



Swiss Bank Master API v3

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Chapter 1. Overview

The Swiss Bank Master API allows to access master data required for electronic payments in Switzerland. All participants connected to the Swiss payment systems SIC and euroSIC are listed. The data is centrally administered by SIX Interbank Clearing, updated daily and published in various electronic formats.

All the details published through the Swiss Bank Master API are based on information provided by the respective banks/institutions.

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1.1. Changes to Swiss Bank Master API v2

- As the IID type "3=Branch" is no longer published, V3 lists about 50% less entries than V2.1.
- QR-IIDs are flagged with a dedicated IID type.
- The record contains an indication on what day the data is valid.
- Only the domicile address is shown, the postal address was removed. The data follows the structured address pattern used by ISO-20022 messages.
- Outdated field (e.g. postal account number/fax) are removed.
- Participation in services/systems is separated by distinct flags.
- Mandatory/optional (Ma/Op) applies only if Field "Concatenation" is set to "N".
- If "Concatenation" is set to "Y" only the fields "IID/QR-IID", "Valid On", "Concatenation" and "New IID/QR-IID" contain values, all others fields are empty. It is recommended to change a concatenated IID/QR-IID immediately.

1.2. ChangeLog

- Added explicit HEAD method declarations to all endpoints to support downloads that require this.

1.3. Version information

Version : 3.0 (generated 2023-11-13T09:35:56Z)

1.4. Contact information

Contact : SIX Interbank Clearing

Contact Email : operations.sic@six-group.com

1.5. URI scheme

Host : api.six-group.com

BasePath : /api/epcd/v3

Schemes : HTTPS

1.6. Tags

- bankmaster : **Bankmaster API**

All public REST endpoints of the bank master data are located here, such as the bank master data as JSON and downloadable files.

- healthcheck : **System Healthcheck**

This allows to check the basic state of the API (can it be reached, does it respond).

Chapter 2. Resources

2.1. Bankmaster

Bankmaster API

All public REST endpoints of the bank master data are located here, such as the bank master data as JSON and downloadable files.

2.1.1. Bank master data as JSON object.

GET /bankmaster

Description

Bank master data as JSON object.

Parameters

Type	Name	Description	Schema	Default
Query	prettyPrint <i>optional</i>	Flag indicating whether the response is pretty printed.	boolean	"true"

Responses

HTTP Code	Description	Schema
200	Bank master data as JSON object.	BankMasterJsonResponse
default	Unexpected error.	Problem

Produces

- `application/json`

2.1.2. Bank master data as JSON object (only head, no content).

HEAD /bankmaster

Description

Bank master data as JSON object (only head, no content).

Responses

HTTP Code	Description	Schema
200	Content can be downloaded with GET method.	No Content
default	Unexpected error.	No Content

2.1.3. Bank master data file in the CSV format.

```
GET /bankmaster_V3.csv
```

Description

Bank master data file in the CSV format, with header row. The CSV file contains UTF-8 encoded characters (important e.g. for umlauts and Euro sign).

Responses

HTTP Code	Description	Schema
200	Bank master data file in the CSV format.	No Content
default	Unexpected error.	Problem

Produces

- `text/csv`

2.1.4. Bank master data file in the CSV format (only head, no content).

```
HEAD /bankmaster_V3.csv
```

Description

Bank master data file in the CSV format, with header row. The CSV file contains UTF-8 encoded characters (important e.g. for umlauts and Euro sign) (only head, no content).

Responses

HTTP Code	Description	Schema
200	Content can be downloaded with GET method.	No Content
default	Unexpected error.	No Content

2.1.5. Bank master data as JSON object.

```
GET /bankmaster.json
```

Description

Bank master data as a JSON object.

Parameters

Type	Name	Description	Schema	Default
Query	prettyPrint <i>optional</i>	Flag indicating whether the response is pretty printed.	boolean	"true"

Responses

HTTP Code	Description	Schema
200	Bank master data as JSON object.	BankMasterJsonResponse
default	Unexpected error.	Problem

Produces

- `application/json`

2.1.6. Bank master data as JSON object (only head, no content).

```
HEAD /bankmaster.json
```

Description

Bank master data as a JSON object (only head, no content).

Responses

HTTP Code	Description	Schema
200	Content can be downloaded with GET method.	No Content
default	Unexpected error.	No Content

2.2. Healthcheck

System Healthcheck

This allows to check the basic state of the API (can it be reached, does it respond).

2.2.1. Health check using GET method

```
GET /healthcheck
```

Description

Returns a status message of the system.

Responses

HTTP Code	Description	Schema
200	Healthcheck successful	HealthCheckResponse
default	Unexpected error.	Problem

Produces

- `application/json`

2.2.2. Health check using GET method (only head, no content)

```
HEAD /healthcheck
```

Description

Returns a status message of the system (only head, no content).

Responses

HTTP Code	Description	Schema
200	Content can be downloaded with GET method.	No Content
default	Unexpected error.	No Content

Chapter 3. Definitions

3.1. BankMasterJsonResponse

Name	Description	Schema
totalSize <i>required</i>	The total count of records in the entries list.	integer
validOn <i>required</i>	Master data is edited and published on a daily basis. Therefore the data is valid on that exact date only. Example : "2023-01-23"	string (date)
readTime <i>required</i>	Date and time (according to ISO 8601) at which this response was created. Example : "2023-01-21T10:52:05.1904957+01:00"	string (date-time)
entries <i>required</i>		< BankMasterBase > array

3.2. BankMasterBase

Name	Description	Schema
iid <i>required</i>	Each bank / financial institution is identified by an IID (institution identification). IIDs are three to five digits long. QR-IIDs consist exclusively of numbers from 30000 to 31999. Example : 9703	integer
validOn <i>required</i>	Date to which the information in a record applies. This date (written as per ISO8601 standard) is identical for all records. Example : "2023-01-23"	string (date)
entryType <i>required</i>	"New IID/QR-IID" must be used instead of "IID / QR-IID" if entryType is BankMasterConcatenated.	enum (BankMasterConcatenated, BankMaster)

3.3. BankMasterConcatenated

Polymorphism : Inheritance

Discriminator : entryType

Name	Description	Schema
iid <i>required</i>	Each bank / financial institution is identified by an IID (institution identification). IIDs are three to five digits long. QR-IIDs consist exclusively of numbers from 30000 to 31999. Example : 9703	integer
validOn <i>required</i>	Date to which the information in a record applies. This date (written as per ISO8601 standard) is identical for all records. Example : "2023-01-23"	string (date)
entryType <i>required</i>	"New IID/QR-IID" must be used instead of "IID / QR-IID" if entryType is BankMasterConcatenated.	enum (BankMasterConcatenated, BankMaster)
newIid <i>required</i>	If this field contains a number, the IID/QR IID is no longer valid (e.g. due to a merger) and is to be replaced by the "New IID" (so-called concatenation). Example : 9950	integer

3.4. BankMaster

Polymorphism : Inheritance

Discriminator : entryType

Name	Description	Schema
iid <i>required</i>	Each bank / financial institution is identified by an IID (institution identification). IIDs are three to five digits long. QR-IIDs consist exclusively of numbers from 30000 to 31999. Example : 9703	integer
validOn <i>required</i>	Date to which the information in a record applies. This date (written as per ISO8601 standard) is identical for all records. Example : "2023-01-23"	string (date)
entryType <i>required</i>	"New IID/QR-IID" must be used instead of "IID / QR-IID" if entryType is BankMasterConcatenated.	enum (BankMasterConcatenated, BankMaster)

Name	Description	Schema
sicId <i>optional</i>	This is always a 6-digit number and may be used only by SIC and euroSIC participants. Length : 6 Example : "097031"	string
headQuarters <i>optional</i>	IID of the headquarters of this participant. If this is the record of the headquarters itself, then this field contains the same value as the field IID. Example : 9703	integer
iidType <i>optional</i>	Provides information as to the respective type of entry. Example : "HEADQUARTERS"	enum (HEADQUARTERS, MAIN_BRANCH, QR_IID)
qrIdBelongsTo <i>optional</i>	IID of the bank/financial institution to which this QR IID is assigned to. It only contains a value, if the field iidType contains a QR_IID. Otherwise the field is empty. Example : 9950	integer
bankOrInstitutionName <i>required</i>	Name of participant Notice: + at the beginning of the name of the bank/institution = in liquidation ++ at the beginning of the name of the bank/institution = alternation of purpose Length : 1 - 60 Example : "Schweizerische Nationalbank"	string
streetName <i>optional</i>	Street of domicile address Maximal length : 35 Example : "Bundesplatz"	string
buildingNumber <i>optional</i>	Building number of domicile address Maximal length : 16 Example : "55a"	string
postCode <i>optional</i>	Zip code/postcode Length : 1 - 16 Example : "3003"	string
townName <i>optional</i>	City Length : 1 - 35 Example : "Bern"	string

Name	Description	Schema
country <i>optional</i>	2-digit alphabetical country code according to the ISO standard 3166. Maximal length : 2 Example : "DE"	string
bic <i>optional</i>	BIC Formatted (XXXXXXXXXX) (= 11-digit) Length : 11 Example : "SNBZCHZZXXX"	string
sicParticipation <i>required</i>	Participation in SIC.	boolean
rtgsCustomerPaymentsChf <i>required</i>	Available for RTGS customer payments.	boolean
ipCustomerPaymentsChf <i>required</i>	Available for IP customer payments.	boolean
euroSicParticipation <i>required</i>	Participation in euroSIC.	boolean
lsvBddChfParticipation <i>required</i>	Participation in LSV+/BDD in CHF (as debtor FI).	boolean
lsvBddEurParticipation <i>required</i>	Participation in LSV+/BDD in EUR (as debtor FI).	boolean

3.5. Problem

Name	Description	Schema
type <i>optional</i>	An absolute URI that identifies the problem type. We may provide human-readable documentation for the problem type in the future, when the URI is dereferenced. Default : "about:blank" Example : "/problems/REQUEST_PARAMETER_VALIDATION_FAILED"	string (uri)

Name	Description	Schema
title <i>required</i>	A short, human readable summary of the problem type. Example : "Request parameter has missing or invalid values"	string
status <i>required</i>	The HTTP status code generated by the origin server for this occurrence of the problem. Minimum value : 100 Maximum value (exclusive) : 600 Example : 400	integer (int32)
detail <i>required</i>	A human readable explanation specific to this occurrence of the problem. Example : "The submitted request contains invalid or missing request parameters which cannot be processed."	string
instance <i>optional</i>	An absolute URI that identifies the specific occurrence of the problem. It may or may not yield further information if dereferenced. Example : "/api/epcd/bankmaster/v3/public/errors/EPCD0090000001/provided-D"	string (uri)
metadata <i>optional</i>		GenericObject

3.6. GenericObject

Structured type that contains an object and its type.

Name	Description	Schema
@type <i>required</i>	The field "@type" contains a URI/name identifying the type. Example: "@type": "types.example.com/standard/id".	string
data <i>required</i>	An object of type @type containing custom fields.	object

3.7. HealthCheckResponse

Name	Description	Schema
message <i>required</i>	Response message from health check. Maximal length : 100 Example : "The health check GET request was successfully received and processed."	string
requestDateTime <i>required</i>	According to RFC3339, section 5.6 in ISO 8601 with timezone and milliseconds. Example : "2023-01-21T10:52:05.1904957+01:00"	string (date-time)
receivedHeaders <i>required</i>		< receivedHeaders > array
environmentsStage <i>required</i>	The instance to which the request was sent to. Example : "X1"	string
applicationVersion <i>required</i>	The version of the API backend. Example : "4.5.0-julia"	string
apiVersion <i>required</i>	The version of the API. Example : "1.0.23"	string

receivedHeaders

Name	Description	Schema
headerName <i>optional</i>	The name of the provided header. Example : "Accept"	string
headerValue <i>optional</i>	As received Example : "application/json"	string