	APIKey
HTTP Method	GET
URI request for ActivityControl	<p>https://{host}/SIMinfo/v1/ActivityControl?MSISDN=...&apikey=...</p> <p>where: For commercial access host is apim2m.orange.pl</p> <p>For pre-commercial access host is apim2m-test.orange.pl</p>
URI request for documentation	<p>swagger 2.0 format: https://{host}/SIMinfo/v1/ActivityControl/doc.json</p> <p>pdf format: https://{host}/SIMinfo/v1/ActivityControl/doc.pdf</p>
URI request to check the limit	https://{host}/SIMinfo/v1/ActivityControl/limit?apikey=...
Remarks	The API is fully functional only for subscribers registered in Polish Orange network.



API Request Parameters

The request parameters for SIM Activity Control operation are following:

Parameter	Description	Type
msisdn	The number of SIM card, 11 digits long MSISDN in international format, i.e. MSISDN=48510123456.	Integer
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 its data type:

Parameter	Description	Type
msisdn	The number of SIM card, which has been requested.	Integer
availability	Availability of SIM card: eg. <i>AVAILABLE</i> – in an idle state, <i>NOT AVAILABLE</i> – not reachable.	String
page_result	Result of paging procedure in network: <i>OK</i> - paging successful or <i>NOK</i> - paging unsuccessful.	String
age_of_location	Time counted from logon in VLR/MSS (minutes).	Integer
reason	Reason received from Orange network in case when the terminal is not available: <i>AbsentSubscriberSM</i> , <i>imsi Detach</i> .	String
information	Information about the unavailability of subscriber.	String

Response Body for checking limit of SIM Activity Control API

Parameter	Description	Type
used	Number of utilized API requests.	Integer
available	Number of remaining API Request in defined time.	Integer
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 MSISDN is required.
- 31 - Wrong parameter format - parameter MSISDN consists of 11 digits: CountryCode + 9 digits.
- 32 - Wrong parameter format - parameter MSISDN should be Polish number, beginning with Country Code = "48".

HTTP 401:

Codes:

- 40 - Missing credentials.
- 41 - Invalid credentials - the requested service needs credentials, but the provided ones 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 not defined on the list of allowed numbers.

53 - Too many requests - the application has made too many calls and has exceeded the rate 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: ActivityControl Request

<https://apim2m.orange.pl/SIMInfo/v1/ActivityControl?msisdn=48501234567&apikey=tTGPMspDeGpdGQ8PLCyfdSD1jz5zQdZb>

Example 2: ActivityControl - Response – Terminal status idle

Response Header:

Status Code: 200 OK

Response Body:

```
{
  "msisdn": "48501234567",
  "availability": "AVAILABLE",
  "status": "assumedIdle",
  "page_result": "OK",
  "age_of_location": "1"
}
```

Example 3: ActivityControl - Response – Terminal off

Response Header:

Status Code: 200 OK

Response Body:

```
{
  "msisdn": "48501234567",
  "availability": "NOT AVAILABLE",
  "reason": "imsiDetach",
  "information": "AbsentSubscriber"
}
```

Example 4: ActivityControl - Response – Subscriber in roaming

Response Header:

Status Code: 200 OK

**Response Body:**

```
{
  "msisdn": "48501234567",
  "availability": "NOT AVAILABLE",
  "reason": "MAPErrorMessageFacilityNotSup,
  neededLcsCapabilityNotSupportedInServingNode=true",
  "information": "not parsed"
}
```

*Example 5: ActivityControl - Response – Wrong number***Response Header:**

Status Code: 400 Bad Request

Response Body:

```
{
  "code": 31,
  "message": "Wrong parameter format",
  "description": "Parameter msisdn consists of 11 digits.
  CountryCode+9 digits"
}
```

*Example 6: ActivityControl – 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 7: ActivityControl – 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 8: ActivityControl – 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 9: ActivityControl – Request for documentation in json format

<https://apim2m.orange.pl/SIMInfo/v1/ActivityControl/doc.json>

Example 10: ActivityControl – Request for documentation in pdf format

<https://apim2m.orange.pl/SIMInfo/v1/ActivityControl/doc.pdf>

Example 11: ActivityControl – Request to check the limit

<https://apim2m.orange.pl/SIMInfo/v1/ActivityControl/limit?apikey=tTGPMspDeGpdGQ8PLCyfdSD1jz5zQdZb>

Example 12: ActivityControl – Check the limit -Response

```
{"used":"45","available":"55","date":"Tue Jun 30 2015"}
```