DH Sandbox API Documentation for Guaranteed Supplier V2

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1 Documentation version history

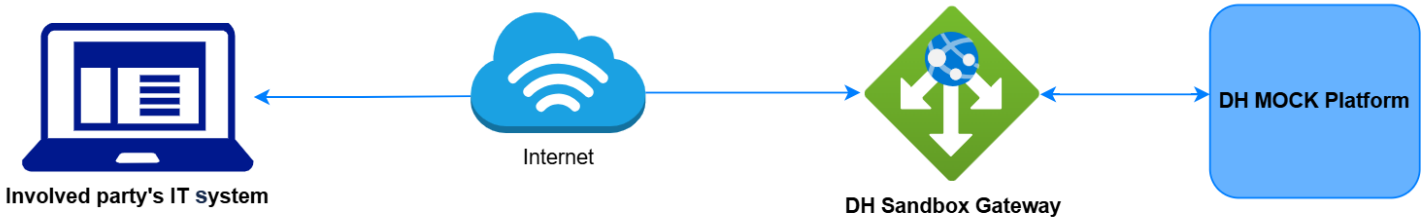
The table below provides information on document version history:

Version	Date	Description
2.0.0	2026-10-19	This version introduces a new approach to documentation. All prior versions remain available in the earlier documentation set.

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

2 Preface

This document is designed to guide through the process of effectively utilizing the sandbox environment. The sandbox environment is intended for testing and validating integration with the DH Platform without impacting live operations. It offers a safe space to explore API functionalities and execute test scenarios using mock data, as described in the Use Case Scenarios section.



Before using the Sandbox, we recommend reviewing the API structure and endpoint descriptions in the latest version of the DH API documentation for guaranteed supplier (DH_API_documentation_for_guaranteed_supplier_latestVersion.pdf).

3 Environments

The DH platform provides two accessible environments:

- **Production environment** for live operations
- **Sandbox environment** with mock data for testing purposes

For full environment details, including base URLs and authorization, please refer to the latest version of the DH API documentation for guaranteed supplier (DH_API_documentation_for_guaranteed_supplier_latestVersion.pdf).

4 Use case scenarios

This section presents technical use case scenarios to demonstrate API interaction within the sandbox environment using mock data. Each scenario supports end-to-end testing of workflows, API calls, and response handling.

To improve clarity and navigation, cases are grouped by functional domains (for example: **Orders**). This structure helps quickly locate relevant scenarios based on the system functionality.

Each use case is structured into the following components:

- **Overview**: Defines the logical sequence of actions in the use case.
- **Workflow Steps**: Lists the API endpoints and their execution order.
- **Example Flow**: Shows detailed mock request and response examples illustrating expected behavior.

4.1 Orders

4.1.1 Order and View Automated Amount on Object Level Report – Consumption / Net Metering Objects

Preconditions:

- A non-generating object or an object using a Net metering accounting scheme must be available before executing this scenario.
- Data from the ordered report can only be viewed once the order status is marked as *Completed*. To verify the order status, refer to the *View Report List* scenario and apply the relevant filters (such *as latestStatus, orderTypes, orderId*).

This scenario describes how to:

- Order the **Automated amount on object level** report.
- Retrieve data from the ordered **Automated amount on object level** report.

The following table maps each step to its corresponding API endpoint:

Step	Description	API Endpoint
1	Order Report	POST /gateway/guaranteed-supplier/order/data-hr-15min-obj-lvl
2	Retrieve Report Data	GET /gateway/guaranteed-supplier/order/{orderId}/data-hr-15min-obj-lvl

The following examples illustrate each step from the workflow table above, showing sample requests and responses for the corresponding API calls.

Step: Order Report

Note: Multiple POST request variants are possible (different combinations of parameters, e.g., consumption category). The GET response below shows one example with multiple consumption categories.

Example 1 - Report with consumption data

Request

```
{
    "dateFrom": "YYYY-MM-DD", // Any date within 36 months
    "dateTo": "YYYY-MM-DD", // Value must not exceed 12 months from dateFrom
    "consumptionCategories": [
        "P+"
    ],
    "objectNumbers": [
        "20240104"
    ],
    "interval": "HOUR"
}
```

Example 2 - Report with consumption and generation data

Request

```
{
    "dateFrom": "YYYY-MM-DD", // Any date within 36 months
    "dateTo": "YYYY-MM-DD", // Value must not exceed 12 months from dateFrom
    "consumptionCategories": [
        "P+",
        "P-"
    ],
    "objectNumbers": [
        "20240104"
    ],
    "interval": "HOUR"
}
```

All requests return the same response

```
{
    "orderId": "<unique-order-id>"
}
```

Step: Retrieve Report Data

Request

```
GET /gateway/guaranteed-supplier/order/100052/data-hr-15min-obj-lvl
```

Response

```
Response is provided in the Automated amount on object level report 100052.json file.
```

4.1.2 Order and View Automated Amount on Object Level Report – Net Billing Objects

Preconditions:

- An object with a **Net billing** accounting scheme must be available before executing this scenario.

- Data from the ordered report can only be viewed once the order status is marked as *Completed*. To verify the order status, refer to the *View Report List* scenario and apply the relevant filters (such *as latestStatus, orderTypes, orderId*).

This scenario describes how to:

- Order the **Automated amount on object level** report without recalculating data.
- Retrieve data from the ordered **Automated amount on object level** report.
- Order the **Net billing interval data change** report to check for changes that may require recalculating the **Automated amount on object level** report.
- Retrieve data from the ordered **Net billing interval data change** report.
- Order the **Automated amount on object level** report with data recalculation.
- Retrieve data from the ordered **Automated amount on object level** report.

The following table maps each step to its corresponding API endpoint:

Step	Description	API Endpoint
1	Order Automated Amount on Object Level Report without Data Recalculation	POST /gateway/guaranteed-supplier/order/data-hr-15min-obj-lvl
2	Retrieve Automated Amount Report (Non – Recalculated Data)	GET /gateway/guaranteed-supplier/order/{orderId}/data-hr-15min-obj-lvl
3	Order Net billing Interval Data Change Report	POST /gateway/guaranteed-supplier/order/data-hr-15min-history-changes
4	Retrieve Net Billing Interval Data Change Report	GET /gateway/guaranteed-supplier/order/{orderId}/data-hr-15min-history-changes
5	Order Automated Amount on Object Level Report with Data Recalculation	POST /gateway/guaranteed-supplier/order/data-hr-15min-obj-lvl
6	Retrieve Automated Amount Report (Recalculated Data)	GET /gateway/guaranteed-supplier/order/{orderId}/data-hr-15min-obj-lvl

The following examples illustrate each step from the workflow table above, showing sample requests and responses for the corresponding API calls.

Step: Order Automated Amount on Object Level Report without Data Recalculation

---

Example 1 - Hourly data report (power plant data aggregated)

Request

```
{
    "consumptionCategories": [
        "P+",
        "P-"
    ],
    "dateFrom": "YYYY-MM-DD", // Any date within 36 months
    "dateTo": "YYYY-MM-DD", // Value must not exceed 12 months from dateFrom
```

```
    "interval": "HOUR",
    "objectNumbers": [
        "20240226"
    ],
    "netBilling": {
        "intervalData": true,
        "intervalDataRecalculation": false,
        "intervalDataDetailed": false
    }
}
```

Response

```
{
    "orderId": "<unique-order-id>"
}
```

Example 2 - Hourly data report (including detailed power plant data)

Request

```
{
    "consumptionCategories": [
        "P+",
        "P-"
    ],
    "dateFrom": "YYYY-MM-DD", // Any date within 36 months
    "dateTo": "YYYY-MM-DD", // Value must not exceed 12 months from dateFrom
    "interval": "HOUR",
    "objectNumbers": [
        "20240226"
    ],
    "netBilling": {
        "intervalData": true,
        "intervalDataRecalculation": false,
        "intervalDataDetailed": true
    }
}
```

Response

```
{
    "orderId": "<unique-order-id>"
}
```

Step: Retrieve Automated Amount Report (Non – Recalculated Data)

Example 1 - Hourly data report (power plant data aggregated)

Request

```
GET /gateway/guaranteed-supplier/order/100067/data-hr-15min-obj-lvl
```

Response

```
Response is provided in the Automated amount on object level report 100067.json file.
```

Example 2 - Hourly data report (including detailed power plant data)

Request

```
GET /gateway/guaranteed-supplier/order/100068/data-hr-15min-obj-lvl
```

Response

```
Response is provided in the Automated amount on object level report 100068.json file.
```

Step: Order Net billing Interval Data Change Report

Request

```
{
    "dateFrom": "YYYY-MM-DD", // Any date, not older than 3 previous accounting months
    "objectNumbers": [
        "20240226"
    ]
}
```

Response

```
{
    "orderId": "<unique-order-id>"
}
```

Step: Retrieve Net Billing Interval Data Change Report

Request

```
GET /gateway/guaranteed-supplier/order/100069/data-hr-15min-history-changes
```

Response

```
Response is provided in the Net billing interval data change report 100069.json file.
```

Step: Order Automated Amount on Object Level Report with Data Recalculation

Request

```
{
   "consumptionCategories": [
        "P+",
        "P-"
    ],
    "dateFrom": "YYYY-MM-DD", // Recalculation billing period date within the last 36
months
   "dateTo": "YYYY-MM-DD", // Value must not exceed 1 accounting period from dateFrom
   "interval": "HOUR",
   "objectNumbers": [
        "20240226"
    ],
   "netBilling": {
       "intervalData": true,
```

```
        "intervalDataRecalculation": true,
        "intervalDataDetailed": true
    }
}
```

Response

```
{
    "orderId": "<unique-order-id>"
}
```

Step 6: Retrieve Automated Amount Report (Recalculated Data)

Request

```
GET /gateway/guaranteed-supplier/order/100070/data-hr-15min-obj-lvl
```

Response

```
Response is provided in the Automated amount on object level report 100070.json file.
```

4.1.3 Order and View Balance Data Report

Preconditions:

- Data from the ordered report can only be viewed once the order status is marked as *Completed*. To verify the order status, refer to the *View Report List* scenario and apply the relevant filters (such as *latestStatus, orderTypes, orderId*).

This scenario describes how to:

- Order the **Balance data** report.
- Retrieve data from the ordered **Balance data** report.

The following table maps each step to its corresponding API endpoint:

Step	Description	API Endpoint
1	Order Report	POST /gateway/guaranteed-supplier/order/balance-data
2	Retrieve Report Data	GET /gateway/guaranteed-supplier/order/{orderId}/balance-data

The following examples illustrate each step from the workflow table above, showing sample requests and responses for the corresponding API calls.

Step: Order Report

Request

```
{
    "dateFrom": "YYYY-MM-DD", // Any date within 36 months
    "dateTo": "YYYY-MM-DD", // Value must not exceed 1 accounting period from dateFrom
    "interval": "HOUR"
}
```

Response

```
{
    "orderId": "<unique-order-id>"
}
```

Step: Retrieve Report Data

Request

```
GET /gateway/guaranteed-supplier/order/100077/balance-data
```

Response

```
Response is provided in the Balance data report 100077.json file.
```

4.1.4 Order and View Generation by Type Report

Preconditions:

- Data from the ordered report can only be viewed once the order status is marked as *Completed*. To verify the order status, refer to the *View Report List* scenario and apply the relevant filters (such as *latestStatus, orderTypes, orderId*).

This scenario describes how to:

- Order the **Generation by type** report.
- Retrieve data from the ordered **Generation by type** report.

The following table maps each step to its corresponding API endpoint:

Step	Description	API Endpoint
1	Order Report	POST /gateway/guaranteed-supplier/order/balance-by-generation-type
2	Retrieve Report Data	GET /gateway/guaranteed-supplier/order/{orderId}/balance-by-generation-type

The following examples illustrate each step from the workflow table above, showing sample requests and responses for the corresponding API calls.

Step: Order Report

Request

```
{
    "generationType": "S",
    "dateFrom": "YYYY-MM-DD", // Any date within 36 months
    "dateTo": "YYYY-MM-DD", // Value must not exceed 1 accounting period from dateFrom
    "interval": "HOUR"
}
```

Response

```
{
    "orderId": "<unique-order-id>"
}
```

Step: Retrieve Report Data

Request

```
GET /gateway/guaranteed-supplier/order/100078/balance-by-generation-type
```

Response

```
Response is provided in the Balance by generation type 100078.json file.
```

4.1.5 Order and View Balance Data by Contract Type Report

Preconditions:

- Data from the ordered report can only be viewed once the order status is marked as *Completed*. To verify the order status, refer to the *View Report List* scenario and apply the relevant filters (such as *latestStatus, orderTypes, orderId*).

This scenario describes how to:

- Order the **Balance data by contract type** report.
- Retrieve data from the ordered **Balance data by contract type** report.

The following table maps each step to its corresponding API endpoint:

Step	Description	API Endpoint
1	Order Report	POST /gateway/guaranteed-supplier/order/balance-data-by-contract-type
2	Retrieve Report Data	GET /gateway/guaranteed-supplier/order/{orderId}/balance-data-by-contract-type

The following examples illustrate each step from the workflow table above, showing sample requests and responses for the corresponding API calls.

Step: Order Report

Request

```
{
    "contractType": "SBTS",
    "dateFrom": "YYYY-MM-DD", // Any date within 36 months
    "dateTo": "YYYY-MM-DD", // Value must not exceed 1 accounting period from dateFrom
    "interval": "HOUR"
}
```

Response

```
{
    "orderId": "<unique-order-id>"
}
```

Step: Retrieve Report Data

Request

```
GET /gateway/guaranteed-supplier/order/100106/balance-data-by-contract-type
```

Response

```
Response is provided in the Balance data by contract type report 100106.json file.
```

4.1.6 View Report List

Preconditions:

- A report must be created before executing this scenario.

This scenario describes how to:

- View the list of reports that have been created.

The following table maps each step to its corresponding API endpoint:

Step	Description	API Endpoint
1	View Report List	POST /gateway/guaranteed-supplier/order/list

The following examples illustrate each step from the workflow table above, showing sample requests and responses for the corresponding API calls.

Step: View Report List (Filtered Examples)

Example 1 - Search by one parameter

Request

```
{
    "orderId": 100052
}
```

Response

```
[
    {
        "orderId": 100052,
        "orderType": "data-hr-15min-obj-lvl",
        "submittedDate": "2024-01-04T07:50:17.811",
        "dateFrom": "2023-12-01",
        "dateTo": "2023-12-01",
        "orderParameters": "{\"consumptionCategories\":[\"P+\",\"P-
\"],\"objectNumbers\":[\"20240104\"],\"interval\":\"HOUR\"}",
        "latestStatus": "IV",
        "statusDate": "2024-01-04T07:50:20.966",
        "expireDate": "2124-01-05T07:50:20.966",
        "auto": false,
        "userName": "PUBLIC",
        "involvedPartyPermissionId": null
    }
]
```

Example 2: Search by multiple parameters

Request

```
{
    "status": "IV",
    "orderId": 100077,
    "orderTypes": [
        "balance-data"
    ]
}
```

Response

```
[
  {
    "orderId": 100077,
    "orderType": "balance-data",
    "submittedDate": "2024-03-04T08:30:48.302",
    "dateFrom": "2024-03-01",
    "dateTo": "2024-03-01",
    "orderParameters": "{\"interval\":\"HOUR\"}",
    "latestStatus": "IV",
    "statusDate": "2024-03-04T08:30:48.624",
    "expireDate": "2124-03-05T08:30:48.624",
    "auto": false,
    "userName": "PUBLIC",
    "involvedPartyPermissionId": null
  }
]
```

Example 3 - Search by all parameters

Request

```
{
  "auto": false,
  "dateFrom": "2023-12-01",
  "dateTo": "2023-12-01",
  "involvedPartyPermissionId": null,
  "orderId": 100052,
  "orderParametersSearch": "{\"consumptionCategories\":[\"P+\",\"P-
\"],\"objectNumbers\":[\"20240104\"],\"interval\":\"HOUR\"}",
  "orderTypes": [
    "data-hr-15min-obj-lvl"
  ],
  "status": "IV",
  "submittedDateFrom": "2024-01-04T00:00:00.000",
  "submittedDateTo": "2024-01-05T00:00:00.000",
  "userNameSearch": "PUBLIC"
}
```

Response


```
[
    {
        "orderId": 100052,
        "orderType": "data-hr-15min-obj-lvl",
        "submittedDate": "2024-01-04T07:50:17.811",
        "dateFrom": "2023-12-01",
        "dateTo": "2023-12-01",
        "orderParameters": "{\"consumptionCategories\":[\"P+\",\"P-
\"],\"objectNumbers\":[\"20240104\"],\"interval\":\"HOUR\"}",
        "latestStatus": "IV",
        "statusDate": "2024-01-04T07:50:20.966",
        "expireDate": "2124-01-05T07:50:20.966",
        "auto": false,
        "userName": "PUBLIC",
        "involvedPartyPermissionId": null
    }
]
```


4.1.7 View Report Line Count

Preconditions:

- A report with *Completed* status must be created before executing this scenario.

This scenario describes how to:

- View the line count of the report with *Completed* status.

The following table maps each step to its corresponding API endpoint:

Step	Description	API Endpoint
1	View Report Line Count	GET /gateway/guaranteed-supplier/order/{orderId}/count

The following examples illustrate each step from the workflow table above, showing sample requests and responses for the corresponding API calls.

Step: View Report Line Count

Request

```
GET /gateway/guaranteed-supplier/order/100070/count
```

Response


```
{
  "count": 1
}
```