

Single Digital Gateway

Technical Specifications

APIs for Single Digital Gateway

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1. INTRODUCTION

This document provides the specifications for the different web APIs to be implemented to enable the transfer of statistics and feedback data from SDG Front Office tools or Member States systems to the common data repository in the SDG Back Office. It also gives the information on the security & authentication of the web API.

2. OVERVIEW

There are four main APIs in scope of the SDG platform to transfer data from the Common IT tools or Member States tools to the common data repository for further processing as well as analysis and data visualization purposes. One additional API is also foreseen to provide a message unique ID to be used when calling any of the main four APIs above.

In the table below is included a summary of the payloads to be transferred via the APIs and the frequency of transmission. The API data definition files, so called "swaggers", are created in a way to contain this information as outlined below.

| | Stat | istics | Feedback on Quality | | | |
|-----------------|--|--|--|---|---|--|
| Type of Service | Information Services | Assistance Services | On-line procedures | Information Services | Assistance Services | |
| | Number of visits | Number of requests | | Found what you were looking for? (mutually exclusive options: YES/NO/PARTLY) | | |
| | Countries from where users are visiting the webpage | Subject matter (specific categories for assistance cases) | Rate this procedure (star rating from 1 to 5) – mandatory field | Rate this page (star rating: from 1 to 5) | Rate the service provided (star rating from 1 to 5) | |
| Payload | Type of devices used to visit the webpage | used to visit the business | | Help us improve (open text box) – optional field* | Help us improve (open text box) – optional field* | |
| | | Average response time over a period of 6 months | | | | |
| | Context data | Context data | Context data | Context data | Context data | |
| | | | Additional survey | Additional survey | Additional survey | |
| Frequency | Once per month | Twice per year | Monthly (in bulk) for alternative tool | Monthly (in bulk) for alternative tool | Monthly (in bulk) for alternative tool | |

*NB: The content of the open text box does not need to be provided when the feedback is collected by MS using an alternative feedback tool.

For information services only, MS using the common feedback tool can choose between the form including the open free text and the one without.

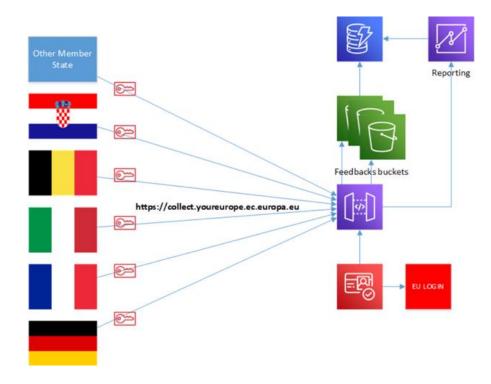
3. API SECURITY AND AUTHENTICATION

Authentication will be provided via an **API Key method** and a temporary secured API Gateway mechanism (the keys are only valid within a session and then expire). Each system environment (Acceptance and Production) has its own API key defined to be used in that environment and they are not interchangeable.

To successfully call API methods, a user must provide "x-api-key" header in the request. Member States will be assigned one security key for the "x-api-key" header and for all the main APIs, which will be used to authenticate the requests.

In case the value of "x-api-key" header provided by the user is correct the response code returned is 200 (OK). In case the key provided by the user is incorrect the response code returned is 403 (Forbidden).

```
Example of providing a header:
{
    'method': 'GET',
    'hostname': 'collect.youreurope.europa.eu',
    'path': '/unique-id',
    'headers': {
        'x-api-key': 'PL8DSJSJkds76nknmvah8YB'
    }
}
```



End-points of data collectors, used to push statistical or feedback data towards the common data repository, will be exposed to the EU and Member States services via a URL, as exposed in the following sections. Data will be stored in a raw data JSON format (Java Script Object Notation) in S3 buckets, to allow aggregation and visualisation on the dashboard.

The management of the keys is ensured by the technical support at the EC.

API keys can be retrieved by users with National Coordinator or Application Manager role through the user interface, under the System settings menu entry.

4. API FOR THE UNIQUE ID

This API has the purpose to generate a Unique ID that must be used when calling one of the other web APIs for transmitting statistical or feedback data for a specific reference period.

Before calling the web APIs to transfer Statistical data or Feedback data, the API for unique ID generation must be called first. The unique ID received in response should then be injected into the specific field in the relevant web API used to transfer a specific payload for a particular reference period. While using the unique ID for every web API call, the following points should be taken in account:

- If any of the web APIs are called to resend the data for a particular reference period for which a given Unique ID was generated, the Unique ID API should not be invoked again.
- Also when the consumer of this web API (i.e. any Member State service) wants to modify the payload already sent and resend it for the same reference period, the same Unique ID should be used again. When the SDG back-office receives JSON file with a given Unique ID already present in the system, it will overwrite the existing file with the new one.
- In case of manual file upload, this unique ID should also be used as file name.

The request and response structure for this API is described in the table below.

| | Request |
|--------------------------------------|---------|
| No parameter required in the request | |

| Response | | | | | |
|-----------|--------|---------------------|--|--|--|
| Parameter | Туре | Required (Yes / No) | Notes | | |
| unique-id | String | Yes | Unique Id to respect to specific reference period for all web APIs | | |

Unique ID generation

Unique ID endpoint URL - PRODUCTION: https://collect.youreurope.europa.eu/v1/unique-id

Unique ID endpoint URL - ACCEPTANCE: https://collect.sdgacceptance.eu/v1/unique-id

To generate a Unique ID required in the payload the Unique ID API must be called using a GET method and as a response it generates the unique id parameter value.

```
{
```

}

```
"name": "Unique ID",
"request": {
    "method": "GET",
    "header": [],
    "url": {
        "raw": ""
    }
},
"response": []
```

5. APIs FOR STATISTICS

Statistics on Information Services

This web API must be used for transferring the statistical data collected on Information services for a specific reference period to SDG common data repository. The reference period for sending this data is one month.

The web API does not allow sending data for multiple reference periods at once keeping the size of the JSON file within the allowed limit of 5 Mb. In case the data for a given reference period is required to be split due to the size limit, or the data for a given reference period required to be modified /

updated, the API should be called multiple times with specific reference period, each one with a different Unique ID.

| | Request | | | | | | |
|-------------------------|---------------------|---------|------------------------|--|--|--|--|
| Parameter | Туре | Version | Required (Yes / No) | Notes | | | |
| informationServiceStats | Object | v2 | Yes | An object representing statistics on information services. | | | |
| uniqueld | string | v2 | Yes | Unique ID for information services statistics submission for a specific reference period received from the UniqueID web API call. | | | |
| referencePeriod | Object | v2 | Yes | Container of the Start Date and End Date of the reference period. | | | |
| startDate | string | v2 | Yes | Start date of the reference period. Expressed in UTC time standard. The format must comply with ISO 8601 date-time profile. E.g.:2020-12-31T23:59:59.00Z (full-dateTfull-timeZ) | | | |
| endDate | string | v2 | Yes | End date of the reference period. Expressed in UTC time standard. The format must comply with ISO 8601 date-time profile. E.g.:2020-12-31T23:59:59.00Z (full-dateTfull-timeZ) | | | |
| transferDate | string | v2 | Yes | Date Time when the web API is called. Expressed in UTC time standard. The format must comply with ISO 8601 date-time profile. E.g.:2020-12-31T23:59:59.00Z (full-dateTfull-timeZ) | | | |
| transferType | String (enum) | v2 | Yes | Transfer type should be used as 'API' to call this web service. | | | |
| nbEntries | integer | v2 | yes | No of total entries including all source URL for which the statistics are sent. | | | |
| Sources | Array of Objects | v2 | Yes | An object representing statistical information about one source URL. Array of objects because a given Reference Period is associated to several URLs. | | | |
| Source | object | v2 | Yes | Object holding the statistical data | | | |
| sourceUrl | string | v2 | Yes | URL for which the statistics is collected. | | | |
| statistics | Objects | v2 | Yes | An object representing the statistical information for one particular source URL. | | | |
| nbVisits | integer | v2 | Yes | Total number of visits to the URL | | | |
| originatingCountry | string | v2 | Yes | This field holds the code of the country from which the visits are originated to the URL, as per ISO-3166 ALPHA 2 standard, except for Greece which should be described using 'EL' | | | |
| deviceType | String (enum) | v2 | Yes | Type of Device used to visit the URL. PC stands for laptop and desktop computers, including Macintosh. Enum: - PC - Tablet - Smartphone - Others | | | |

The request and response structure for the API is described in the table below.

| | Response | |
|------|----------|-------------|
| Code | | Message |
| 200 | | ОК |
| 400 | | Bad request |

To send statistics, first a Unique ID needs to be generated by calling the Unique ID API. The output should be used in the unique id field of the batch payload and also to name the JSON file. The Statistics API needs to be called with a POST method.

End-point URLs and example of payload.

| Service | API endpoint URL | | | |
|--|---|--|--|--|
| Statistics for Information Services PRODUCTION v2 | https://collect.youreurope.europa.eu/v2/statistics/information-services | | | |
| Statistics for Information Services ACCEPTANCE v2 | https://collect.sdgacceptance.eu/v2/statistics/information-services | | | |
| Method | POST | | | |
| Example of payload v2 | | | | |
| { "uniqueId": "94b782bd-f4a4-42f | f-a168-d5d9968257f2-1706043924070", | | | |
| "referencePeriod": { | | | | |
| "startDate": "2023-12-01T00:0 | 0.00 002" | | | |
| "endDate": "2023-12-31T00:00 | | | | |
| }, | | | | |
| "transferDate": "2024-01-10T12:46:55.00Z", | | | | |
| "transferType": "API", | , | | | |
| "nbEntries" : 1, | | | | |
| "sources": [| | | | |
| { | | | | |
| "sourceUrl" : "http ://test: | 123.eu", | | | |
| "statistics": [| | | | |
| { | | | | |
| "deviceType": "PC", | | | | |
| "nbVisits": 5, | | | | |
| "originatingCountry": "JP" | | | | |

}]] }

Statistics on Assistance Services

This web API must be used if the statistical data collected on assistance and problem-solving services cases for a specific reference period is to be transferred to the common data repository in an automated way.

Due to the specific nature of the assistance services, the upload of the statistics is also supported by a Manual upload (CSV file) method and an Online web-form method. In this latter case, the API is not going to be used.

JSON files sent via API should be named the same as the unique ID value received from the Unique ID API.

The reference period for collecting statistics on assistance services cases, both in a manual or automated way, is six month (twice per year). For instance, as of January data related to the second half of the previous year can be uploaded, while as of July, the data related to the first half of the current year can be uploaded.

The web API does not allow sending data for multiple reference period at once keeping the size of the JSON file within the allowed limit of 5 Mb. In case the data for a reference period is required to be split due to the size limit, or the data for a reference period required to be modified/updated, the API should be called multiple times, each one with a different unique ID.

| | Request | | | |
|------------------------|---------|---------|------------------------|---|
| Parameter | Туре | Version | Required (Yes / No) | Notes |
| assistanceServiceStats | Object | v2 | Yes | An object representing statistics on assistance services. |
| uniqueld | string | v2 | Yes | Unique ID for assistance services statistics submission for a specific reference period collected from the Unique ID web API call. |
| referencePeriod | object | v2 | Yes | Container for start date and end date |
| startDate | string | v2 | Yes | Start Date of the reference period. Expressed in UTC time standard. The format must comply with ISO 8601 date-time profile. E.g.:2020-12-31T23:59:59.00Z (full-dateTfull-timeZ) |
| endDate | string | v2 | Yes | End Date of the reference period. Expressed in UTC time standard. The format must comply with ISO 8601 date-time profile. E.g.:2020-12-31T23:59:59.00Z (full-dateTfull-timeZ) |
| transferDate | string | v2 | Yes | Date Time when the web API is called Expressed in UTC time standard. The format must comply with ISO 8601 |

The request and response structure for the API is described in the table below.

| | | | | date-time profile. E.g.:2020-12-31T23:59:59.00Z (full- dateTfull-timeZ) |
|-------------------|---------------------|----|---|---|
| transferType | String (enum) | v2 | Yes | Transfer type should be used as 'API' to call this web service. |
| nbEntries | integer | v2 | Yes | No of total entries including all assistance and problem solving services for which the statistics are sent. |
| Sources | Array of Objects | v2 | Yes | An object representing statistical information about one assistance and problem-solving service. Array of objects because a given Reference Period is associated to several assistance and problem-solving services. |
| source | object | v2 | Yes | Object holding the statistical data |
| serviceId | string | v2 | Yes | Identifier(id) of the assistance and problem-solving service for which the statistics is collected. |
| Statistics | Object | v2 | Yes | An object representing the statistical information for one assistance and problem-solving service. |
| urlStatistics | Array of Objects | v2 | Yes | Array of objects because the same assistance and problem-solving service could have several combination of statistics depending on different values of the more granular fields on which the statistics are collected. |
| nbRequests | integer | v2 | Yes | Total number of requests for the assistance and problem-solving service |
| categoryOfUser | string (enum) | v2 | Yes | Enumeration as "citizen", "business", "business and citizens" |
| | | | | For version v2, a validation should check when the service type has the code NCPCH or ODR, the category of user must be citizen |
| subjectMatter | string (enum) | v2 | Yes | Specific subject matters for an assistance service. The list of subject-matters will be agreed with the assistance services and provided at a later stage. |
| sub-subjectMatter | string (enum) | v2 | Yes (if subject matter has sub- subject matters) | Sub category for the subject matter. The list of sub- subject-matters will be agreed with the assistance services and provided at a later stage. Field should not be included if subject matter has no available sub- subject matter. |
| situationOfUser | string | v2 | Yes | Enumeration as "cross-border", "national" |
| | (enum) | | | For version v2, a validation should check when the subject matter has the code NCP1, NCP2, NCP3 or NCP4 the situation of user must be cross-border |
| | integer | v2 | Yes | average response time, in days |

| | Response | | |
|------|----------|-------------|--|
| Code | | Message | |
| 200 | | ОК | |
| 400 | | Bad request | |

To send statistics, a Unique ID needs to be generated first by calling a Unique ID API. The output should be used as a unique id in batch payload. The Statistics API needs to be called with a POST method.

End-point URLs and example of payload.

| Service | API endpoint URL |
|-----------------------|--|
| Statistics for | |
| Assistance Services | https://collect.youreurope.europa.eu/v2/statistics/assistance-services |
| PRODUCTION v2 | |
| Statistics for | |
| Assistance Services | https://collect.sdgacceptance.eu/v2/statistics/assistance-services |
| ACCEPTANCE v2 | |
| Method | POST |
| Example of payload v2 | |
| { | |
| "uniqueld": "99eb2d0 | 04-a489-4e64-b168-8fe4155de7dd-1705668842444", |
| "referencePeriod": { | |
| "startDate": "2023 | -06-01T00:002", |
| "endDate": "2023-: | 12-31T00:002" |
| }, | |
| "transferDate": "2024 | 4-01-18T00:002", |
| "transferType": "API" | , |
| "nbEntries": 2, | |
| "sources": [| |
| { | |
| "serviceId": "4a6 | 8c53b-1729-43f1-8530-4debb628a179", |
| "statistics": [| |
| { | |
| "nbRequests | 5": 100, |
| "categoryOf | User": "citizen", |
| "subjectMat | ter": "ECC1", |
| "sub-subject | Matter": "d", |
| "situationOf | User": "national", |
| "avgRespon | seTime": 43 |
| } | |
|] | |
| }, | |

```
{
    "serviceId": "d6388309-803e-4358-977e-b999ae8c33a4",
    "statistics": [
        {
            "nbRequests": 100,
            "categoryOfUser": "business and citizens",
            "subjectMatter": "EURES7",
            "situationOfUser": "cross-border",
            "avgResponseTime": 43
        }
    ]
}
```

6. APIS FOR FEEDBACK ON QUALITY

Feedback on Quality First Level Survey

This web API must be used for transferring the data collected about the first level user feedback regarding information services, online procedures or assistance and problem-solving services cases.

The integration with the API is only relevant if the feedback data is collected using an alternative national tool.

If the SDG common user feedback tool is used, there is no need to integrate this API.

The frequency for sending feedback data in bulk is every month, which also means that the reference period to send the data is one month.

Before being sent, the data collected should be mapped to the available fields described in the swagger. This part of mapping must be done at the Member State side, as the data may be different depending on the different tools used.

The web API does not allow sending data for multiple reference period at once keeping the size of the JSON file within the allowed limit of 5 Mb. In case the data for a reference period is required to be split due to the size limit, or the data for a reference period required to be modified / updated, the API should be called multiple times, each one with a different unique ID.

The request and response structure for the API is described in the table below.

| Request | | | | |
|------------------|----------------|------------------------|---|--|
| Parameter | Туре | Required (Yes / No) | Notes | |
| Feedback | object | No | Object holding all the information about a single feedback. The specific REST API path for this object should be used only for SDG Front Office tool. | |
| category | string (enum) | Yes | Enumeration as "Information", "Procedure", "Assistance" | |
| rating | Integer (enum) | Yes | Rating of the service received of the related categories. | |
| source | string | Yes | URL of the source service. In general, the referrer for webpages will be collected automatically. If URL is not present, for instance when collecting feedback about Assistance Services, the identifier of the service in the SDG repository should be used instead and added as the parameter to the URL. | |
| foundInformation | String (enum) | No | This field must be filled in only when the feedback is about Information Services. One of the enumeration ["Yes", "No", "Partly"]. | |
| helpUsImprove | string | No | Additional information received from the end-user in the open text box is mapped to this field. It applies only to the common feedback tool where the open free text field is available. | |
| feedbackBatch | object | No | Container for the feedback data for a reference period. The REST API path related to this object should be used by Member States. | |
| uniqueld | string | yes | Unique ID for feedback submission for a specific reference period received from the Unique ID web API call. | |
| referencePeriod | object | Yes | Container of start date and end date | |
| startDate | string | Yes | Start Date of the reference period. Expressed in UTC time standard. The format must comply with ISO 8601 date-time profile. E.g.:2020-12- 31T23:59:59.00Z (full-dateTfull- timeZ) | |
| endDate | string | Yes | End Date of the reference period. Expressed in UTC time standard. The format must comply with ISO 8601 date-time profile. E.g.:2020-12- 31T23:59:59.00Z (full-dateTfull- timeZ) | |
| transferDate | string | Yes | Date Time when the web API is called. Expressed in UTC time standard. The format must comply | |

| | | | with ISO 8601 date-time profile. E.g.:2020-12-31T23:59:59.00Z (full- dateTfull-timeZ) |
|--------------|------------------|-----|---|
| transferType | String (enum) | yes | Enumeration as "API", "Manual". Transfer type should always be as 'API' to call this web service. |
| nbEntries | integer | Yes | No of total entries including all services for which the feedback is sent. |
| feedbacks | Array of Objects | yes | An object representing the feedback for different source services. This object internally refers to the object 'feedback'. |

| Response | | |
|----------|-------------|--|
| Code | Message | |
| 200 | ОК | |
| 400 | Bad request | |

This API can be used for transferring the data collected in the first level user feedback regarding information services, online procedures or assistance and problem-solving services cases.

To send feedback data in bulk, a Unique ID needs to be generated first by calling a Unique ID API. The output should be used as a unique ID in the batch payload and to name the JSON file. The Feedback API needs to be called with a POST method.

End-point URLs and example of payload.

| Service | API endpoint URL | | | |
|----------------------|--|--|--|--|
| Information Services | | | | |
| 1st level feedback | https://collect.youreurope.europa.eu/v1/feedback/quality/batch | | | |
| PRODUCTION | | | | |
| Information Services | | | | |
| 1st level feedback | https://collect.sdgacceptance.eu/v1/feedback/quality/batch | | | |
| ACCEPTANCE | | | | |
| Method | POST | | | |
| | Example of payload | | | |

```
{
    "uniqueId": "eb9566db-a7f8-4da5-a66f-6a07c2bc31ed-1706025088956",
    "referencePeriod": {
        "startDate": "2012-09-27T00:00:00.00Z",
        "endDate": "2016-09-27T00:00:00.00Z"
   },
    "transferDate": "2024-01-24T00:00:00.00Z",
    "transferType": "API",
    "nbEntries": 2,
    "feedbacks": [
                          {
            "source": "http://reffererdomain.org/assistance-services/survey",
            "category": "Information",
            "rating": 3,
            "foundInformation": "Partly",
            "helpUsImprove": "feedback with free text"
       },
        {
            "source": "http://referrerdomain.org/assistance-services/survey",
            "category": "Information",
            "rating": 3,
            "foundInformation": "Partly"
       }
    ]
}
```

| Service | API endpoint URL |
|--------------------|--|
| Online Procedure | |
| 1st level feedback | https://collect.youreurope.europa.eu/v1/feedback/quality/batch |
| PRODUCTION | |
| Online Procedure | |
| 1st level feedback | https://collect.sdgacceptance.eu/v1/feedback/quality/batch |
| ACCEPTANCE | |
| <u>Method</u> | POST |

```
Example of payload
```

```
{
    "uniqueId": "eb9566db-a7f8-4da5-a66f-6a07c2bc31ed-1706025088956",
    "referencePeriod": {
        "startDate": "2012-09-27T00:00:00.00Z",
        "endDate": "2016-09-27T00:00:00.00Z"
    },
    "transferDate": "2024-01-24T00:00:00.00Z",
    "transferType": "API",
    "nbEntries": 2,
    "feedbacks": [
                          {
            "source": "http://referrerdomain.org/assistance-services/survey",
            "category": "Procedure",
            "rating": 1,
            "helpUsImprove": "feedback with free text"
        },
        {
            "source": "http://referrerdomain.org/assistance-services/survey",
            "category": "Procedure",
            "rating": 1
        }
    ]
}
```

| Service | API endpoint URL |
|---------------------------|--|
| Assistance Services | |
| <u>1st level feedback</u> | https://collect.youreurope.europa.eu/v1/feedback/quality/batch |
| PRODUCTION | |
| Assistance Services | |
| <u>1st level feedback</u> | https://collect.sdgacceptance.eu/v1/feedback/quality/batch |
| ACCEPTANCE | |

```
POST
          Method
                                 Example of payload
{
    "uniqueId": "eb9566db-a7f8-4da5-a66f-6a07c2bc31ed-1706025088956",
    "referencePeriod": {
        "startDate": "2012-09-27T00:00:00.00Z",
        "endDate": "2016-09-27T00:00:00.00Z"
    },
    "transferDate": "2024-01-24T00:00:00.00Z",
    "transferType": "API",
    "nbEntries": 2,
    "feedbacks": [
                           {
            "source": "http://referrerdomain.org/assistance-
services/survey?id=123",
            "rating": 1,
            "category": "Assistance"
        },
        {
            "source": "http://referrerdomain.org/assistance-
services/survey?id=123",
            "rating": 2,
            "category": "Assistance"
        }
    ]
}
```

Feedback on Quality Second Level Survey

The second level feedback survey can be accessed in two ways:

- The end-user fills up the first level user feedback via the common user feedback tool or an alternative national tool and clicks on 'Submit feedback'. Following the successful submission, a "Thank You" page is displayed providing the link to the second level survey.
- 2) Through the provided link, the end-user can directly open the second level survey form and fill it in.

As for the first level user feedback, an API can be called to data. If called from the common feedback tool, a single instance of feedback is sent in one call. If the API is called from a national service, it is used to send second level feedback in bulk, potentially for different URLs collectively, for a specific

reference period. For Member States the reference period to send the second level feedback data is one month.

The questions included in the second level survey for the different types of services is presented in the following tables. When mapping the answers to the web API, the abbreviations of the questions should be properly maintained as described in the swaggers itself.

| Questions | Answers |
|--|--------------------------|
| Was the information accurate? | (star rating from 1 to 5 |
| Was the information comprehensive enough? | (star rating from 1 to 5 |
| Was the language easy to understand? | (star rating from 1 to 5 |
| Was the date of the last update (publication) indicated on the page? | YES/NO/I do not know |
| Was the name of the authority responsible for the content published on the page? | YES/NO/I do not know |
| Did the page include references, links to legal acts? | YES/NO/not relevant |
| Was the information available in English? | YES/NO/I do not know |

User survey for detailed feedback on information

User survey for detailed feedback on cross-border accessibility of an online procedure

| Questions | Answers |
|--|---------------------------------|
| Were the instructions for completing the procedure available in English? | YES/NO/I do not know |
| Was it easy to fill in the form? | (star rating from 1 to 5) |
| Were you able to use your national eID or eSignature? | YES/NO/not applicable |
| Could you upload any documents required in electronic format? | YES/NO/partly/not applicable |
| Were you able to pay any fees online? | (YES/NO/not applicable |

User survey for detailed feedback on an assistance or problem solving service

| Question | Answers |
|--|---------------------------|
| Was it made clear enough to you in advance what you could expect from the service offered? | (star rating from 1 to 5) |
| How easy was it to submit your request? | (star rating from 1 to 5) |
| Was your request handled within the indicated time frame? | (star rating from 1 to 5) |
| Were you informed about any delays? | (YES/NO/not applicable) |
| Were you able to pay online for the service? | (YES/NO/not applicable) |

The request and response structure for the API is described in the table below.

| Request | | | |
|-----------|------|------------------------|-------|
| Parameter | Туре | Required (Yes / No) | Notes |

| Components | Object | No | Object holding Definition of parameters. Not for mapping. |
|-------------------------------|------------------|-----|--|
| Rating | Integer | No | User rating from 1 (worst) to 5 (best) or empty (""). |
| yesNoUnknown | String (enum) | No | enum: |
| | | | - Yes |
| | | | - No |
| | | | - I do not know |
| yesNoNotRelevant | String (enum) | No | enum: |
| | | | - Yes |
| | | | - No |
| | String (any ma) | Nie | - Not relevant |
| yesNoNotApplicable | String (enum) | No | enum: - Yes |
| | | | - Tes - No |
| | | | - Not applicable |
| yesNoPartlyNotApplicable | String (enum) | No | enum: |
| yeshol al tiyhotApplicable | String (chun) | NO | - Yes |
| | | | - No |
| | | | - Partly |
| | | | - Not applicable |
| feedbackBatch | Object | No | Container for the feedback data for a reference |
| | , | _ | period. The REST API path related to this object |
| | | | should be used by Member States. |
| uniquald | String | Vac | Unique ID for foodback submission for a specific |
| uniqueId | String | Yes | Unique ID for feedback submission for a specific reference period collected from the Unique ID |
| | | | web API call. |
| | | | |
| referencePeriod | Object | Yes | Container for start date and end date |
| startDate | String | Yes | Start Date of the reference period. Expressed in |
| | | | UTC time standard. The format must comply with |
| | | | ISO 8601 date-time profile. E.g.:2020-12- |
| | | | 31T23:59:59.00Z (full-dateTfull-timeZ) |
| endDate | String | Yes | End Date of the reference period. Expressed in |
| | | | UTC time standard. The format must comply with |
| | | | ISO 8601 date-time profile. E.g.:2020-12- |
| | | | 31T23:59:59.00Z (full-dateTfull-timeZ) |
| transferDate | String | Yes | Date Time when the web API is called. Expressed |
| | | | in UTC time standard. The format must comply |
| | | | with ISO 8601 date-time profile. E.g.:2020-12- |
| | | | 31T23:59:59.00Z (full-dateTfull-timeZ) |
| han a fa a T ana a | Chains a (annum) | | |
| transferType | String (enum) | yes | Enumeration as "API", "Manual". Transfer type |
| | | | should be always as 'API' to call this web service. |
| nbEntries | Intiger | Yes | No of total entries including all source URL for |
| | | | which the statistics are sent. |
| Feedbacks | Array of Objects | yes | An object representing the feedback for different |
| | | yes | source URLs. This object internally refers to the |
| | | | object 'feedback'. |
| Foodback | Ohioat | No | Object holding all the information about a similar |
| Feedback | Object | No | Object holding all the information about a single |
| | | | feedback. The specific REST API path for this object should be used only for SDG Front Office |
| | | | tool. |
| | | | |
| Source | String | Yes | The URL of the webpage |

| Survey | Object | Yes | Container of the answers of different questions. It |
|------------------------|--------|-----|---|
| ourrey | | | hold three mutually exclusive objects; |
| | | | - informationSurvey |
| | | | - assistanceSurvey |
| | | | - procedureSurvey |
| | | | |
| assistanceSurvey | Object | No | Object holding all the answers for the questions |
| | | | related to Assistance services |
| clearOffer | Object | Yes | \$ref: '#/components/schemas/rating |
| Easiness | Object | Yes | \$ref: '#/components/schemas/rating' |
| Responsiveness | Object | Yes | \$ref: '#/components/schemas/rating' |
| • | | | |
| Delays | Object | Yes | <pre>\$ref:'#/components/schemas/yesNoNotApplicab</pre> |
| Delays | Object | 103 | le' |
| onlinePayment | Object | Yes | \$ref:'#/components/schemas/yesNoNotApplicab |
| , | | | le' |
| procedureSurvey | Object | No | Object holding all the answers for the questions |
| | | | related to Online Procedures |
| complianceEvidence | Object | Yes | \$ref: |
| | | | '#/components/schemas/yesNoPartlyNotApplica |
| | | | ble' |
| | | | |
| Easiness | Object | Yes | <pre>\$ref: '#/components/schemas/rating'</pre> |
| | | | |
| englishAvailability | Object | Yes | <pre>\$ref: '#/components/schemas/yesNoUnknown'</pre> |
| | | | |
| nationalAuthentication | Object | Yes | <pre>\$ref:</pre> |
| | | | #/components/schemas/reshonotApplicable |
| onlinePayment | Object | Yes | \$ref: |
| | | | '#/components/schemas/yesNoNotApplicable' |
| | | | |
| informationSurvey | Object | No | Object holding all the answers for the questions |
| | | | related to Information Services |
| Accuracy | Object | Yes | \$ref: '#/components/schemas/rating' |
| | | | |
| Clarity | Object | Yes | \$ref: '#/components/schemas/rating' |
| | | | |
| Comprehensiveness | Object | Yes | \$ref: '#/components/schemas/rating' |
| | | | |
| easyFinding | Object | Yes | \$ref: '#/components/schemas/rating' |
| | | | |
| englishAvailability | Object | Yes | \$ref: '#/components/schemas/yesNoUnknown' |
| | | | |
| lastUpdate | Object | Yes | \$ref: '#/components/schemas/yesNoUnknown' |
| | | | |
| legalActs | Object | Yes | \$ref: |
| - | | | '#/components/schemas/yesNoNotRelevant' |

| Ownership | Object | Yes | \$ref: '#/components/schemas/yesNoUnknown' | |
|------------------|---------------|-----|---|--|
| Structure | Object | Yes | \$ref: '#/components/schemas/rating' | |
| UpToDate | Object | Yes | <pre>\$ref: '#/components/schemas/rating'</pre> | |
| userFriendliness | Object | Yes | \$ref: '#/components/schemas/rating' | |
| Category | String (enum) | No | Enumeration as "Information", "Procedure", "Assistance" | |

| Response | | |
|----------|-------------|--|
| Code | Message | |
| 200 | ОК | |
| 400 | Bad request | |

End-point URLs and example of payload.

| Service | API endpoint URL | | | |
|---|---|--|--|--|
| Information Services | | | | |
| 2 nd level survey | https://collect.youreurope.europa.eu/v1/feedback/quality/survey/batch | | | |
| PRODUCTION | | | | |
| Information Services | | | | |
| 2 nd level survey | https://collect.sdgacceptance.eu/v1/feedback/quality/survey/batch | | | |
| ACCEPTANCE | | | | |
| Method | POST | | | |
| | Example of payload | | | |
| { | | | | |
| "uniqueId": "eb956 | "uniqueId": "eb9566db-a7f8-4da5-a66f-6a07c2bc31ed-1706025088956", | | | |
| "referencePeriod": { | | | | |
| "startDate": "2012-09-27T00:00:00.00Z", | | | | |
| "endDate": "2016-09-27T00:00:00.00Z" | | | | |
| }, | | | | |
| "transferDate": "2 | "transferDate": "2024-01-24T00:00.002", | | | |

```
"transferType": "API",
    "nbEntries": 2,
    "feedbacks": [
                          {
            "source": "http://referrerdomain.org/information-services/survey-long",
            "category": "Information",
            "survey": {
                "userFriendliness": 1,
                "accuracy": 1,
                "comprehensiveness": 1,
                "clarity": 1,
                "easyFinding": 1,
                "structure": 1,
                "upToDate": 1,
                "lastUpdate": "Yes",
                "ownership": "Yes",
                "legalActs": "Yes",
                "englishAvailability": "Yes"
            }
        },
        {
            "source": "http://referrerdomain.org/information-services/survey-long",
            "category": "Information",
            "survey": {
                "userFriendliness": 1,
                "accuracy": 1,
                "comprehensiveness": 1,
                "clarity": 1,
                "easyFinding": 1,
                "structure": 1,
                "upToDate": 1,
                "lastUpdate": "Yes",
                "ownership": "Yes",
                "legalActs": "Yes",
                "englishAvailability": "Yes"
            }
        }
    ]
}
```

```
Service
                                               API endpoint URL
   Online Procedure
    2nd level survey
                       https://collect.youreurope.europa.eu/v1/feedback/quality/survey/batch
    PRODUCTION
   Online Procedure
    2nd level survey
                       https://collect.sdgacceptance.eu/v1/feedback/quality/survey/batch
    ACCEPTANCE
                       POST
       Method
                                   Example of payload
{
    "uniqueId": "eb9566db-a7f8-4da5-a66f-6a07c2bc31ed-1706025088956",
    "referencePeriod": {
        "startDate": "2012-09-27T00:00:00.00Z",
        "endDate": "2016-09-27T00:00:00.00Z"
    },
    "transferDate": "2024-01-24T00:00:00.00Z",
    "transferType": "API",
    "nbEntries": 2,
    "feedbacks": [
                            {
             "source": "http://referrerdomain.org/online-procedures/survey-long",
             "category": "Procedure",
             "survey": {
                 "englishAvailability": "Yes",
                 "easiness": 1,
                 "nationalAuthentication": "Yes",
                 "complianceEvidence": "Yes",
                 "onlinePayment": "Yes"
             }
        },
        {
```

```
"source": "http://referrerdomain.org/online-procedures/survey-long",
    "category": "Procedure",
    "survey": {
        "englishAvailability": "Yes",
        "easiness": 1,
        "nationalAuthentication": "Yes",
        "complianceEvidence": "Yes",
        "onlinePayment": "Yes"
    }
    }
}
```

| Service | API endpoint URL | | | |
|--|---|--|--|--|
| Assistance Services | | | | |
| 2nd level survey | https://collect.youreurope.europa.eu/v1/feedback/quality/survey/batch | | | |
| PRODUCTION | | | | |
| Assistance Services | | | | |
| 2nd level survey | https://collect.sdgacceptance.eu/v1/feedback/quality/survey/batch | | | |
| ACCEPTANCE | | | | |
| Method | POST | | | |
| | Example of payload | | | |
| { | | | | |
| "uniqueId": "eb9 | 566db-a7f8-4da5-a66f-6a07c2bc31ed-1706025088956", | | | |
| "referencePeriod | ": { | | | |
| "startDate": "2012-09-27T00:00:00.00Z", | | | | |
| "endDate": "2016-09-27T00:00.00Z" | | | | |
| }, | | | | |
| "transferDate": "2024-01-24T00:00:00.00Z", | | | | |
| "transferType": | "transferType": "API", | | | |

```
"nbEntries": 2,
    "feedbacks": [
                           {
            "source": "http://referrerdomain.org/assistance-services/survey-
long?id=123",
            "category": "Assistance",
            "survey": {
                "clearOffer": 1,
                "easiness": 1,
                "responsiveness": 1,
                "delays": "Yes",
                "onlinePayment": "Yes"
            }
        },
        {
            "source": "http://referrerdomain.org/assistance-services/survey-
long?id=123",
            "category": "Assistance",
            "survey": {
                "clearOffer": 1,
                "easiness": 1,
                "responsiveness": 1,
                "delays": "Yes",
                "onlinePayment": "Yes"
            }
        }
    1
}
```

7. JSON FILES NAMING CONVENTION

It is strongly recommended to assign JSON files a name equal to the value of the unique ID used to transmit the files through the API. This would make easier searching for a given file in the history log.

Example:

UniqueID used to send the file: ab87622f-81f5-44e1-8e36-8c819d360509-1622434496526

File name: ab87622f-81f5-44e1-8e36-8c819d360509-1622434496526.json

8. SDG APIS ERROR CODES

Error codes common for all APIs:

| Status code | Error message | Action |
|-------------|--|-------------------------------------|
| 403 | Forbidden | Check if URL is valid |
| 403 | Missing Authentication Token | Check if URL is valid |
| 403 | User is not authorized to access this resource with an explicit deny | Check APIkey provided in headers |
| 401 | Unauthorized | Please provide x-api-key in headers |

Error codes common for statistic APIs

| Status code | Error message | Action |
|-------------|--|--|
| 400 | Bad request: invalid request, you are missing the parameter body | Request is missing body |
| 400 | Bad request: uniqueld is required | Request body needs to have uniqueld parameter |
| 400 | Bad request: referencePeriod is required | Request body needs to have referencePeriod parameter |
| 400 | Bad request: transferDate is required | Request body needs to have transferDate parameter |
| 400 | Bad request: nbEntries is required | Request body needs to have nbEntries parameter |
| 400 | Bad request: sources is required | Request body needs to have sources parameter |
| 400 | Bad request: transferType is required | Request body needs to have transferType parameter |
| 400 | Bad request: uniqueld is not string | uniqueld parameter needs to be string e.g. "ab2c" |
| 400 | Bad request: transferDate is not a valid ISO date time | transferDate needs to be in valid iso format e.g. "2020-08-06T14:10:50Z" |
| 400 | Bad request: nbEntries is not integer | nbEntries needs to be a number e.g. 7 |
| 400 | Bad request: startDate is required | Reference period needs to be an object and have startDate parameter |
| 400 | Bad request: startDate is not a valid ISO date time | startDate needs to be in valid iso format e.g. "2020-08-06T14:10:50Z" |
| 400 | Bad request: endDate is required | Reference period needs to be an object and have endDate parameter |

| Bad request: endDate is not a valid ISO date time | endDate needs to be in valid iso format e.g. "2020-08-06T14:10:50Z" |
|---|--|
| Bad request: sources is not an array | sources parameter needs to be an array |
| Bad request: received x sources instead of expected y | Number of elements in sources array and number in nbEntries do not match. Modyfing nbEntries to match expected number will fix error. |
| Bad request: sourceURL is required | At least one of the sources does not have parameter sourceURL |
| Bad request: statistics is required | At least one of the sources does not have parameter statistics |
| Bad request: statistics is not an array | statistics parameter needs to be an array |
| Bad request: transferType (x) is outside of allowed range (API,Manual) | transferType parameter needs to be set to "API" or "Manual" |
| Bad request: Unexpected fields found:x | Request has parameter x not included in specification, remove parameter x |
| Bad request: transferDate is in the future | transferDate cannot be set to future date |
| Bad request: startDate is in the future | startDate cannot be set to future date |
| Bad request: endDate is in the future | endDate cannot be set to future date |
| Bad request: Start-date must be the first day of the month | Start-date must be the first day of the month |
| | Start Date: "2023-02-01T18:00:00.000Z" |
| Bad request: End-date must be the last day of the same month as start-date | End-date must be the last day of the same month as start-date |
| | End Date: "2023-02-28T18:00:00.000Z" |
| | time Bad request: sources is not an array Bad request: received x sources instead of expected y Bad request: sourceURL is required Bad request: statistics is required Bad request: statistics is not an array Bad request: transferType (x) is outside of allowed range (API,Manual) Bad request: Unexpected fields found:x Bad request: transferDate is in the future Bad request: startDate is in the future Bad request: endDate is in the future Bad request: Start-date must be the first day of the month Bad request: End-date must be the last day |

Assistant Service Statistic API specific errors

| Status code | Error message | Action |
|----------------|---|--|
| 400 | Bad request: nbRequests is required | At least one statistic object does not have nbRequests parameter |
| 400 | Bad request: categoryOfUser is required | At least one statistic object does not have categoryOfUser parameter |
| 400 | Bad request: subjectMatter is required | At least one statistic object does not have subjectMatter parameter |

| 400 | Bad request: situationOfUser is required | At least one statistic object does not have situationOfUser parameter |
|-----|---|---|
| 400 | Bad request: avgResponseTime is required | At least one statistic object does not have avgResponseTime parameter |
| 400 | Bad request: nbRequests is not integer | nbRequests needs to be a number e.g. 7 |
| 400 | Bad request: categoryOfUser (x) is outside of allowed range (citizen, business) | categoryOfUser was set to x instead of allowed "citizen" or "business" |
| 400 | Bad request: situationOfUser (x) is outside of allowed range (cross-border, national) | situationOfUser was set to x instead of allowed "cross-border" or "national" |
| 400 | Bad request: subjectMatter (x) is outside of allowed range (Filling in online form/application or follow-up of the application,Start up a business (including company) registration),Business operation (permits, authorisations, notifications),Social security, relations employer/employee,Taxation,Business termination/liquidation,Regulated professions,Functioning of e-services) | subjectMatter was set to x instead of allowed values stated in message e.g. "Functioning of e-services" |
| 400 | Bad request: avgResponseTime is not integer | avgResponseTime needs to be a number e.g. 7 |
| 400 | Bad request: sub-subjectMatter is required | For stated subjectMatter sub- subjectMatter is required |
| 400 | Bad request: sub-subjectMatter (x) is outside of allowed range (Business services,Construction,Culture,Sport,Tourism, Hotel, restaurant, cafes,Training and education,Retail and wholesale,Customs services,Rental services,Real estate) | sub-subjectMatter was set to x instead of allowed values stated in message e.g. "Real estate" |

Information services statistic specific API

| Status code | Error message | Action |
|----------------|---|--|
| 400 | Bad request: nbVisits is required | At least one statistic object does not have nbVisits parameter |
| 400 | Bad request: originatingCountry is required | At least one statistic object does not have originatingCountry parameter |
| 400 | Bad request: deviceType is required | At least one statistic object does not have deviceType parameter |
| 400 | Bad request: deviceType (x) is outside of allowed range (PC,Tablet,Smartphone,Others) | deviceType was set to x instead of allowed "PC", "Tablet", "Smartphone", "Others" |

| 400 Bad request: nbVisits is not integer nbVisits needs to be a number of | .g. 7 |
|---|-------|
|---|-------|

Errors for Feedback on quality API

| Status code | Error message | Action |
|----------------|---|--|
| 400 | Bad request: invalid request, you are missing the parameter body | Request is missing body |
| 400 | Bad request: source is required | Request body needs to have source parameter |
| 400 | Bad request: source is not a valid URL | Source should be a valid URL |
| 400 | Bad request: category is required | Request body needs to have category parameter |
| 400 | Bad request: category (x) is outside of allowedrange(Information,Procedure,Assistance) | category was set to x instead of allowed "Information", "Procedure" or "Assistance" |
| 400 | Bad request: rating is required | Request body needs to have rating parameter |
| 400 | Bad request: rating is not integer | rating needs to be a number e.g. 7 |
| 400 | Bad request: foundInformation is required | Request body needs to have foundInformation parameter |
| 400 | Bad request: foundInformation (x) is outside of allowed range (,Yes,No,Partly) | foundInformation was set to x instead of allowed values stated in message e.g. "Yes" |
| 400 | Bad request: helpUsImprove is not string | helpUsImprove parameter needs to be string e.g. "ab2c" |

Errors for Feedback on quality in bulk API

| Status code | Error message | Action |
|----------------|--|---|
| 400 | Bad request: invalid request, you are missing the parameter body | Request is missing body |
| 400 | Bad request: uniqueld is required | Request body needs to have uniqueld parameter |
| 400 | Bad request: uniqueld is not string | uniqueld parameter needs to be string e.g. "ab2c" |
| 400 | Bad request: referencePeriod is required | Request body needs to have referencePeriod parameter |
| 400 | Bad request: referencePeriod.startDate is required | Reference period needs to be an object and have startDate parameter |

| 400 | Bad request: referencePeriod.startDate is not a valid ISO date time | startDate needs to be in valid iso format e.g. "2020-08-06T14:10:50Z" |
|-----|--|--|
| 400 | Bad request: referencePeriod.endDate is required | Reference period needs to be an object and have endDate parameter |
| 400 | Bad request: referencePeriod.endDate is not a valid ISO date time | endDate needs to be in valid iso format e.g. "2020-08-06T14:10:50Z" |
| 400 | Bad request: transferDate is required | Request body needs to have transferDate parameter |
| 400 | Bad request: transferDate is not a valid ISO date time | transferDate needs to be in valid iso format e.g. "2020-08-06T14:10:50Z" |
| 400 | Bad request: transferType is required | Request body needs to have transferType parameter |
| 400 | Bad request: transferType (x) is outside of allowed range (API,Manual) | transferType parameter needs to be set to "API" or "Manual" |
| 400 | Bad request: nbEntries is required | Request body needs to have nbEntries parameter |
| 400 | Bad request: nbEntries is not integer | nbEntries needs to be a number e.g. 7 |
| 400 | Bad request: feedbacks is required | Request body needs to have feedbacks parameter |
| 400 | Bad request: feedbacks is not an array | feedbacks parameter needs to be an array |
| 400 | Bad request: received x sources instead of expected y | Number of elements in sources array and number in nbEntries do not match. Modyfing nbEntries to match expected number will fix error. |
| 400 | Bad request: feedbacks[x].source is required | Feedback number x needs to have source parameter |
| 400 | Bad request: feedbacks[x].source is not a valid URL | Feedback number x has source that should be a valid URL |
| 400 | Bad request: feedbacks[x].category is required | Feedback number x needs to have category parameter |
| 400 | Bad request: feedbacks[x].category (y) is outside of allowed range (Information,Procedure,Assistance) | In feedback number x category was set to y instead of allowed "Information", "Procedure" or "Assistance" |
| 400 | Bad request: feedbacks[x].rating is required | Feedback number x needs to have rating parameter |
| 400 | Bad request: feedbacks[x].rating is not integer | In feedback number x rating needs to be a number e.g. 7 |
| 400 | Bad request: feedbacks[x].category (y) is outside of allowed range (Information,Procedure,Assistance)Bad request: feedbacks[x].rating is requiredBad request: feedbacks[x].rating is not | In feedback number x category was set to y instead of allowed "Information", "Procedure" or "Assistance" Feedback number x needs to have rating parameter In feedback number x rating needs to be a |

Errors for Feedback survey API

| Status code | Error message | Action |
|----------------|--|--|
| 400 | Bad request: invalid request, you are missing the parameter body | Request is missing body |
| 400 | Bad request: source is required | Request body needs to have source parameter |
| 400 | Bad request: source is not a valid URL | Source should be a valid URL |
| 400 | Bad request: category is required | Request body needs to have category parameter |
| 400 | Bad request: category (x) is outside of allowed range (Information, Procedure, Assistance) | category was set to x instead of allowed "Information", "Procedure" or "Assistance" |
| 400 | Bad request: survey is required | Request body needs to have survey parameter |
| 400 | Bad request: survey.englishAvailability is required | survey needs to be an object and have englishAvailability parameter |
| 400 | Bad request: englishAvailability (x) is outside of allowed range (,Yes,No,Partly) | englishAvailability was set to x instead of allowed values stated in message e.g. "Yes" |
| 400 | Bad request: survey.easiness is required | survey needs to be an object and have easiness parameter |
| 400 | Bad request: survey.easiness (x) is outside of allowed range (,1,2,3,4,5) | englishAvailability was set to x instead of allowed values stated in message e.g. 1 |
| 400 | Bad request: survey.nationalAuthentication is required | survey needs to be an object and have nationalAuthentication parameter |
| 400 | Bad request: survey.nationalAuthentication (x) is outside of allowed range (,Yes,No,Not applicable) | nationalAuthentication was set to x instead of allowed values stated in message e.g. "Yes" |
| 400 | Bad request: survey.complianceEvidence is required | survey needs to be an object and have complianceEvidence parameter |
| 400 | Bad request: survey.complianceEvidence (x) is outside of allowed range (,Yes,No,Partly,Not applicable) | complianceEvidence was set to x instead of allowed values stated in message e.g. "Yes" |
| 400 | Bad request: survey.onlinePayment is required | survey needs to be an object and have onlinePayment parameter |
| 400 | Bad request: survey.onlinePayment (x) is outside of allowed range (,Yes,No,Not applicable) | onlinePayment was set to x instead of allowed values stated in message e.g. "Yes |

Errors for Feedback on quality survey in bulk API

| Status code | Error message | Action |
|----------------|---|--|
| 400 | Bad request: invalid request, you are missing the parameter body | Request is missing body |
| 400 | Bad request: uniqueld is required | Request body needs to have uniqueld parameter |
| 400 | Bad request: uniqueld is not string | uniqueld parameter needs to be string e.g. "ab2c" |
| 400 | Bad request: referencePeriod is required | Request body needs to have referencePeriod parameter |
| 400 | Bad request: referencePeriod.startDate is required | Reference period needs to be an object and have startDate parameter |
| 400 | Bad request: referencePeriod.startDate is not a valid ISO date time | startDate needs to be in valid iso format e.g. "2020-08-06T14:10:50Z" |
| 400 | Bad request: referencePeriod.endDate is required | Reference period needs to be an object and have endDate parameter |
| 400 | Bad request: referencePeriod.endDate is not a valid ISO date time | endDate needs to be in valid iso format e.g. "2020-08-06T14:10:50Z" |
| 400 | Bad request: transferDate is required | Request body needs to have transferDate parameter |
| 400 | Bad request: transferDate is not a valid ISO date time | transferDate needs to be in valid iso format e.g. "2020-08-06T14:10:50Z" |
| 400 | Bad request: transferType is required | Request body needs to have transferType parameter |
| 400 | Bad request: transferType (x) is outside of allowed range (API, Manual) | transferType parameter needs to be set to "API" or "Manual" |
| 400 | Bad request: nbEntries is required | Request body needs to have nbEntries parameter |
| 400 | Bad request: nbEntries is not integer | nbEntries needs to be a number e.g. 7 |
| 400 | Bad request: feedbacks is required | Request body needs to have feedbacks parameter |
| 400 | Bad request: feedbacks is not an array | feedbacks parameter needs to be an array |
| 400 | Bad request: received x sources instead of expected y | Number of elements in sources array and number in nbEntries do not match. Modyfing nbEntries to match expected number will fix error. |
| 400 | Bad request: feedbacks[x].source is required | Feedback number x needs to have source parameter |
| 400 | Bad request: feedbacks[x].source is not a valid URL | Feedback number x has source that should be a valid URL |

| 400 | Bad request: feedbacks[x].category is required | Feedback number x needs to have category parameter |
|-----|--|--|
| 400 | Bad request: feedbacks[x].category (y) is outsideofallowedrange(Information,Procedure,Assistance) | In feedback number x category was set to y instead of allowed "Information", "Procedure" or "Assistance" |
| 400 | Bad request: feedbacks[x].survey is required | Feedback number x needs to have survey parameter |
| 400 | Badrequest:feedbacks[x].survey.englishAvailabilityisrequired | Feedback number x survey needs to be an object and have englishAvailability parameter |
| 400 | Bad request: feedbacks[x].survey.englishAvailability (y) is outside of allowed range (,Yes,No,Partly) | Feedback number x survey's englishAvailability was set to y instead of allowed values stated in message e.g. "Yes" |
| 400 | Bad request: feedbacks[x].survey.easiness is required | Feedback number x survey needs to be an object and have easiness parameter |
| 400 | Bad request: feedbacks[x].survey.easiness (y) is outside of allowed range (,1,2,3,4,5) | Feedback number x survey's englishAvailability was set to y instead of allowed values stated in message e.g. 1 |
| 400 | Bad request: feedbacks[x].survey.nationalAuthentication is required | Feedback number x survey needs to be an object and have nationalAuthentication parameter |
| 400 | Badrequest:feedbacks[x].survey.nationalAuthentication(y)is outside of allowed range(,Yes,No,Notapplicable) | Feedback number x survey's nationalAuthentication was set to y instead of allowed values stated in message e.g. "Yes" |
| 400 | Badrequest:feedbacks[x].survey.complianceEvidenceisrequired | Feedback number x survey needs to be an object and have complianceEvidence parameter |
| 400 | Bad request: feedbacks[x].survey.complianceEvidence (y) is outside of allowed range (,Yes,No,Partly,Not applicable) | Feedback number x survey's complianceEvidence was set to y instead of allowed values stated in message e.g. "Yes" |
| 400 | Bad request: feedbacks[x].survey.onlinePayment is required | Feedback number x survey needs to be an object and have onlinePayment parameter |
| 400 | Bad request: feedbacks[x].survey.onlinePayment (y) is outside of allowed range (,Yes,No,Not applicable) | Feedback number x survey's onlinePayment was set to y instead of allowed values stated in message e.g. "Yes |

9. SWAGGER FILES

In the <u>zip</u> file you can find :

| Unique ID swagger | unique-id.yml |
|---|-------------------------------|
| Statistics on Information Services swagger v2 | statistics-information-v2.yml |
| Statistics on Assistance Services swagger v2 | statistics-assistance-v2.yml |
| Feedback on Quality – 1st level swagger | feedback-quality.yml |
| Feedback on Quality – 2nd level swagger | feedback-quality-survey.yml |
| Assistance Services – Subject matters | subjects-matters.json |