

# API documentation for third-party (sandbox)

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# 1. Documentation version history

The table below provides information on document version history:

Version	Date	Description
1.0.0	2022-12-05	Initial document version.
1.0.1	2022-12-05	<p>Implemented Object controller method:</p> <ul style="list-style-type: none"> <li>POST /gateway/third-party/object/all/active/list</li> </ul> <p>Implemented Access right controller methods:</p> <ul style="list-style-type: none"> <li>POST /gateway/third-party/access-right/list</li> <li>POST /gateway/third-party/access-right</li> <li>POST /gateway/third-party/access-right/{accessRightId}/cancel</li> </ul> <p>Implemented Order controller methods:</p> <ul style="list-style-type: none"> <li>POST/gateway/third-party/order/list</li> <li>GET/gateway/third-party/order/{orderId}/count</li> <li>POST/gateway/third-party/order/data-hr-15min-mtr-lvl-acr</li> <li>POST/gateway/third-party/order/data-hr-15min-obj-lvl-acr</li> <li>POST/gateway/third-party/order/data-sum-obj-lvl-acr</li> <li>POST /gateway/third-party/order/report-obj-acr</li> <li>GET /gateway/third-party/order/{orderId}/data-hr-15min-obj-lvl-acr</li> <li>GET /gateway/third-party/order/{orderId}/data-hr-15min-mtr-lvl-acr</li> <li>GET /gateway/third-party/order/{orderId}/report-obj-acr</li> <li>GET /gateway/third-party/order/{orderId}/data-sum-obj-lvl-acr</li> </ul>
1.0.2	2022-12-13	<p>Added new case:</p> <p>POST/gateway/third-party/order/data-hr-15min-mtr-lvl-acr</p> <ul style="list-style-type: none"> <li>request 4, response 4</li> </ul> <p>POST/gateway/third-party/order/data-hr-15min-obj-lvl-acr</p> <ul style="list-style-type: none"> <li>request 5, response 5</li> </ul> <p>GET /gateway/third-party/order/{orderId}/data-hr-15min-obj-lvl-acr</p> <ul style="list-style-type: none"> <li>orderId: 100033</li> </ul> <p>GET /gateway/third-party/order/{orderId}/data-hr-15min-mtr-lvl-acr</p> <ul style="list-style-type: none"> <li>orderId: 100034</li> </ul>
1.0.3	2023-05-06	<p>Added new json fiels in possible response data:</p> <ul style="list-style-type: none"> <li>consumptionAverage</li> <li>consumptionAverageCalculationDate</li> <li>consumptionAverageCalculationMonthsCount</li> </ul> <p>Method GET /gateway/third-party/order/{orderId}/report-obj-acr</p>

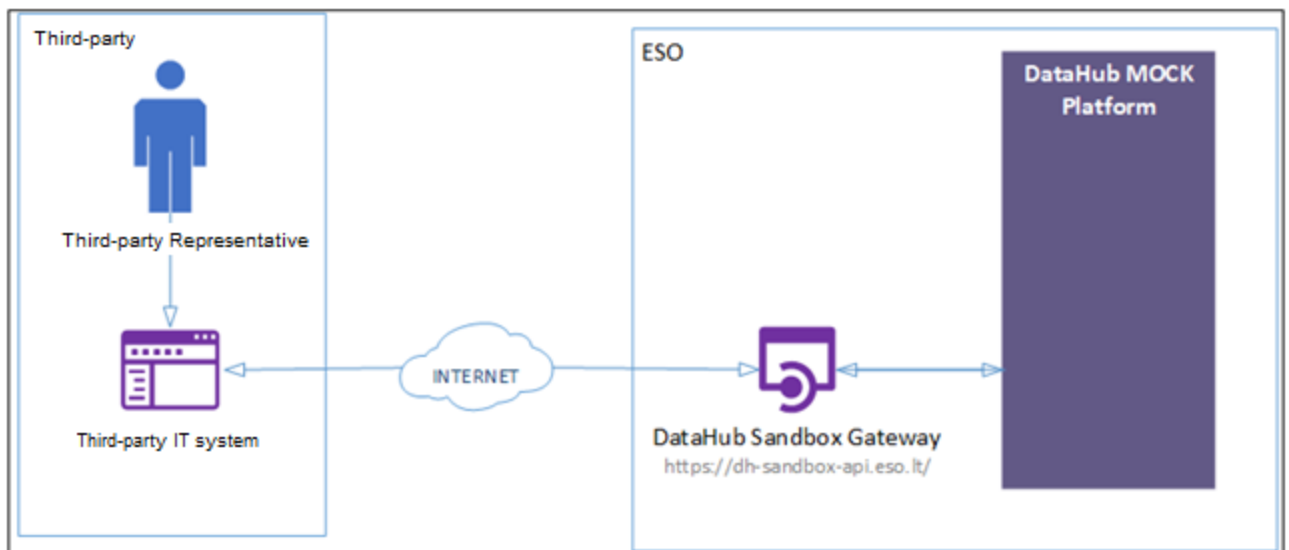
**Note:** Changes in table marked in white are already deployed, marked in green will be deployed in near future.

## 2. Preface

The Common Data Exchange Platform (hereinafter referred as DH Platform) Gateway is a component enabling third-party to directly access DH Platform from within their IT systems and thus helps perform their activities more efficiently.

DH Gateway provides open standards-based interfaces allowing third-party themselves (or with outside assistance) integrate their IT systems with DH Platform.

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



## 3. Environments

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

- “Sandbox” environment
- Production environment

Environment	Swagger Link	WEB Interface
Sandbox	<a href="https://dh-sandbox-api.eso.it/swagger-ui.html">https://dh-sandbox-api.eso.it/swagger-ui.html</a>	-
Sandbox version 2	<a href="https://dh-sandbox-api-v2.eso.it/swagger-ui.html">https://dh-sandbox-api-v2.eso.it/swagger-ui.html</a>	-

## 4. 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 DataHub Gateway API - the TOKEN submission in the case of cUrl takes place.

## 5. DataHub Gateway API documentation

This document section describes the technical DataHub API documentation, which provides descriptions of API methods, request and response JSON data model structure, data validation rules, error handling, and other related information.

### 5.1 Object controller

#### 5.1.1 Method 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 the objects.
<b>Detailed description of method in API documentation (ENG)</b>	POST /gateway/third-party/object/all/active/list Response description are provided in additional document - <a href="https://www.eso.lt/lt/duomenu-mainu-platforma/dokumentai.html">https://www.eso.lt/lt/duomenu-mainu-platforma/dokumentai.html</a> .
<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
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<pre>{   "objectDataConsentSign": true,   "personCode": "12345678910" }</pre>	<pre>[   {     "personName": "Vardas",     "personSurname": "Pavardė",     "personCode": "*****910",     "consumerCode": "12121212",     "generatingObjectType": null,     "objectNumber": "98765432",     "objectAddress": "Kauno g. 1, Kaunas",     "automationLevel": "NONE",     "contractType": "SBTS",     "supplierType": "NT",     "tariffPlan": "",     "timeZone": "2",     "powerPlantType": "S"   },   {     "personName": "Vardas",     "personSurname": "Pavardė",     "personCode": "*****910",     "consumerCode": "12121212",     "generatingObjectType": "G",     "objectNumber": "14725836",     "objectAddress": "Kauno g. 2, Kaunas",     "automationLevel": "NONE",     "contractType": "SBTS",     "supplierType": "NT",     "tariffPlan": "",     "timeZone": "2",     "powerPlantType": "S"   } ]</pre>
<b>Possible request 2</b>	<b>Possible response data 2</b>
<pre>{   "objectDataConsentSign": true,   "personCode": "12345678555" }</pre>	<pre>[   {     "personName": "Vardas",     "personSurname": "Pavardė",     "personCode": "*****555",     "consumerCode": "14725836",     "generatingObjectType": "G",     "objectNumber": "12345678",     "objectAddress": "Gatvės g. 1, Kaimo k., Seniūnijos sen., 12345 Vilniaus r. sav.",     "automationLevel": "NONE",     "contractType": "SBTS",     "supplierType": "VT",     "tariffPlan": "\"Išmanusis\" I grupės vartotojams, gaunantiems elektros energiją iš žemosios įtampos elektros tinklą",     "timeZone": "4",   } ]</pre>

	<pre> "powerPlantType": "S" } ] </pre>
<b>Possible request 3</b>	<b>Possible response data 3</b>
<pre> {   "objectDataConsentSign": true,   "personCode": "12345678123" } </pre>	<pre> [   {     "personName": "Vardas",     "personSurname": "Pavardė",     "personCode": "*****123",     "consumerCode": "77777777",     "generatingObjectType": "N",     "objectNumber": "22222222",     "objectAddress": "Laisvės pr. 1 00001 Vilnius",     "automationLevel": "FULL",     "contractType": "SBTS",     "supplierType": "NT",     "tariffPlan": "\\Išmanusis\\" I grupės vartotojams, gaunantiems     elektros energiją iš žemosios įtampos elektros tinklą",     "timeZone": "4",     "powerPlantType": "S"   },   {     "personName": "Vardas",     "personSurname": "Pavardė",     "personCode": "*****123",     "consumerCode": "77777777",     "generatingObjectType": "G",     "objectNumber": "33333333",     "objectAddress": "Laisvės pr. 2 00002 Vilnius",     "automationLevel": "FULL",     "contractType": "SBTS",     "supplierType": "VT",     "tariffPlan": "",     "timeZone": "2",     "powerPlantType": "S"   },   {     "personName": "Vardas",     "personSurname": "Pavardė",     "personCode": "*****123",     "consumerCode": "77777777",     "generatingObjectType": null,     "objectNumber": "31313131",     "objectAddress": "Palangos g. 2, Palanga",     "automationLevel": "NONE",     "contractType": "SBTS",     "supplierType": "VT",     "tariffPlan": "El. en. persiuntimo 1 planas III grupės     vartotojams, gaunantiems elektros energiją iš žemosios įtampos     elektros tinklą",     "timeZone": "2",     "powerPlantType": "S"   } ] </pre>
<b>Possible request 4</b>	<b>Possible response data 4</b>

<pre>{   "objectDataConsentSign": true,   "personCode": "123456789" }</pre>	<pre>[   {     "personName": "Įmonės pavadinimas",     "personSurname": null,     "personCode": "123456789",     "consumerCode": "66666",     "generatingObjectType": null,     "objectNumber": "444444444",     "objectAddress": "Šiaulių g. 8, Šiauliai",     "automationLevel": "NONE",     "contractType": "SKMS",     "supplierType": "NT",     "tariffPlan": "El. en. persiuntimo 1 planas III grupės     vartotojams, gaunantiems elektros energiją iš žemosios įtampos     elektros tinklų",     "timeZone": "N",     "powerPlantType": "S"   } ]</pre>
<p><b>Possible request 5</b></p>	<p><b>Possible response data 5</b></p>
<pre>{   "objectDataConsentSign": true,   "personCode": "11111111828" }</pre>	<pre>[   {     "personName": "PAULIUS",     "personSurname": "PAULAUSKAS",     "personCode": "*****828",     "consumerCode": "11001274",     "generatingObjectType": null,     "objectNumber": "11193351",     "objectAddress": "Gatvė g. 5, Vilnius",     "automationLevel": "NONE",     "contractType": "SBTS",     "supplierType": "NT",     "tariffPlan": "Standartinis",     "timeZone": "1",     "powerPlantType": null   } ]</pre>
<p><b>Possible request 6</b></p>	<p><b>Possible response data 6</b></p>
<pre>{   "objectDataConsentSign": true,   "personCode": "110778344" }</pre>	<pre>[   {     "personName": "UAB \"Įmonės pavadinimas 5\"",     "personSurname": null,     "personCode": "110778344",     "consumerCode": "11001277",     "generatingObjectType": null,     "objectNumber": "17056270",     "objectAddress": "Gatvė g. 20, Kaunas",     "automationLevel": "NONE",     "contractType": "SKMS",     "supplierType": "NT",   } ]</pre>

	<pre> "tariffPlan": "El. en. pērsiuntimo 1 planas II grupēs vartotojams, gaunantiems elektros energijā iš žemosios įtampos elektros tinklų", "timeZone": "2", "powerPlantType": null } ] </pre>
<b>Possible request 7</b>	<b>Possible response data 7</b>
<pre> { "objectDataConsentSign": true, "personCode": "911111111" } </pre>	<pre> [ { "personName": "Aukštoji mokykla", "personSurname": null, "personCode": "911111111", "consumerCode": "919191", "generatingObjectType": null, "objectNumber": "99999999", "objectAddress": "Telšių g. 12, Telšiai", "automationLevel": "FULL", "contractType": "SKMS", "supplierType": "NT", "tariffPlan": "El. en. pērsiuntimo 1 planas III grupēs vartotojams, gaunantiems elektros energijā iš žemosios įtampos elektros tinklų", "timeZone": "VR", "powerPlantType": "S" } ] </pre>
<b>Possible request 8</b>	<b>Possible response data 8</b>



<pre>{   "objectDataConsentSign": true,   "personCode": "333989071" }</pre>	<pre>[   {     "personName": "Petraičio įmonė \"IMONĖ\"",     "personSurname": null,     "personCode": "333989071",     "consumerCode": "333107",     "generatingObjectType": null,     "objectNumber": "74042555",     "objectAddress": "Petraičio g. 16A, Kaunas",     "automationLevel": "NONE",     "contractType": "SKMS",     "supplierType": "NT",     "tariffPlan": "El. en. persiuntimo 1 planas II grupės     vartotojams, gaunantiems elektros energiją iš žemosios įtampos     elektros tinklų",     "timeZone": "1",     "powerPlantType": "S"   } ]</pre>
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## 5.2 Access right controller

### 5.2.1 Method POST /gateway/third-party/access-right/list

Resource description	
<b>Definition</b>	The method to obtain information and a list of granted rights.
<b>Detailed description of method in API documentation (ENG)</b>	POST /gateway/third-party/access-right/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>{   "accessRightSource": null,   "accessRightId": null,   "accessRightValidFrom": "2022-01-01", }</pre>	<pre>[   {     "accessRightId": 100016,     "accessRightValidFrom": "2022-04-03T15:17:07",   } ]</pre>

<pre> "accessRightValidTo": null, "consumerCode": null, "contractModel": "BSS", "contractType": "SBTS", "generatingObjectType": null, "objectAddressSearch": null, "objectNumber": "11111111", "personCode": null, "powerPlantType": null, "supplierType": null, "userNameSearch": null } </pre>	<pre> "accessRightValidTo": "2025-09-01T23:59:59", "daysLeft": 1002, "accessRightSource": null, "userName": "PUBLIC", "objectNumber": "11111111", "generatingObjectType": null, "objectAddress": "Alytaus g. 1, 11111 Alytus", "contractModel": "BSS", "supplierType": "VT", "tariffPlan": null, "timeZone": null, "powerPlantType": null, "automationLevel": "NONE", "contractType": "SBTS", "personName": "VARDAS", "personSurname": "PAVARDĖ", "personCode": "*****111", "consumerCode": "12121212", "accessRightPhoneNo": null, "accessRightEmailAddress": null, "accessRightNote": null } ] </pre>
<p><b>Possible request 2</b></p>	<p><b>Possible response data 2</b></p>
<pre> { "accessRightSource": null, "accessRightId": null, "accessRightValidFrom": null, "accessRightValidTo": null, "consumerCode": null, "contractModel": "2S2S", "contractType": "SKMS", "generatingObjectType": null, "objectAddressSearch": null, "objectNumber": null, "personCode": null, "powerPlantType": null, "supplierType": null, "userNameSearch": null } </pre>	<pre> [ { "accessRightId": 100012, "accessRightValidFrom": "2022-06-22T17:17:05", "accessRightValidTo": "2025-12-01T23:59:59", "daysLeft": 1093, "accessRightSource": "DATAHUB", "userName": "PUBLIC", "objectNumber": "77777777", "generatingObjectType": null, "objectAddress": "Vilniaus g. 2, Vilnius", "contractModel": "2S2S", "supplierType": "NT", "tariffPlan": null, "timeZone": "N", "powerPlantType": null, "automationLevel": "NONE", "contractType": "SKMS", "personName": "UAB \"PAVADINIMAS\"", "personSurname": null, } ] </pre>

```
"personCode": "77777777",
"consumerCode": "77777",
"accessRightPhoneNo": "+37061234567",
"accessRightEmailAddress": "a@a.lt",
"accessRightNote": "pastaba"
},
{
"accessRightId": 100013,
"accessRightValidFrom": "2022-06-22T17:17:05",
"accessRightValidTo": "2025-12-01T23:59:59",
"daysLeft": 1093,
"accessRightSource": "DATAHUB",
"userName": "PUBLIC",
"objectNumber": "88888888",
"generatingObjectType": null,
"objectAddress": "Šiaulių g. 8, Šiauliai",
"contractModel": "2S2S",
"supplierType": "NT",
"tariffPlan": "El. en. persiuntimo 1 planas III grupės
vartotojams, gaunantiems elektros energiją iš žemosios
įtampos elektros tinklų",
"timeZone": "N",
"powerPlantType": "S",
"automationLevel": "NONE",
"contractType": "SKMS",
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"personSurname": null,
"personCode": "888888881",
"consumerCode": "66655",
"accessRightPhoneNo": "+37061234567",
"accessRightEmailAddress": "a@a.lt",
"accessRightNote": "pastaba"
},
{
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"accessRightValidTo": "2025-12-01T23:59:59",
"daysLeft": 1093,
"accessRightSource": "DATAHUB",
"userName": "PUBLIC",
"objectNumber": "99999999",
"generatingObjectType": null,
"objectAddress": "Telšių g. 12, Telšiai",
"contractModel": "2S2S",
"supplierType": "NT",
```

	<pre> "tariffPlan": "El. en. persiuntimo 1 planas III grupės vartotojams, gaunantiems elektros energiją iš žemosios įtampos elektros tinklų", "timeZone": "VR", "powerPlantType": "S", "automationLevel": "NONE", "contractType": "SKMS", "personName": "Aukštoji mokykla", "personSurname": null, "personCode": "911111111", "consumerCode": "919191", "accessRightPhoneNo": "+37061234567", "accessRightEmailAddress": "a@a.lt", "accessRightNote": "pastaba" }, { "accessRightId": 100017, "accessRightValidFrom": "2021-05-14T04:12:05", "accessRightValidTo": "2025-05-17T00:00:00", "daysLeft": 895, "accessRightSource": null, "userName": "SYSTEM", "objectNumber": "22222222", "generatingObjectType": null, "objectAddress": "Klaipėdos g. 2, 22222 Klaipėda", "contractModel": "2S2S", "supplierType": "NT", "tariffPlan": null, "timeZone": null, "powerPlantType": null, "automationLevel": "NONE", "contractType": "SKMS", "personName": "ĮMONĖ, UAB", "personSurname": null, "personCode": "22222222", "consumerCode": "222222", "accessRightPhoneNo": null, "accessRightEmailAddress": null, "accessRightNote": null } ] </pre>
<p><b>Possible request 3</b></p>	<p><b>Possible response data 3</b></p>
<pre> { "accessRightSource": null, </pre>	<pre> [ { </pre>

```
"accessRightId": null,
"accessRightValidFrom": null,
"accessRightValidTo": null,
"consumerCode": null,
"contractModel": null,
"contractType": null,
"generatingObjectType": null,
"objectAddressSearch": null,
"objectNumber": null,
"personCode": "12345678910",
"powerPlantType": null,
"supplierType": null,
"userNameSearch": null
}
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"accessRightId": 100018,
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"accessRightValidTo": "2025-12-01T23:59:59",
"daysLeft": 1093,
"accessRightSource": null,
"userName": "PUBLIC",
"objectNumber": "33333333",
"generatingObjectType": null,
"objectAddress": "Vilniaus g. 1, 11111 Vilnius",
"contractModel": "BSS",
"supplierType": "NT",
"tariffPlan": null,
"timeZone": null,
"powerPlantType": null,
"automationLevel": "NONE",
"contractType": "SBTS",
"personName": "Vardas3",
"personSurname": "Pavardė3",
"personCode": "*****910",
"consumerCode": "33333333",
"accessRightPhoneNo": "+37061234567",
"accessRightEmailAddress": "a@a.lt",
"accessRightNote": "pastaba"
```

```
},
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{
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"accessRightId": 100019,
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"accessRightValidTo": "2025-10-01T23:59:59",
"daysLeft": 1032,
"accessRightSource": null,
"userName": "PUBLIC",
"objectNumber": "31313131",
"generatingObjectType": null,
"objectAddress": "Kauno g. 1, 11111 Kaunas",
"contractModel": "BSS",
"supplierType": "NT",
"tariffPlan": null,
"timeZone": null,
"powerPlantType": null,
"automationLevel": "FULL",
"contractType": "SBTS",
"personName": "Vardas3",
"personSurname": "Pavardė3",
"personCode": "*****910",
"consumerCode": "31313131",
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	<pre> "accessRightPhoneNo": "+37061234567", "accessRightEmailAddress": "a@a.lt", "accessRightNote": null } ] </pre>
<b>Possible request 4</b>	<b>Possible response data 4</b>
<pre> { "accessRightSource": null, "accessRightId": null, "accessRightValidFrom": "2022-01-01", "accessRightValidTo": null, "consumerCode": null, "contractModel": "2S2S", "contractType": "SBTS", "generatingObjectType": null, "objectAddressSearch": null, "objectNumber": "44444444", "personCode": null, "powerPlantType": null, "supplierType": null, "userNameSearch": null } </pre>	<pre> [ { "accessRightId": 100010, "accessRightValidFrom": "2022-06-22T17:17:05", "accessRightValidTo": "2025-12-01T23:59:59", "daysLeft": 1093, "accessRightSource": "DATAHUB", "userName": "PUBLIC", "objectNumber": "44444444", "generatingObjectType": null, "objectAddress": "Šiaulių g. 8, Šiauliai", "contractModel": "2S2S", "supplierType": "NT", "tariffPlan": "El. en. persiuntimo 1 planas III grupės vartotojams, gaunantiems elektros energiją iš žemosios įtampos elektros tinklų", "timeZone": "N", "powerPlantType": "S", "automationLevel": "NONE", "contractType": "SBTS", "personName": "Įmonės pavadinimas", "personSurname": null, "personCode": "123456789", "consumerCode": "66666", "accessRightPhoneNo": "+37061234567", "accessRightEmailAddress": "a@a.lt", "accessRightNote": "pastaba" } ] </pre>
<b>Possible request 5</b>	<b>Possible response data 5</b>
<pre> { "accessRightSource": null, "accessRightId": null, "accessRightValidFrom": "2022-01-01", "accessRightValidTo": null, "consumerCode": null, </pre>	<pre> [ { "accessRightId": 100011, "accessRightValidFrom": "2022-06-22T17:17:05", "accessRightValidTo": "2025-12-01T23:59:59", "daysLeft": 1093, </pre>

<pre>"contractModel": "BSS", "contractType": "SBTS", "generatingObjectType": null, "objectAddressSearch": null, "objectNumber": "55555555", "personCode": null, "powerPlantType": null, "supplierType": null, "userNameSearch": null }</pre>	<pre>"accessRightSource": "DATAHUB", "userName": "PUBLIC", "objectNumber": "55555555", "generatingObjectType": null, "objectAddress": "Kauno g. 2, Kaunas", "contractModel": "BSS", "supplierType": "NT", "tariffPlan": null, "timeZone": "N", "powerPlantType": null, "automationLevel": "NONE", "contractType": "SBTS", "personName": "Vardas", "personSurname": "Pavardė", "personCode": "*****555", "consumerCode": "55555555", "accessRightPhoneNo": "+37061234567", "accessRightEmailAddress": "a@a.lt", "accessRightNote": "pastaba" } ]</pre>
<p><b>Possible request 6</b></p>	<p><b>Possible response data 6</b></p>
<pre>{ "accessRightSource": null, "accessRightId": null, "accessRightValidFrom": "2022-01-01", "accessRightValidTo": null, "consumerCode": null, "contractModel": "BSS", "contractType": "SBTS", "generatingObjectType": null, "objectAddressSearch": null, "objectNumber": "66666666", "personCode": null, "powerPlantType": null, "supplierType": null, "userNameSearch": null }</pre>	<pre>[ { "accessRightId": 100015, "accessRightValidFrom": "2022-06-22T17:17:05", "accessRightValidTo": "2025-12-01T23:59:59", "daysLeft": 1093, "accessRightSource": "DATAHUB", "userName": "PUBLIC", "objectNumber": "66666666", "generatingObjectType": null, "objectAddress": "Palangos g. 2, Palanga", "contractModel": "BSS", "supplierType": "NT", "tariffPlan": null, "timeZone": "N", "powerPlantType": null, "automationLevel": "NONE", "contractType": "SBTS", "personName": "Vardas", "personSurname": "Pavardė", "personCode": "*****666", "consumerCode": "66666666", }</pre>

	<pre> "accessRightPhoneNo": "+37061234567", "accessRightEmailAddress": "a@a.lt", "accessRightNote": "pastaba" } ] </pre>
--	--

### 5.2.2 Method POST /gateway/third-party/access-right

Resource description	
<b>Definition</b>	<p>The third-party can grant rights by himself to access clients' historical data if has client agreement.</p> <p>Using this API method, the third-party grants itself the right to access the historical data of the client objects on behalf of the customer. Once the rights have been granted, the third-party can download the customer's historical data for a certain period of time.</p>
<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"     }   ],   "consentSign": true,   "personBirthDate": "2022-01-01",   "personCode": "1111111111",   "personName": "Vardas1",   "personSurname": "Pavardė1" } </pre>	<pre> [   {     "accessRightId": [a new Id is generated]   } ] </pre>
Possible request 2	Possible response data 2



<pre>{   "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" }</pre>	<pre>[   {     "accessRightId": [a new Id is generated]   } ]</pre>
---	---

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

Resource description	
<b>Definition</b>	The third-party may remove the rights granted to him. He granted the rights himself with the client's permission, or the rights were granted to him by the client through ESO-S. The third-party can remove remove on rights which was granted by himself.
<b>Detailed description of method in API documentation (ENG)</b>	POST /gateway/third-party/access-right/{accessRightId}/cancel
<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>[   {     "accessRightId": "100015"   } ]</pre>	If the request is successful, an <b>HTTP 200 Created</b> message is returned.

## 5.3 Order controller

### 5.3.1 Method POST/gateway/third-party/order/list

Resource description
----------------------

<b>Definition</b>	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 1	Possible response data 1
<pre>{   "orderId": null,   "orderTypes": null,   "submittedDateFrom": "2022-03-01",   "submittedDateTo": null,   "dateFrom": null,   "dateTo": null,   "status": "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": 100021,     "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\\":[\\"66666666\\"],\\"interval\\":\\"HOUR\\"}",     "latestStatus": "IV",     "statusDate": "2022-01-01T11:00:00",     "expireDate": "2122-03-02T11:01:00",     "auto": false,     "userName": "PUBLIC"   },   {     "orderId": 100022,     "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\\":[\\"88888888\\"],\\"interval\\":\\"HOUR\\"}",     "latestStatus": "IV",     "statusDate": "2022-01-01T11:00:00",     "expireDate": "2122-03-02T11:01:00",     "auto": false,     "userName": "PUBLIC"   } ]</pre>

```
{
  "orderId": 100023,
  "orderType": "data-hr-15min-obj-lvl-acr",
  "submittedDate": "2022-03-01T11:00:00",
  "dateFrom": "2021-03-01",
  "dateTo": "2022-02-28",
  "orderParameters":
  "{\\"consumptionCategory\\":[\\\"P+\\\"],\\"objectNumbers\\":[\\\"777777
77\\\"],\\"interval\\":\\"HOUR\\"}",
  "latestStatus": "IV",
  "statusDate": "2022-01-01T11:00:00",
  "expireDate": "2122-03-02T11:01:00",
  "auto": false,
  "userName": "PUBLIC"
},
{
  "orderId": 100024,
  "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\\":[\\\"22222222\\\"],\\"interval\\":\\"HOUR\\"}",
  "latestStatus": "IV",
  "statusDate": "2022-01-01T11:00:00",
  "expireDate": "2122-03-02T11:01:00",
  "auto": false,
  "userName": "PUBLIC"
},
{
  "orderId": 100025,
  "orderType": "data-hr-15min-mtr-lvl-acr",
  "submittedDate": "2022-03-01T11:00:00",
  "dateFrom": "2021-03-01",
  "dateTo": "2022-02-28",
  "orderParameters":
  "{\\"consumptionCategory\\":[\\\"P+\\\"],\\"objectNumbers\\":[\\\"333333
33\\\"],\\"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\\"}",
  "latestStatus": "IV",
  "statusDate": "2022-01-01T11:00:00",
  "expireDate": "2122-03-02T11:01:00",
  "auto": false,
  "userName": "PUBLIC"
}
```

```
},
{
  "orderId": 100027,
  "orderType": "report-obj-acr",
  "submittedDate": "2022-03-01T11:00:00",
  "dateFrom": "2022-11-01",
  "dateTo": "2022-11-30",
  "orderParameters": "{\"objectNumbers\":[\"11111111\"]}",
  "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": 100033,
  "orderType": "data-hr-15min-obj-lvl-acr",
  "submittedDate": "2022-03-01T11:00:00",
  "dateFrom": "2022-10-01",
  "dateTo": "2022-10-31",
  "orderParameters": "{\"consumptionCategory\":[\"P+\"],\"P-\", \"objectNumbers\":[\"88888888\"],\"interval\": \"HOUR\"}",
  "latestStatus": "IV",
  "statusDate": "2022-01-01T11:00:00",
  "expireDate": "2122-03-02T11:01:00",
  "auto": false,
  "userName": "PUBLIC"
},
{
  "orderId": 100034,
  "orderType": "data-hr-15min-mtr-lvl-acr",
  "submittedDate": "2022-03-01T11:00:00",
  "dateFrom": "2022-10-01",
  "dateTo": "2022-10-31",
  "orderParameters": "{\"consumptionCategory\":[\"P+\"],\"objectNumbers\":[\"22222222\"],\"interval\": \"HOUR\"}",
  "latestStatus": "IV",
  "statusDate": "2022-01-01T11:00:00",
  "expireDate": "2122-03-02T11:01:00",
  "auto": false,
  "userName": "PUBLIC"
}
]
```

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

Resource description	
<b>Definition</b>	Method which will return count (number), how many items Third-party will get in ordered report (reports could have more than 1 item, so it is List). It should be used when supplier need to split data in few portions. This response should be used in reports' GET methods request, where 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": "100025" }</pre>	<pre>{   "count": 1 }</pre>

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

Resource description	
<b>Definition</b>	The method is designed for ordering data for automated quantities at the counter level according to the rights granted.
<b>Detailed description of method in API documentation (ENG)</b>	POST/gateway/third-party/order/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
<pre>{   "dateFrom": "2021-03-01",   "dateTo": "2022-02-28",   "consumptionCategories": ["P+", "P-", "Q+", "Q-"],   "objectNumbers":["22222222"],   "interval":"HOUR" }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>
Possible request 2	Possible response 2
<pre>{   "dateFrom": "2021-03-01",   "dateTo": "2022-02-28",   "consumptionCategories": ["P+"],   "objectNumbers":["33333333"],   "interval":"HOUR" }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>

Possible request 3	Possible response 3
<pre>{   "dateFrom": "2021-03-01",   "dateTo": "2022-02-28",   "consumptionCategories": ["P+", "P-", "Q+", "Q-"],   "objectNumbers":["44444444"],   "interval":"HOOR" }</pre>	<pre>{   "orderId":[a new Id is generated] }</pre>
Possible request 4	Possible response 4
<pre>{   "dateFrom": "2022-10-01",   "dateTo": "2022-10-31",   "consumptionCategories": ["P+", "P-", "Q+", "Q-"],   "objectNumbers":["22222222"],   "interval":"QUARTER" }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>

### 5.3.4 Method 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 1
<pre>{   "dateFrom": "2021-03-01",   "dateTo": "2022-02-28",   "consumptionCategories": ["P+", "P-", "Q+", "Q-"],   "objectNumbers":["55555555"],   "interval":"HOOR" }</pre>	<pre>{   "orderId":[a new Id is generated] }</pre>
Possible request 2	Possible response 2
<pre>{   "dateFrom": "2021-03-01",   "dateTo": "2022-02-28",   "consumptionCategories": ["P+", "P-", "Q+", "Q-"],   "objectNumbers":["66666666"],   "interval":"HOOR" }</pre>	<pre>{   "orderId":[a new Id is generated] }</pre>
Possible request 3	Possible response 3

<pre>{   "dateFrom": "2021-03-01",   "dateTo": "2022-02-28",   "consumptionCategories": ["P+"],   "objectNumbers":["77777777"],   "interval":"HOUR" }</pre>	<pre>{   "orderId":[a new Id is generated] }</pre>
<b>Possible request 4</b>	<b>Possible response 4</b>
<pre>{   "dateFrom": "2021-03-01",   "dateTo": "2022-02-28",   "consumptionCategories": ["P+", "P-", "Q+", "Q-"],   "objectNumbers":["88888888"],   "interval":"HOUR" }</pre>	<pre>{   "orderId":[a new Id is generated] }</pre>
<b>Possible request 5</b>	<b>Possible response 5</b>
<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>

### 5.3.5 Method POST /gateway/third-party/order/report-obj-acr

Resource description	
<b>Definition</b>	The method is for order a report of objects according to 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>

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

### 5.3.6 Method 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": "2021-03-01",   "dateTo": "2022-02-28",   "objectNumbers": ["99999999"] }</pre>	<pre>{   "orderId": [a new Id is generated] }</pre>

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

Resource description	
<b>Definition</b>	The method for 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	Possible response
<pre>{   "orderId": "100020" }</pre>	Possible response is submitted in the .csv file of the report.
<pre>{   "orderId": "100021" }</pre>	
<pre>{   "orderId": "100022" }</pre>	
<pre>{   "orderId": "100023" }</pre>	
<pre>{   "orderId": "100033" }</pre>	



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

Resource description	
<b>Definition</b>	The method for 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	Possible response
{ "orderId": "100024" }	Possible response is submitted in the .csv file of the report.
{ "orderId": "100025" }	
{ "orderId": "100026" }	
{ "orderId": "100034" }	

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

Resource description	
<b>Definition</b>	The method for used to 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	Possible response
{ "orderId": "100027" }	[ { "consumerCode": "11111111", "personCode": "1111111111", "personName": "Vardas1", "personSurname": "Pavardė1", "objectId": 100020, "objectNumber": "11111111", "objectName": "Daugiabutis namas,laiptinė", "objectType": "Butas", "objectAddress": "Vilniaus g. 1, Vilnius", "contractType": "SBTS",

	<pre> "contractModel": "BSS", "permissiblePowerConsumption": 7, "permissiblePowerGeneration": null, "metersAmount": 2, "autoMetersAmount": 0, "smartMeterInstallationDate": null, "supplyState": "T", "supplyStateFrom": "1990-01-01", "supplyStateTo": null, "consumptionState": "V", "consumptionStateFrom": "1990-01-01", "consumptionStateTo": null, "productsAmount": 1, "scalesAmount": 2, "technologicalCosts": "false", "payoffMethod": null, "generatingObjectType": null, "generatingObjectTypeFrom": null, "generatingObjectTypeTo": null, "powerPlantType": null, "voltage": 0.04, "tariffPlan": "Standartinis", "tariffPlanChangeDate": "2020-07-01", "timeZone": null, "consumptionAverage": null, "consumptionAverageCalculationDate": null, "consumptionAverageCalculationMonthsCount": null } ] </pre>
--	---

### 5.3.10 Method 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": "91111111",     "personName": "Aukštoji mokykla",     "personSurname": null,     "objectId": 91111111,     "objectNumber": "99999999",     "products": [       { </pre>

```
"productCode": null,
"productName": null,
"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+",
      "consumptions": [
        {
          "billingPeriod": "2021-10-01",
          "consumptionAmount": 645,
          "productConsumptionType": null
        }
      ]
    }
  ]
}
]
```