

# DH Sandbox API documentation for third party

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# 1. Documentation version history

The table below provides information on document version history:

Version	Date	Description
1.0.0	2024-12-02	Initial document version.
1.0.1	2024-12-13	In the response of the method POST /gateway/third-party/order/list: <ul style="list-style-type: none"><li>removed orderId 100027</li></ul>
	2024-12-31	In the possible response of method POST /gateway/third-party/order/list: <ul style="list-style-type: none"><li>removed orderId: 100021, 100022, 100023, 100024, 100025, 100033, 100034</li></ul> In the possible request of method GET/gateway/third-party/order/{orderId}/count <ul style="list-style-type: none"><li>removed orderId 100025 and added orderId 100026</li></ul>
	2025-01-17	Added new JSON response attribute 'usedPowerPlantTotalPower' in the following method: <ul style="list-style-type: none"><li>GET /gateway/third-party/order/{orderId}/report-obj-acr</li></ul>
	2025-01-29	In the response of method GET /gateway/third-party/order/{orderId}/report-obj-acr: <ul style="list-style-type: none"><li>added new JSON attribute 'generatingObjectType'</li><li>added new object with accountingType 'Energy sharer'</li></ul>

**Note:** Changes in the table marked in white are already deployed, while those marked in green will be deployed soon.

## 2. Definitions and abbreviations

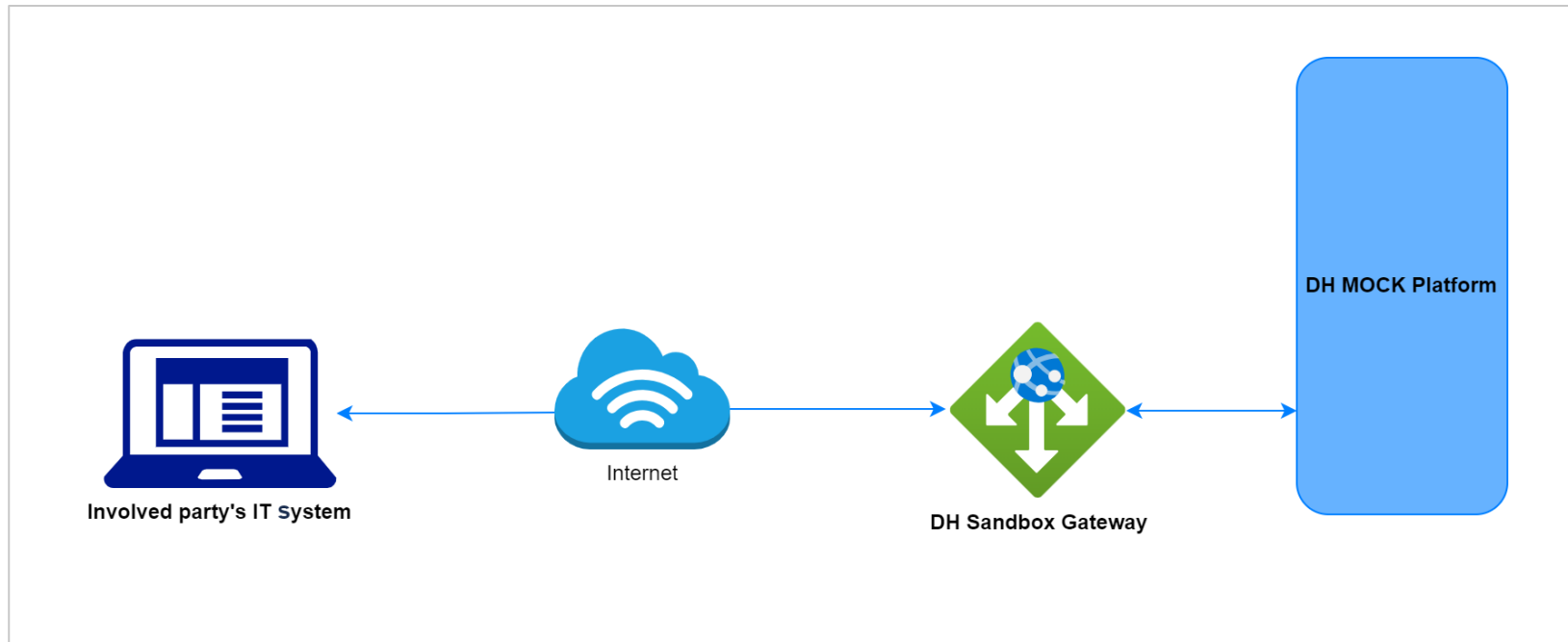
Definition / abbreviation	Description
DH Gateway	A component of the DH Platform that enables third-party IT systems to directly access the platform and achieve a higher degree of process automation
DH, DH Platform	Common Data Exchange Platform.
DSO, ESO	Energy distribution system operator – AB „Energijos skirstymo operatorius“

### 3. Preface

The Common Data Exchange Platform (hereinafter referred to as the DH Platform) Gateway is a component that enables third parties to directly access the DH Platform from within their IT systems, thereby helping them perform their activities more efficiently.

DH Gateway provides open standards-based interfaces, allowing third parties to integrate their IT systems with the DH Platform, either by themselves or with outside assistance.

This document provides the technical information on DH Gateway interfaces needed to integrate third-party information systems with the DH Platform.



## 4. Environments

There are two DH Gateway environments that the third-party might access:

- Sandbox environment
- Production environment

The DH Sandbox environment consists of a Mock API Gateway with mock requests and responses (scenarios). There is no connection to a database or any data source; all possible requests and responses are hard-coded into the mock API source code and do not have any data selection logic or rules. This data is real, depersonalized data from DSO customers. Sandbox request and response scenarios will be provided in an additional document and should be used solely for preparation to integrate with the DH production API environment or for testing purposes.

Environment	Swagger Link	WEB Interface
Sandbox	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui/index.html#/">https://dh-sandbox-api-v2.eso.lt/swagger-ui/index.html#/</a>	-

## 5. Third-party digital certifications

In both the testing and production environments of the DH Gateway component, the identity of the third-party is established using a TOKEN, which the third-party information system must provide each time the DH Gateway network service is called.

### To get started:

1. The DSO responsible person sends the JWT key (JSON Web Token) to be used with each request to the DH API.
2. To make requests to the DH Gateway API, the TOKEN submission takes place in the case of cURL.

## 6. DataHub Gateway API documentation

This section of the document provides detailed information about the DataHub API, including descriptions of API methods, the structure of request and response JSON data models, data validation rules, error handling, and other related topics.

### 6.1 Object controller

#### 6.1.1 POST /gateway/third-party/object/all/active/list

Resource description	
<b>Definition</b>	The method is designed to obtain a list of objects before assigning rights to them.
<b>Detailed description of method in API documentation (ENG)</b>	POST /gateway/third-party/object/all/active/list
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
<pre>{   "objectDataConsentSign": true,   "personCode": "11111111828" }</pre>	<pre>[   {     "personName": "PAULIUS",     "personSurname": "PAULAUSKAS",     "personCode": "*****828",     "consumerCode": "11001274",     "objectNumber": "11193351",     "objectAddress": "Gatvė g. 5, Vilnius",     "powerPlantObjectType": null,     "automationLevel": "NONE",     "contractType": "SBTS",     "supplierType": "NT",     "tariffPlan": "Standartinis",     "timeZone": "1",   } ]</pre>

	<pre> "accountingType": "CONSUMER", "usedPowerPlants": [], "objectPowers": [   {     "powerType": "LOG",     "power": 28,     "powerValidFrom": "2022-03-18",     "powerValidTo": null   },   {     "powerType": "LOG",     "power": 28,     "powerValidFrom": "2022-03-18",     "powerValidTo": null   } ], "generatingObjectGroup": {   "generatingGroup": null,   "generatingObjectPriorityGroup": null } } ] </pre>
<p><b>Possible request 2</b></p>	<p><b>Possible response data 2</b></p>
<pre> {   "objectDataConsentSign": true,   "personCode": "110778344" } </pre>	<pre> [   {     "personName": "UAB \[monés pavadinimas 5\",     "personSurname": null,     "personCode": "110778344",     "consumerCode": "11001277",     "objectNumber": "17056270",     "objectAddress": "Gatvė g. 20, Kaunas",     "powerPlantObjectType": null,     "automationLevel": "NONE", </pre>



	<pre> "contractType": "SKMS", "supplierType": "NT", "tariffPlan": "El. en. persiuntimo 1 planas II grupės vartotojams, gaunantiems elektros energiją iš žemosios įtampos elektros tinklą", "timeZone": "2", "accountingType": "CONSUMER", "usedPowerPlants": [], "objectPowers": [   {     "powerType": "LOG",     "power": 23,     "powerValidFrom": "2017-12-04",     "powerValidTo": null   } ], "generatingObjectGroup": {   "generatingGroup": null,   "generatingObjectPriorityGroup": null } } ] </pre>
<p><b>Possible request 3</b></p>	<p><b>Possible response data 3</b></p>
<pre> {   "consumerCode": null,   "objectDataConsentSign": true,   "objectNumber": "20240220",   "personCode": null } </pre>	<pre> [   {     "personName": "Vardenis",     "personSurname": "Pavardenis 24",     "personCode": "*****201",     "consumerCode": "20240223",     "objectNumber": "20240220",     "objectAddress": "Saulės g. 14, Vilnius",     "powerPlantObjectType": null,     "automationLevel": "FULL",     "contractType": "SBTS", </pre>

```
"supplierType": "NT",
"tariffPlan": "Namai",
"timeZone": "2",
"accountingType": "NET_BILLING",
"usedPowerPlants": [
  {
    "powerPlantObjectNumber": "20240223",
    "powerPlantType": "S",
    "generatingObjectType": "N",
    "generatingPower": 9,
    "accountingScheme": "NET_BILLING",
    "accountingSchemeValidFrom": "2024-01-01",
    "accountingSchemeValidTo": null,
    "accountingSchemeChangeDate": "2026-01-01",
    "payoffMethod": null,
    "payoffMethodChangeDate": null
  },
  {
    "powerPlantObjectNumber": "20240224",
    "powerPlantType": "S",
    "generatingObjectType": "N",
    "generatingPower": 5,
    "accountingScheme": "NET_BILLING",
    "accountingSchemeValidFrom": "2024-01-01",
    "accountingSchemeValidTo": null,
    "accountingSchemeChangeDate": "2026-01-01",
    "payoffMethod": null,
    "payoffMethodChangeDate": null
  }
],
"objectPowers": [
  {
    "powerType": "LOG",
    "power": 10,
```

	<pre>                 "powerValidFrom": "2023-07-01",                 "powerValidTo": null             }         ],         "generatingObjectGroup": {             "generatingGroup": null,             "generatingObjectPriorityGroup": null         }     } } ] </pre>
<p><b>Possible request 4</b></p>	<p><b>Possible response data 4</b></p>
<pre> {   "consumerCode": "20240314",   "objectDataConsentSign": true } </pre>	<pre> [   {     "personName": "Vardenis",     "personSurname": "Pavardenis024",     "personCode": "*****314",     "consumerCode": "20240314",     "objectNumber": "20240314",     "objectAddress": "Kauno g. 1, Kėdainiai",     "automationLevel": "FULL",     "contractType": "SBTS",     "supplierType": "NT",     "tariffPlan": "Standartinis",     "timeZone": "2",     "accountingType": "NET_METERING",     "usedPowerPlants": [       {         "powerPlantObjectNumber": "20240314",         "powerPlantType": "S",         "generatingObjectType": "G",         "generatingPower": 1,         "accountingScheme": "NET_METERING",         "accountingSchemeValidFrom": "2022-12-14", </pre>

```
"accountingSchemeValidTo": null,
"accountingSchemeChangeDate": "2024-01-01",
"payoffMethod": "P",
"payoffMethodChangeDate": "2024-01-01"
}
],
"objectPowers": [
{
"powerType": "LOG",
"power": 8,
"powerValidFrom": "2023-07-01",
"powerValidTo": null
},
{
"powerType": "LGG",
"power": 5,
"powerValidFrom": "2023-07-01",
"powerValidTo": null
}
],
"generatingObjectGroup": {
"generatingGroup": 1,
"generatingObjectPriorityGroup": 2
},
"powerPlantObjectType": "S"
},
{
"personName": "Vardenis",
"personSurname": "Pavardenis024",
"personCode": "*****314",
"consumerCode": "20240314",
"objectNumber": "20240315",
"objectAddress": "Vakarių g. 3, Kaunas",
"automationLevel": "FULL",
```

```
"contractType": "SBTS",
"supplierType": "NT",
"tariffPlan": "Standartinis",
"timeZone": "1",
"accountingType": "NET_METERING",
"usedPowerPlants": [
  {
    "powerPlantObjectNumber": "20240314",
    "powerPlantType": "S",
    "generatingObjectType": "N",
    "generatingPower": 4,
    "accountingScheme": "NET_METERING",
    "accountingSchemeValidFrom": "2023-09-01",
    "accountingSchemeValidTo": null,
    "accountingSchemeChangeDate": "2023-09-01",
    "payoffMethod": "P",
    "payoffMethodChangeDate": "2023-09-01"
  }
],
"objectPowers": [
  {
    "powerType": "LOG",
    "power": 5,
    "powerValidFrom": "2023-07-01",
    "powerValidTo": null
  }
],
"generatingObjectGroup": {
  "generatingGroup": 1,
  "generatingObjectPriorityGroup": 1
},
"powerPlantObjectType": null
}
]
```

## 6.2 Access right controller

### 6.2.1 POST /gateway/third-party/access-right/list

Resource description	
Definition	The method to obtain information and a list of granted rights.
Detailed description of method in API documentation (ENG)	POST /gateway/third-party/access-right/list
Request URL	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
<pre>{   "accessRightId": 100033,   "personCode": null,   "consumerCode": "20240226",   "objectNumber": "20240226",   "objectAddressSearch": null,   "powerPlantObjectType": null,   "accessRightValidFrom": null,   "accessRightValidTo": null,   "accessRightSource": null,   "generatingObjectType": "N",   "contractType": "SBTS",   "contractModel": "BSS",   "supplierType": null,   "accountingType": "NET_BILLING",   "powerPlantType": "S",</pre>	<pre>[   {     "accessRightId": 100033,     "accessRightValidFrom": "2024-10-07T15:17:07",     "accessRightValidTo": "2028-10-07T15:17:07",     "daysLeft": <b>[the number of days remaining until the right expires]</b>,     "accessRightSource": "DATAHUB",     "userName": "PUBLIC",     "objectNumber": "20240226",     "objectAddress": "Saulės g. 26, Klaipėda",     "powerPlantObjectType": null,     "contractModel": "BSS",     "supplierType": "GT",     "tariffPlan": "Namai",     "timeZone": "2",     "accountingType": "NET_BILLING",</pre>

```
"userNameSearch": null
}
```

```
"usedPowerPlants": [
  {
    "powerPlantObjectNumber": "20240227",
    "powerPlantType": "S",
    "generatingObjectType": "N",
    "accountingScheme": "NET_BILLING",
    "payoffMethod": null,
    "generatingPower": 9
  },
  {
    "powerPlantObjectNumber": "20240228",
    "powerPlantType": "S",
    "generatingObjectType": "N",
    "accountingScheme": "NET_BILLING",
    "payoffMethod": null,
    "generatingPower": 5
  }
],
"automationLevel": "FULL",
"contractType": "SBTS",
"personName": "Vardenis",
"personSurname": "Pavardenis",
"personCode": "*****444",
"consumerCode": "20240226",
"accessRightPhoneNo": null,
"accessRightEmailAddress": "Vardenis.Pavardenis26@test.it",
"accessRightNote": null
}
]
```

Possible request 2

Possible response data 2

```
{
  "accessRightId": 100035,
  "personCode": null,
  "consumerCode": "20240314",
  "objectNumber": "20240314",
  "objectAddressSearch": null,
  "powerPlantObjectType": "S",
  "accessRightValidFrom": null,
  "accessRightValidTo": null,
  "accessRightSource": null,
  "generatingObjectType": "G",
  "contractType": "SBTS",
  "contractModel": "BSS",
  "supplierType": "NT",
  "accountingType": "NET_METERING",
  "powerPlantType": null,
  "userNameSearch": null
}
```

```
[
  {
    "accessRightId": 100035,
    "accessRightValidFrom": "2024-10-07T15:17:07",
    "accessRightValidTo": "2028-10-07T15:17:07",
    "daysLeft": [the number of days remaining until the right expires],
    "accessRightSource": "DATAHUB",
    "userName": "PUBLIC",
    "objectNumber": "20240314",
    "objectAddress": "Kauno g. 1, Kėdainiai",
    "powerPlantObjectType": "S",
    "contractModel": "BSS",
    "supplierType": "NT",
    "tariffPlan": "Standartinis",
    "timeZone": "2",
    "accountingType": "NET_METERING",
    "usedPowerPlants": [
      {
        "powerPlantObjectNumber": "20240314",
        "powerPlantType": "S",
        "generatingObjectType": "G",
        "accountingScheme": "NET_METERING",
        "payoffMethod": "P",
        "generatingPower": 1,
      }
    ],
    "automationLevel": "FULL",
    "contractType": "SBTS",
    "personName": "Vardenis",
    "personSurname": "Pavardenis024",
    "personCode": "*****314",
  }
]
```



	<pre> "consumerCode": "20240314", "accessRightPhoneNo": "+37063333333", "accessRightEmailAddress": "vardenis.pavardenis024@a.lt", "accessRightNote": null } ] </pre>
--	--

## 6.2.2 POST /gateway/third-party/access-right

Resource description	
<b>Definition</b>	The method is for assigning a right to an object to a third party. Using this API method, a third-party can access a customer's historical data for client objects. Once granted, the third-party can retrieve this data for a specified period
<b>Detailed description of method in API documentation (ENG)</b>	POST /gateway/third-party/access-right
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
<pre> {   "accessRightInformation": [     {       "accessRightEmailAddress": "a@a.lt",       "accessRightNote": "pastaba",       "accessRightPhoneNo": "+37061234567",       "accessRightValidTo": "[Any day into the future]",       "objectNumber": "44444444"     }   ] }, </pre>	<pre> [   {     "accessRightId": [a new Id is generated]   } ] </pre>

```
"consentSign": true,
"personBirthDate": "2022-01-01",
"personCode": "11111111111",
"personName": "Vardas1",
"personSurname": "Pavardė1"
}
```

### Possible request 2

```
{
"accessRightInformation": [
  {
    "accessRightEmailAddress": "b@b.lt",
    "accessRightNote": "pastaba2",
    "accessRightPhoneNo": "+37062222222",
    "accessRightValidTo": "[Any day into the future]",
    "objectNumber": "31313131"
  }
],
"consentSign": true,
"personBirthDate": null,
"personCode": "12345678123",
"personName": "Vardas",
"personSurname": "Pavardė"
}
```

### Possible response data 2

```
[
  {
    "accessRightId": [a new Id is generated]
  }
]
```

### 6.2.3 POST /gateway/third-party/access-right/{accessRightId}/cancel

Resource description	
Definition	The third-party can revoke the rights granted to them. These rights were either granted by the third-party with the client's permission or directly by the client through ESO-S. The third-party can only revoke the rights they granted themselves
Detailed description of method in API documentation (ENG)	POST /gateway/third-party/access-right/{accessRightId}/cancel
Request URL	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
<pre>[   {     "accessRightId": 100033   } ]</pre>	If the request is successful, an <b>HTTP 200</b> response code is returned.

## 6.3 Order controller

### 6.3.1 POST /gateway/third-party/order/list

Resource description	
Definition	Method is designed to obtain the list of the ordered reports

<b>Detailed description of method in API documentation (ENG)</b>	POST /gateway/third-party/order/list
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request	Possible response data
<pre>{   "orderId": null,   "orderTypes": null,   "submittedDateFrom": "2022-03-01T00:00:00",   "submittedDateTo": null,   "dateFrom": null,   "dateTo": null,   "latestStatuses": [     "IV"   ],   "auto": false,   "userNameSearch": null,   "orderParametersSearch": null }</pre>	<pre>[   {     "orderId": 100020,     "orderType": "data-hr-15min-obj-lvl-acr",     "submittedDate": "2022-03-01T11:00:00",     "dateFrom": "2021-03-01",     "dateTo": "2022-02-28",     "orderParameters": "{\"consumptionCategory\":[\"P+\", \"P-\", \"Q+\", \"Q-\"], \"objectNumbers\":[\"55555555\"], \"interval\": \"HOUR\"}",     "latestStatus": "IV",     "statusDate": "2022-01-01T11:00:00",     "expireDate": "2122-03-02T11:01:00",     "auto": false,     "userName": "PUBLIC"   },   {     "orderId": 100026,     "orderType": "data-hr-15min-mtr-lvl-acr",     "submittedDate": "2022-03-01T11:00:00",     "dateFrom": "2021-03-01",     "dateTo": "2022-02-28",     "orderParameters": "{\"consumptionCategory\":[\"P+\", \"P-\", \"Q+\", \"Q-\"], \"objectNumbers\":[\"44444444\"], \"interval\": \"HOUR\"}",   } ]</pre>

```
"latestStatus": "IV",
"statusDate": "2022-01-01T11:00:00",
"expireDate": "2122-03-02T11:01:00",
"auto": false,
"userName": "PUBLIC"
},
{
"orderId": 100028,
"orderType": "data-sum-obj-lvl-acr",
"submittedDate": "2022-03-01T11:00:00",
"dateFrom": "2021-03-01",
"dateTo": "2022-02-28",
"orderParameters": "{\"objectNumbers\":[\"99999999\"]}",
"latestStatus": "IV",
"statusDate": "2022-01-01T11:00:00",
"expireDate": "2122-03-02T11:01:00",
"auto": false,
"userName": "PUBLIC"
},
{
"orderId": 100061,
"orderType": "data-hr-15min-obj-lvl-acr",
"submittedDate": "2024-03-07T11:00:00",
"dateFrom": "2024-02-20",
"dateTo": "2024-02-20",
"orderParameters": "{\"consumptionCategories\":[\"P+\", \"P-\", \"\", \"objectNumbers\":[\"20240220\"], \"interval\": \"HOURL\", \"netBilling\": {\"intervalData\": true, \"intervalDataDetailed\": false}}",
"latestStatus": "IV",
"statusDate": "2024-03-07T12:01:00",
"expireDate": "2122-03-07T10:01:00",
"auto": false,
"userName": "PUBLIC"
},
```

```
{
  "orderId": 100062,
  "orderType": "data-hr-15min-obj-lvl-acr",
  "submittedDate": "2024-03-07T11:00:00",
  "dateFrom": "2024-02-20",
  "dateTo": "2024-02-20",
  "orderParameters": "{\"consumptionCategories\":[\"P+\",\"P-\"],\"objectNumbers\":[\"20240220\"],\"interval\":\"HOURL\",\"netBilling\":{\"intervalData\":{\"intervalDataDetailed\":true,\"intervalDataDetailed\":true}}\",
  \"latestStatus\": \"IV\",
  \"statusDate\": \"2024-03-07T12:01:00\",
  \"expireDate\": \"2122-03-07T10:01:00\",
  \"auto\": false,
  \"userName\": \"PUBLIC\"
},
{
  \"orderId\": 100089,
  \"orderType\": \"report-obj-acr\",
  \"submittedDate\": \"2024-03-21T08:46:04.676\",
  \"dateFrom\": \"2024-02-01\",
  \"dateTo\": \"2024-02-29\",
  \"orderParameters\":
  \"{\"consumerCode\":null,\"personCode\":null,\"objectNumbers\":[\"20240220\",\"14725836\",\"20240314\",\"20240315\"],\"contractType\":null}\",
  \"latestStatus\": \"IV\",
  \"statusDate\": \"2024-03-21T08:46:04.982\",
  \"expireDate\": \"2124-03-21T08:46:04.982\",
  \"auto\": false,
  \"userName\": \"PUBLIC\"
}
]
```

### 6.3.2 GET/gateway/third-party/order/{orderId}/count

Resource description	
<b>Definition</b>	This method returns the count (number) of items a third-party will receive in an ordered report. Since reports can contain more than one item, the result is a list. This method is useful when the supplier needs to split data into several portions. The response should be used in the GET methods of reports, where the third-party can provide method parameters information
<b>Detailed description of method in API documentation (ENG)</b>	GET/gateway/third-party/order/{orderId}/count
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request	Possible response
<pre>{   "orderId": "100026" }</pre>	<pre>{   "count": 1 }</pre>

### 6.3.3 POST /gateway/third-party/order/data-hr-15min-mtr-lvl-acr

Resource description	
Definition	This method is designed to order data for automated quantities at the meter level, based on the granted rights.
Detailed description of method in API documentation (ENG)	POST/gateway/third-party/order/data-hr-15min-mtr-lvl-acr
Request URL	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
<pre>{   "dateFrom": "2022-03-01",   "dateTo": "2023-02-28",   "consumptionCategories": ["P+", "P-", "Q+", "Q-"],   "objectNumbers":["30231031"],   "interval":"HOOR" }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>
Possible request 2	Possible response 2
<pre>{   "dateFrom": "2022-03-01",   "dateTo": "2023-02-28",   "consumptionCategories": ["P+"],   "objectNumbers":["33333333"],   "interval":"HOOR" }</pre>	<pre>{   "orderId":[a new Id is generated] }</pre>
Possible request 3	Possible response 3



<pre>{   "dateFrom": "2022-03-01",   "dateTo": "2023-02-28",   "consumptionCategories": ["P+", "P-", "Q+", "Q-"],   "objectNumbers":["44444444"],   "interval":"HOOR" }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>
<b>Possible request 4</b>	<b>Possible response 4</b>
<pre>{   "dateFrom": "2022-10-01",   "dateTo": "2022-10-31",   "consumptionCategories": ["P+", "P-", "Q+", "Q-"],   "objectNumbers":["20240220"],   "interval":"QUARTER" }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>

### 6.3.4 GET /gateway/third-party/order/{orderId}/data-hr-15min-mtr-lvl-acr

Resource description	
<b>Definition</b>	The method is designed to receive the order report "Automated quantities at the meter level based on granted rights."
<b>Detailed description of method in API documentation (ENG)</b>	GET /gateway/third-party/order/{orderId}/data-hr-15min-mtr-lvl-acr
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1	Possible response data 1 (continuation)
<pre>{   "orderId": "100026" }</pre>	<pre>[   {     "personCode": "123456789",     "personName": "Jmonés pavadinimas",     "personSurname": null,     "objectId": 4444444,     "objectNumber": "44444444",     "meters": [       {         "meterNumber": "4444441",         "categories": [           {             "consumptionCategory": "P+",             "consumptions": [               {                 "consumptionTime": "2021-03-01T00:00:00+02:00",                 "amount": 63.7368,                 "valueType": "VAL"               },               {                 "consumptionTime": "2021-03-01T01:00:00+02:00",                 "amount": 63.1856,                 "valueType": "VAL"               },               {                 "consumptionTime": "2021-03-01T02:00:00+02:00",                 "amount": 48.512,                 "valueType": "VAL"               },               {                 "consumptionTime": "2021-03-01T03:00:00+02:00",                 "amount": 65.6848,                 "valueType": "VAL"               }             ]           }         ]       }     ]   } ]</pre>	<pre>{   "meterNumber": "4444442",   "categories": [     {       "consumptionCategory": "P+",       "consumptions": [         {           "consumptionTime": "2021-03-01T00:00:00+02:00",           "amount": 16.5168,           "valueType": "VAL"         },         {           "consumptionTime": "2021-03-01T01:00:00+02:00",           "amount": 16.6416,           "valueType": "VAL"         },         {           "consumptionTime": "2021-03-01T02:00:00+02:00",           "amount": 17.312,           "valueType": "VAL"         },         {           "consumptionTime": "2021-03-01T03:00:00+02:00",           "amount": 17.8048,           "valueType": "VAL"         },         {           "consumptionTime": "2021-03-01T04:00:00+02:00",           "amount": 17.9736,           "valueType": "VAL"         }       ]     }   ] }</pre>

```
    },
    {
      "consumptionTime": "2021-03-01T04:00:00+02:00",
      "amount": 66.1984,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T05:00:00+02:00",
      "amount": 68.4992,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T06:00:00+02:00",
      "amount": 67.1008,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T07:00:00+02:00",
      "amount": 68.2184,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T08:00:00+02:00",
      "amount": 68.6272,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T09:00:00+02:00",
      "amount": 47.788,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T10:00:00+02:00",
      "amount": 61.5456,
```

```
      "consumptionTime": "2021-03-01T05:00:00+02:00",
      "amount": 18.7272,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T06:00:00+02:00",
      "amount": 21.1096,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T07:00:00+02:00",
      "amount": 21.7192,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T08:00:00+02:00",
      "amount": 23.8112,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T09:00:00+02:00",
      "amount": 25.244,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T10:00:00+02:00",
      "amount": 25.8432,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T11:00:00+02:00",
      "amount": 27.2144,
      "valueType": "VAL"
    },
  },
```

	<pre> "valueType": "VAL" }, { "consumptionTime": "2021-03-01T11:00:00+02:00", "amount": 57.7384, "valueType": "VAL" }, { "consumptionTime": "2021-03-01T12:00:00+02:00", "amount": 48.428, "valueType": "VAL" }, { "consumptionTime": "2021-03-01T13:00:00+02:00", "amount": 52.4808, "valueType": "VAL" }, { "consumptionTime": "2021-03-01T14:00:00+02:00", "amount": 55.08, "valueType": "VAL" }, { "consumptionTime": "2021-03-01T15:00:00+02:00", "amount": 41.2864, "valueType": "VAL" }, { "consumptionTime": "2021-03-01T16:00:00+02:00", "amount": 45.2296, "valueType": "VAL" }, { "consumptionTime": "2021-03-01T17:00:00+02:00", </pre>	<pre> { "consumptionTime": "2021-03-01T12:00:00+02:00", "amount": 26.2008, "valueType": "VAL" }, { "consumptionTime": "2021-03-01T13:00:00+02:00", "amount": 27.6296, "valueType": "VAL" }, { "consumptionTime": "2021-03-01T14:00:00+02:00", "amount": 28.3536, "valueType": "VAL" }, { "consumptionTime": "2021-03-01T15:00:00+02:00", "amount": 26.0624, "valueType": "VAL" }, { "consumptionTime": "2021-03-01T16:00:00+02:00", "amount": 23.9752, "valueType": "VAL" }, { "consumptionTime": "2021-03-01T17:00:00+02:00", "amount": 23.1344, "valueType": "VAL" }, { "consumptionTime": "2021-03-01T18:00:00+02:00", "amount": 23.2056, "valueType": "VAL" } </pre>
--	---	--

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    "amount": 50.9696,
    "valueType": "VAL"
  },
  {
    "consumptionTime": "2021-03-01T18:00:00+02:00",
    "amount": 53.5232,
    "valueType": "VAL"
  },
  {
    "consumptionTime": "2021-03-01T19:00:00+02:00",
    "amount": 71.6352,
    "valueType": "VAL"
  },
  {
    "consumptionTime": "2021-03-01T20:00:00+02:00",
    "amount": 66.1448,
    "valueType": "VAL"
  },
  {
    "consumptionTime": "2021-03-01T21:00:00+02:00",
    "amount": 57.8832,
    "valueType": "VAL"
  },
  {
    "consumptionTime": "2021-03-01T22:00:00+02:00",
    "amount": 52.8184,
    "valueType": "VAL"
  },
  {
    "consumptionTime": "2021-03-01T23:00:00+02:00",
    "amount": 64.2088,
    "valueType": "VAL"
  }
]
},
```

```
  },
  {
    "consumptionTime": "2021-03-01T19:00:00+02:00",
    "amount": 21.6968,
    "valueType": "VAL"
  },
  {
    "consumptionTime": "2021-03-01T20:00:00+02:00",
    "amount": 18.008,
    "valueType": "VAL"
  },
  {
    "consumptionTime": "2021-03-01T21:00:00+02:00",
    "amount": 16.7584,
    "valueType": "VAL"
  },
  {
    "consumptionTime": "2021-03-01T22:00:00+02:00",
    "amount": 16.2664,
    "valueType": "VAL"
  },
  {
    "consumptionTime": "2021-03-01T23:00:00+02:00",
    "amount": 15.5056,
    "valueType": "VAL"
  }
]
},
{
  "consumptionCategory": "P-",
  "consumptions": [
    {
      "consumptionTime": "2021-03-01T00:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    }
  ]
}
```

```
{
  "consumptionCategory": "P-",
  "consumptions": [
    {
      "consumptionTime": "2021-03-01T00:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T01:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T02:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T03:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T04:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T05:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    }
  ]
}
```

```
},
{
  "consumptionTime": "2021-03-01T01:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T02:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T03:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T04:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T05:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T06:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T07:00:00+02:00",
  "amount": 0,

```

```
"consumptionTime": "2021-03-01T06:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T07:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T08:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T09:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T10:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T11:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T12:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
```

```
"valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T08:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T09:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T10:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T11:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T12:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T13:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T14:00:00+02:00",
```

```
{
  "consumptionTime": "2021-03-01T13:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T14:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T15:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T16:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T17:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T18:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T19:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
}
```

```
"amount": 0,
"valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T15:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T16:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T17:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T18:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T19:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
  "consumptionTime": "2021-03-01T20:00:00+02:00",
  "amount": 0,
  "valueType": "VAL"
},
{
```



```
    },
    {
      "consumptionTime": "2021-03-01T20:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T21:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T22:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T23:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    }
  ]
},
```

```
      "consumptionTime": "2021-03-01T21:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T22:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    },
    {
      "consumptionTime": "2021-03-01T23:00:00+02:00",
      "amount": 0,
      "valueType": "VAL"
    }
  ]
}
}
}
}
}
```

### 6.3.5 POST /gateway/third-party/order/data-hr-15min-obj-lvl-acr

Resource description	
<b>Definition</b>	The method is designed for ordering data for automated quantities at the object level according to the rights granted.
<b>Detailed description of method in API documentation (ENG)</b>	POST/gateway/third-party/order/data-hr-15min-obj-lvl-acr
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
<pre>{   "dateFrom": "2022-03-01",   "dateTo": "2023-02-28",   "consumptionCategories": ["P+", "P-", "Q+", "Q-"],   "objectNumbers":["55555555"],   "interval":"HOURL" }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>
Possible request 2	Possible response data 2
<pre>{   "dateFrom": "2022-03-01",   "dateTo": "2023-02-28",   "consumptionCategories": ["P+", "P-", "Q+", "Q-"],   "objectNumbers":["66666666"],   "interval":"HOURL" }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>
Possible request 3	Possible response data 3

<pre>{   "dateFrom": "2022-03-01",   "dateTo": "2023-02-28",   "consumptionCategories": ["P+"],   "objectNumbers":["77777777"],   "interval":"HOOR" }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>
<p><b>Possible request 4</b></p>	<p><b>Possible response data 4</b></p>
<pre>{   "dateFrom": "2022-03-01",   "dateTo": "2023-02-28",   "consumptionCategories": ["P+", "P-", "Q+", "Q-"],   "objectNumbers":["88888888"],   "interval":"HOOR" }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>
<p><b>Possible request 5</b></p>	<p><b>Possible response data 5</b></p>
<pre>{   "dateFrom": "2022-10-01",   "dateTo": "2022-10-31",   "consumptionCategories": ["P+", "P-", "Q+", "Q-"],   "objectNumbers":["88888888"],   "interval":"QUARTER" }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>
<p><b>Possible request 6</b></p>	<p><b>Possible response data 6</b></p>
<pre>{   "consumptionCategories": [     "P+",     "P-"   ],   "dateFrom": "2024-02-20",   "dateTo": "2024-02-20",   "interval": "HOOR",   "objectNumbers": [</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>

<pre>"20240220" ], "netBilling": {   "intervalData": true,   "intervalDataDetailed": false } }</pre>	
<b>Possible request 7</b>	<b>Possible response data 7</b>
<pre>{   "consumptionCategories": [     "P+",     "P-"   ],   "dateFrom": "2024-02-20",   "dateTo": "2024-02-20",   "interval": "HOUR",   "objectNumbers": [     "20240220"   ],   "netBilling": {     "intervalData": true,     "intervalDataDetailed": true   } }</pre>	<pre>{   "orderId": <b>[a new Id is generated]</b> }</pre>

### 6.3.6 GET /gateway/third-party/order/{orderId}/data-hr-15min-obj-lvl-acr

Resource description	
<b>Definition</b>	The method is designed to receive the order report "Automated quantities at the object level according to the granted rights".
<b>Detailed description of method in API documentation (ENG)</b>	GET /gateway/third-party/order/{orderId}/data-hr-15min-obj-lvl-acr
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1	Possible response data 1 (continuation)
<pre>{   "orderId": "100020" }</pre>	<pre>[   {     "personCode": "5555555555",     "personName": "Vardas",     "personSurname": "Pavardė",     "objectId": 5555555,     "objectNumber": "5555555",     "consumptionCategories": [       {         "consumptionCategory": "P+",         "powerPlantObjectNumber": null,         "powerPlantType": null,         "consumptions": [           {             "consumptionTime": "2021-03-01T00:00:00+02:00",             "amount": 28.96,             "valueType": "VAL",             "usageType": null,             "graphVersion": null           }         ]       }     ]   } ]</pre>	<pre>{   "consumptionCategory": "P-",   "powerPlantObjectNumber": null,   "powerPlantType": null,   "consumptions": [     {       "consumptionTime": "2021-03-01T00:00:00+02:00",       "amount": 0,       "valueType": "VAL",       "usageType": null,       "graphVersion": null     },     {       "consumptionTime": "2021-03-01T01:00:00+02:00",       "amount": 0,       "valueType": "VAL",       "usageType": null,       "graphVersion": null     }   ] }</pre>

	<pre>}, {   "consumptionTime": "2021-03-01T01:00:00+02:00",   "amount": 28.48,   "valueType": "VAL",   "usageType": null,   "graphVersion": null }, {   "consumptionTime": "2021-03-01T02:00:00+02:00",   "amount": 28.16,   "valueType": "VAL",   "usageType": null,   "graphVersion": null }, {   "consumptionTime": "2021-03-01T03:00:00+02:00",   "amount": 27.68,   "valueType": "VAL",   "usageType": null,   "graphVersion": null }, {   "consumptionTime": "2021-03-01T04:00:00+02:00",   "amount": 27.52,   "valueType": "VAL",   "usageType": null,   "graphVersion": null }, {   "consumptionTime": "2021-03-01T05:00:00+02:00",   "amount": 37.92,   "valueType": "VAL",   "usageType": null,   "graphVersion": null }, {   "consumptionTime": "2021-03-01T06:00:00+02:00",   "amount": 73.6,   "valueType": "VAL",   "usageType": null,</pre>	<pre>{   "consumptionTime": "2021-03-01T02:00:00+02:00",   "amount": 0,   "valueType": "VAL",   "usageType": null,   "graphVersion": null }, {   "consumptionTime": "2021-03-01T03:00:00+02:00",   "amount": 0,   "valueType": "VAL",   "usageType": null,   "graphVersion": null }, {   "consumptionTime": "2021-03-01T04:00:00+02:00",   "amount": 0,   "valueType": "VAL",   "usageType": null,   "graphVersion": null }, {   "consumptionTime": "2021-03-01T05:00:00+02:00",   "amount": 0,   "valueType": "VAL",   "usageType": null,   "graphVersion": null }, {   "consumptionTime": "2021-03-01T06:00:00+02:00",   "amount": 0,   "valueType": "VAL",   "usageType": null,   "graphVersion": null }, {   "consumptionTime": "2021-03-01T07:00:00+02:00",   "amount": 0,   "valueType": "VAL",   "usageType": null,   "graphVersion": null</pre>
--	--	---

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Possible request 2	Possible response data 2	Possible response data 2 (continuation)
<p>URL parameters:</p> <ul style="list-style-type: none"> <li>• orderId - 100061</li> </ul> <p><b>Note:</b> In the order shows the "Net billing" object's 20240220 data.</p>	<pre>[   {     "personCode": "20240223201",     "personName": "Vardenis",     "personSurname": "Pavardenis 24",     "objectId": 202024,     "objectNumber": "20240220",     "consumptionCategories": [       {         "consumptionCategory": "P+",         "powerPlantObjectNumber": null,         "powerPlantType": null,         "consumptions": [           {             "consumptionTime": "2024-02-20T00:00:00+02:00",             "amount": 3.9904,             "valueType": "VAL",             "usageType": "B",             "graphVersion": "2024-03-06T09:00:00+02:00"           },           {             "consumptionTime": "2024-02-20T01:00:00+02:00",             "amount": 3.9824,             "valueType": "VAL",             "usageType": "B",             "graphVersion": "2024-03-06T09:00:00+02:00"           },           {             "consumptionTime": "2024-02-20T02:00:00+02:00",             "amount": 4.0208,             "valueType": "VAL",             "usageType": "B",             "graphVersion": "2024-03-06T09:00:00+02:00"           }         ]       }     ]   } ]</pre>	<pre>{   "consumptionCategory": "P-",   "powerPlantObjectNumber": null,   "powerPlantType": null,   "consumptions": [     {       "consumptionTime": "2024-02-20T00:00:00+02:00",       "amount": 1.8,       "valueType": "VAL",       "usageType": "B",       "graphVersion": "2024-03-06T09:00:00+02:00"     },     {       "consumptionTime": "2024-02-20T01:00:00+02:00",       "amount": 2.4,       "valueType": "VAL",       "usageType": "B",       "graphVersion": "2024-03-06T09:00:00+02:00"     },     {       "consumptionTime": "2024-02-20T02:00:00+02:00",       "amount": 4.205,       "valueType": "VAL",       "usageType": "B",       "graphVersion": "2024-03-06T09:00:00+02:00"     },     {       "consumptionTime": "2024-02-20T03:00:00+02:00",       "amount": 2,       "valueType": "VAL",       "usageType": "B",       "graphVersion": "2024-03-06T09:00:00+02:00"     }   ] }</pre>

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},
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},
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}
```

	<pre> }, {   "consumptionTime": "2024-02-20T23:00:00+02:00",   "amount": 8.0912,   "valueType": "VAL",   "usageType": "B",   "graphVersion": "2024-03-06T09:00:00+02:00" } ] }, </pre>	<pre> ] } ] } ] </pre>
<b>Possible request 3</b>	<b>Possible response data 3</b>	<b>Possible response data 3 (continuation)</b>
<p>URL parameters:</p> <ul style="list-style-type: none"> <li>• orderId – 100062</li> </ul> <p><b>Note:</b> In the order shows the "Net billing" object's 20240220 data.</p>	<pre> [ {   "personCode": "20240223201",   "personName": "Vardenis",   "personSurname": "Pavardenis 24",   "objectId": 202024,   "objectNumber": "20240220",   "consumptionCategories": [     {       "consumptionCategory": "P+",       "powerPlantObjectNumber": null,       "powerPlantType": null,       "consumptions": [         {           "consumptionTime": "2024-02-20T00:00:00+02:00",           "amount": 3.9904,           "valueType": "VAL",           "usageType": "B",           "graphVersion": "2024-03-06T09:00:00+02:00"         },         {           "consumptionTime": "2024-02-20T01:00:00+02:00",           "amount": 3.9824, </pre>	<pre> {   "consumptionTime": "2024-02-20T11:00:00+02:00",   "amount": 1.2,   "valueType": "VAL",   "usageType": "B",   "graphVersion": "2024-03-06T09:00:00+02:00" }, {   "consumptionTime": "2024-02-20T12:00:00+02:00",   "amount": 1.5,   "valueType": "VAL",   "usageType": "B",   "graphVersion": "2024-03-06T09:00:00+02:00" }, {   "consumptionTime": "2024-02-20T13:00:00+02:00",   "amount": 1.5,   "valueType": "VAL",   "usageType": "B",   "graphVersion": "2024-03-06T09:00:00+02:00" }, {   "consumptionTime": "2024-02-20T14:00:00+02:00", </pre>

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"usageType": "B",
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},
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"valueType": "VAL",
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},
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"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T19:00:00+02:00",
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```
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
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},
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{
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```
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"usageType": "B",
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"amount": 3.21,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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"amount": 3,
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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"amount": 3.5,
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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"amount": 3.5,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
}
]
},
```

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"graphVersion": "2024-03-06T09:00:00+02:00"
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"amount": 0.2368,
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"graphVersion": "2024-03-06T09:00:00+02:00"
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"powerPlantType": "S",
"consumptions": [
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"amount": 0.8,
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
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"graphVersion": "2024-03-06T09:00:00+02:00"
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
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{
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"amount": 4.0528,
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"usageType": "B",
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"amount": 6.0688,
```

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},
{
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T07:00:00+02:00",
"amount": 3,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T08:00:00+02:00",
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T09:00:00+02:00",
```

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"graphVersion": "2024-03-06T09:00:00+02:00"
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"amount": 8.0912,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
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]
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"powerPlantType": "S",
"consumptions": [
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"amount": 2,
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"consumptionTime": "2024-02-20T10:00:00+02:00",
"amount": 2.4,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
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{
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"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T13:00:00+02:00",
"amount": 3,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T14:00:00+02:00",
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},
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"valueType": "VAL",
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"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T03:00:00+02:00",
"amount": 1,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T04:00:00+02:00",
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"graphVersion": "2024-03-06T09:00:00+02:00"
},
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"amount": 3,
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T06:00:00+02:00",
"amount": 1,
```

```
"amount": 4.3,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T15:00:00+02:00",
"amount": 3.1,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
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"amount": 6,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T18:00:00+02:00",
"amount": 2,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T19:00:00+02:00",
```

```
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T07:00:00+02:00",
"amount": 2.5,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T08:00:00+02:00",
"amount": 1,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T09:00:00+02:00",
"amount": 2,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T10:00:00+02:00",
"amount": 2.3,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
}
```

```
"amount": 2.4,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T20:00:00+02:00",
"amount": 1,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T21:00:00+02:00",
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"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T22:00:00+02:00",
"amount": 0.5,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
},
{
"consumptionTime": "2024-02-20T23:00:00+02:00",
"amount": 4,
"valueType": "VAL",
"usageType": "B",
"graphVersion": "2024-03-06T09:00:00+02:00"
}
}
]
```

		<pre> ] } ]</pre>
--	--	-------------------

### 6.3.7 POST /gateway/third-party/order/report-obj-acr

Resource description	
<b>Definition</b>	This method is used to order a report of objects based on the granted rights
<b>Detailed description of method in API documentation (ENG)</b>	POST/gateway/third-party/order/report-obj-acr
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response 1
<pre> {   "objectNumbers": [     "11111111"   ] }</pre>	<pre> {   "orderId": [a new Id is generated] }</pre>

### 6.3.8 GET /gateway/third-party/order/{orderId}/report-obj-acr

Resource description	
<b>Definition</b>	The method is used to retrieve the order report “Report of Objects by Granted Rights”.
<b>Detailed description of method in API documentation (ENG)</b>	GET /gateway/third-party/order/{orderId}/report-obj-acr
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response 1	Possible response data 1 (continuation)
URL parameters: <ul style="list-style-type: none"> <li>orderId - 100089</li> </ul>	<pre>[   {     "consumerCode": "20240223",     "personCode": "99201201201",     "personName": "Vardenis",     "personSurname": "Pavardenis 24",     "objectNumber": "20240220",     "objectName": "NAMAS",     "objectType": "Namas",     "objectAddress": "Saulės g. 14, Vilnius",     "contractType": "SBTS",     "contractModel": "BSS",     "permissiblePowerConsumption": 15,     "permissiblePowerGeneration": null,     "usedPowerPlantTotalPower": 14,     "installedGeneratingPower": null,     "powerPlantObject": {       "powerPlantValidFrom": null,</pre>	<pre>{   "consumerCode": "20240314",   "personCode": "20240314314",   "personName": "Vardenis",   "personSurname": "Pavardenis024",   "objectNumber": "20240314",   "objectName": "GYVENAMAS NAMAS",   "objectType": "Namas",   "objectAddress": "Kauno g. 1, Kėdainiai",   "contractType": "SBTS",   "contractModel": "BSS",   "permissiblePowerConsumption": 8,   "permissiblePowerGeneration": 5,   "usedPowerPlantTotalPower": 5,   "installedGeneratingPower": 5.4,   "powerPlantObject": {     "powerPlantValidFrom": "2022-12-14",</pre>



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"powerPlantValidTo": null,
"powerPlantObjectType": null
},
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"autoMetersAmount": 1,
"smartMeterInstallationDate": "2023-02-01",
"supplyState": "T",
"supplyStateFrom": "2003-02-03",
"supplyStateTo": null,
"consumptionState": "V",
"consumptionStateFrom": "2003-02-03",
"consumptionStateTo": null,
"productsAmount": 2,
"scalesAmount": 2,
"technologicalCosts": false,
"accountingType": "NET_BILLING",
"generatingGroup": null,
"generatingObjectPriorityGroup": null,
"generatingObjectType": "N"
"powerPlantObjects": [
{
"powerPlantObjectNumber": "20240223",
"powerPlantType": "S",
"generatingObjectType": "N",
"generatingPower": 9,
"powerPlantValidFrom": "2023-08-01",
"powerPlantValidTo": null,
"accountingScheme": "NET_BILLING",
"accountingSchemeValidFrom": "2024-01-01",
"accountingSchemeValidTo": null,
"accountingSchemeChangeDate": "2026-01-01",
"payoffMethod": null,
"payoffMethodChangeDate": null
},
{
```

```
"powerPlantValidTo": null,
"powerPlantObjectType": "S"
},
"metersAmount": 1,
"autoMetersAmount": 1,
"smartMeterInstallationDate": "2022-12-14",
"supplyState": "T",
"supplyStateFrom": "1996-12-11",
"supplyStateTo": null,
"consumptionState": "V",
"consumptionStateFrom": "2015-09-01",
"consumptionStateTo": null,
"productsAmount": 2,
"scalesAmount": 2,
"technologicalCosts": null,
"accountingType": "NET_METERING",
"generatingGroup": 1,
"generatingObjectPriorityGroup": 2,
"generatingObjectType": "G"
"powerPlantObjects": [
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"powerPlantType": "S",
"generatingObjectType": "G",
"generatingPower": 5,
"powerPlantValidFrom": "2022-12-14",
"powerPlantValidTo": null,
"accountingScheme": "NET_METERING",
"accountingSchemeValidFrom": "2022-12-14",
"accountingSchemeValidTo": null,
"accountingSchemeChangeDate": "2026-12-14",
"payoffMethod": "P",
"payoffMethodChangeDate": "2024-12-14"
}
],
```

	<pre>"powerPlantObjectNumber": "20240224", "powerPlantType": "S", "generatingObjectType": "N", "generatingPower": 5, "powerPlantValidFrom": "2023-08-01", "powerPlantValidTo": null, "accountingScheme": "NET_BILLING", "accountingSchemeValidFrom": "2024-01-01", "accountingSchemeValidTo": null, "accountingSchemeChangeDate": "2026-01-01", "payoffMethod": null, "payoffMethodChangeDate": null } ], "voltage": 0.4, "tariffPlan": "El. en. persiuntimo planas \"Namai\" I grupės vartotojams, gaunantiems elektros energiją iš žemosios įtampos elektros tinklų", "tariffPlanChangeDate": "2023-08-01", "timeZone": "2", "consumptionAverage": 500.1, "consumptionAverageCalculationDate": "2024-02-09", "consumptionAverageCalculationMonthsCount": 10 }, { "consumerCode": "12121212", "personCode": "12345678910", "personName": "Vardas", "personSurname": "Pavardė", "objectNumber": "14725836", "objectName": "", "objectType": "KKC", "objectAddress": "Kauno g. 2, Kaunas", "contractType": "SBTS", "contractModel": "BSS",</pre>	<pre>"voltage": 0.4, "tariffPlan": "El. en. persiuntimo planas \"Standartinis\" I grupės vartotojams, gaunantiems elektros energiją iš žemosios įtampos elektros tinklų", "tariffPlanChangeDate": "2022-12-14", "timeZone": "2", "consumptionAverage": 70.6, "consumptionAverageCalculationDate": "2024-02-08", "consumptionAverageCalculationMonthsCount": 10 }, { "consumerCode": "20240314", "personCode": "20240314314", "personName": "Vardenis", "personSurname": "Pavardenis024", "objectNumber": "20240315", "objectName": "BUTAS", "objectType": "Butas", "objectAddress": "Vakarių g. 3, Kaunas", "contractType": "SBTS", "contractModel": "BSS", "permissiblePowerConsumption": 5, "permissiblePowerGeneration": null, "usedPowerPlantTotalPower": 5, "installedGeneratingPower": null, "powerPlantObject": { "powerPlantValidFrom": null, "powerPlantValidTo": null, "powerPlantObjectType": null }, "metersAmount": 1, "autoMetersAmount": 1, "smartMeterInstallationDate": "2022-12-21", "supplyState": "T", "supplyStateFrom": "2019-02-06",</pre>
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	<pre>"permissiblePowerConsumption": 22, "permissiblePowerGeneration": 17, "usedPowerPlantTotalPower": 17, "installedGeneratingPower": 17.22, "powerPlantObject": {   "powerPlantValidFrom": "1900-01-01",   "powerPlantValidTo": null,   "powerPlantObjectType": "S" }, "metersAmount": 1, "autoMetersAmount": 0, "smartMeterInstallationDate": null, "supplyState": "T", "supplyStateFrom": "2000-01-01", "supplyStateTo": null, "consumptionState": null, "consumptionStateFrom": null, "consumptionStateTo": null, "productsAmount": 2, "scalesAmount": 1, "technologicalCosts": false, "accountingType": "NET_METERING", "generatingGroup": null, "generatingObjectPriorityGroup": null, "generatingObjectType": "G" "powerPlantObjects": [   {     "powerPlantObjectNumber": "14725836",     "powerPlantType": "S",     "generatingObjectType": "G",     "generatingPower": 8,     "powerPlantValidFrom": "1900-01-01",     "powerPlantValidTo": null,     "accountingScheme": "NET_METERING",     "accountingSchemeValidFrom": "1900-01-01",</pre>	<pre>"supplyStateTo": null, "consumptionState": "V", "consumptionStateFrom": "2019-02-04", "consumptionStateTo": null, "productsAmount": 1, "scalesAmount": 1, "technologicalCosts": null, "accountingType": "NET_METERING", "generatingGroup": 1, "generatingObjectPriorityGroup": 1, "generatingObjectType": "N" "powerPlantObjects": [   {     "powerPlantObjectNumber": "20240314",     "powerPlantType": "S",     "generatingObjectType": "N",     "generatingPower": 5,     "powerPlantValidFrom": "2023-09-01",     "powerPlantValidTo": null,     "accountingScheme": "NET_METERING",     "accountingSchemeValidFrom": "2023-09-01",     "accountingSchemeValidTo": null,     "accountingSchemeChangeDate": "2025-09-01",     "payoffMethod": "P",     "payoffMethodChangeDate": "2023-09-01"   } ], "voltage": 0.23, "tariffPlan": "El. en. persiuntimo planas \"Standartinis\" I grupės vartotojams, gaunantiems elektros energiją iš žemosios įtampos elektros tinklų", "tariffPlanChangeDate": "2023-09-01", "timeZone": "1", "consumptionAverage": 151.3, "consumptionAverageCalculationDate": "2024-02-08",</pre>
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"payoffMethodChangeDate": "2025-01-01"
},
{
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"powerPlantType": "S",
"generatingObjectType": "N",
"generatingPower": 9,
"powerPlantValidFrom": "2020-01-01",
"powerPlantValidTo": null,
"accountingScheme": "NET_METERING",
"accountingSchemeValidFrom": "2024-01-01",
"accountingSchemeValidTo": null,
"accountingSchemeChangeDate": "2026-01-01",
"payoffMethod": "G",
"payoffMethodChangeDate": "2025-01-01"
}
],
"voltage": null,
"tariffPlan": "El. en. persiuntimo planas \"Standartinis\" I
grupės vartotojams, gaunantiems elektros energiją iš
žemosios įtampos elektros tinklų",
"tariffPlanChangeDate": "2023-08-01",
"timeZone": "2",
"consumptionAverage": 151.57,
"consumptionAverageCalculationDate": "2023-07-19",
"consumptionAverageCalculationMonthsCount": 7
},
```

```
"consumptionAverageCalculationMonthsCount": 10
},
{
"consumerCode": "20250129",
"personCode": "20250129202",
"personName": "Vardenis",
"personSurname": "Pavardenis",
"objectNumber": "20250129",
"objectName": "GYVENAMAS NAMAS",
"objectType": "Namas",
"objectAddress": " Pavasario g. 1, Palanga",
"contractType": "SBTS",
"contractModel": "BSS",
"permissiblePowerConsumption": 12,
"permissiblePowerGeneration": 10,
"usedPowerPlantTotalPower": null,
"installedGeneratingPower": 10,
"powerPlantObject": {
"powerPlantValidFrom": "2020-10-01",
"powerPlantValidTo": null,
"powerPlantObjectType": "S"
},
"metersAmount": 1,
"autoMetersAmount": 1,
"smartMeterInstallationDate": "2020-10-01",
"supplyState": "T",
"supplyStateFrom": "2020-10-01",
"supplyStateTo": null,
"consumptionState": "V",
"consumptionStateFrom": "2020-20-01",
"consumptionStateTo": null,
"productsAmount": 1,
"scalesAmount": 1,
"technologicalCosts": null,
"accountingType": "ENERGY_SHARER",
```

		<pre> "generatingGroup": null, "generatingObjectPriorityGroup": null, "generatingObjectType": "G", "powerPlantObjects": [], "voltage": 0.4, "tariffPlan": "El. en. persiuntimo planas \"Standartinis\" I grupės vartotojams, gaunantiems elektros energiją iš žemosios įtampos elektros tinklų", "tariffPlanChangeDate": "2025-01-01", "timeZone": "1", "consumptionAverage": 53, "consumptionAverageCalculationDate": "2024-12-01", "consumptionAverageCalculationMonthsCount": 12 } ] </pre>
--	--	--

### 6.3.9 POST /gateway/third-party/order/data-sum-obj-lvl-acr

Resource description	
<b>Definition</b>	The method is for order a report of total quantities according to the granted rights.
<b>Detailed description of method in API documentation (ENG)</b>	POST/gateway/third-party/order/data-sum-obj-lvl-acr
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request 1	Possible response data 1
<pre>{   "dateFrom": "2022-03-01",   "dateTo": "2023-02-28",   "objectNumbers": ["99999999"] }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>

### 6.3.10 GET /gateway/third-party/order/{orderId}/data-sum-obj-lvl-acr

Resource description	
<b>Definition</b>	The method is used to obtain the requested "Aggregate quantities by entitlement" report.
<b>Detailed description of method in API documentation (ENG)</b>	GET /gateway/third-party/order/{orderId}/data-sum-obj-lvl-acr
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.lt/swagger-ui.html">https://dh-sandbox-api-v2.eso.lt/swagger-ui.html</a>

Possible request	Possible response
<pre>{   "orderId": "100028" }</pre>	<pre>[   {     "personCode": "911111111",     "personName": "Aukštoji mokykla",     "personSurname": null,     "objectId": 91111111,     "objectNumber": "99999999",     "products": [       {         "productCode": null,         "productName": null, </pre>

```
"productType": "RG",
"unit": null,
"consumptionCategories": [
  {
    "category": "Q-",
    "consumptions": [
      {
        "billingPeriod": "2021-10-01",
        "consumptionAmount": 62,
        "productConsumptionType": null
      }
    ]
  }
],
{
  "productCode": null,
  "productName": null,
  "productType": "RV",
  "unit": null,
  "consumptionCategories": [
    {
      "category": "Q+",
      "consumptions": [
        {
          "billingPeriod": "2021-10-01",
          "consumptionAmount": 272,
          "productConsumptionType": null
        }
      ]
    }
  ]
},
{
  "productCode": null,
  "productName": null,
  "productType": "VK",
  "unit": null,
  "consumptionCategories": [
    {
      "category": "P+",
```

	<pre> "consumptions": [   {     "billingPeriod": "2021-10-01",     "consumptionAmount": 645,     "productConsumptionType": null   } ] } ] } ] } ] </pre>
--	--

### 6.3.11 GET /gateway/third-party/order/limits

Resource description	
<b>Definition</b>	The method is designed to obtain the order limits
<b>Detailed description of method in API documentation (ENG)</b>	GET /gateway/third-party/order/limits
<b>Request URL</b>	<a href="https://dh-sandbox-api-v2.eso.it/swagger-ui.html">https://dh-sandbox-api-v2.eso.it/swagger-ui.html</a>

Possible request 1	Possible response data 1
URL parameters: <ul style="list-style-type: none"> <li>• orderType - data-hr-15min-obj-lvl-acr</li> <li>• period - 2024-11-01</li> </ul>	<pre> {   "period": "2024-11-01",   "orderType": "data-hr-15min-obj-lvl-acr",   "objectQuantityLimit": 100,   "objectRemainingQuantity": 98 } </pre>