



Swiss Bank Master API v2

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Chapter 1. Overview

The Bank Master contains all the master data required for electronic payment traffic by financial institutions that are connected to the Swiss payment systems SIC and euroSIC. The Bank Master is centrally administered by SIX Interbank Clearing, updated daily and published in various electronic formats.

All the details published in the Bank Master Data are based on information provided by the respective banks/institutions.

Information in the Download Bank Master may be used freely. SIX assumes no responsibility for the completeness of this information, nor for any damages from actions taken based on this information. SIX reserves the express right to change or delete this information from its website at any time.

1.1. ChangeLog

- Added four new codes in field sicParticipation. The existing codes remain unchanged.

1.2. Version information

Version : 2.1 (generated 2023-02-03T13:38:43Z)

1.3. Contact information

Contact : SIX Interbank Clearing

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

1.4. URI scheme

Host : api.six-group.com

BasePath : /api/epcd/bankmaster/v2

Schemes : HTTPS

1.5. Tags

- **public : Public API**
All public rest endpoints of the bank master data are located here, such as the bank master as JSON and downloadable files.
- **healthcheck : System Healthcheck**
This allows to check the basic state of the system (can it be reached, does it respond).

Chapter 2. Resources

2.1. Public

Public API

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

2.1.1. Bank master data as JSON

GET /public

Description

Returns the bank master data as a JSON object.

Responses

HTTP Code	Description	Schema
200	public bank master JSON	BankMasterJsonResponse
default	Unexpected error.	Problem

Produces

- `application/json`

2.1.2. Download list

GET /public/downloads

Description

List of all bank master data files available for download.

Responses

HTTP Code	Description	Schema
200	JSON object with the list of bank master data files.	BankMasterDownloadList

HTTP Code	Description	Schema
default	Unexpected error.	Problem

Produces

- `application/json`

2.1.3. Bank master data file as text

```
GET /public/downloads/bcbankenstamm
```

Description

Bank master data file in fixed width format, without header row.

Responses

HTTP Code	Description	Schema
200	File download.	No Content
default	Unexpected error.	Problem

Produces

- `text/plain`

2.1.4. Bank master data file as text

```
GET /public/downloads/bcbankenstamm.txt
```

Description

Bank master data file in fixed width format, without header row.

Responses

HTTP Code	Description	Schema
200	File download.	No Content

HTTP Code	Description	Schema
default	Unexpected error.	Problem

Produces

- `text/plain`

2.1.5. Bank master data file as text, zipped

```
GET /public/downloads/bcbankenstamm.zip
```

Description

Bank master data file in fixed width format, without header row, ZIP compressed.

Responses

HTTP Code	Description	Schema
200	File download.	No Content
default	Unexpected error.	Problem

Produces

- `application/zip`

2.1.6. Bank master data file as Excel

```
GET /public/downloads/bcbankenstamm_d.xls
```

Description

Bank master data file in Excel format, with german header row.

Responses

HTTP Code	Description	Schema
200	File download.	No Content

HTTP Code	Description	Schema
default	Unexpected error.	Problem

Produces

- `application/vnd.ms-excel`

2.1.7. Bank master data file as Excel, zipped

```
GET /public/downloads/bcbankenstamm_d.zip
```

Description

Bank master data file in Excel format, with german header row, ZIP compressed.

Responses

HTTP Code	Description	Schema
200	File download.	No Content
default	Unexpected error.	Problem

Produces

- `application/zip`

2.1.8. Bank master data file as Excel

```
GET /public/downloads/bcbankenstamm_e.xls
```

Description

Bank master data file in Excel format, with english header row.

Responses

HTTP Code	Description	Schema
200	File download.	No Content

HTTP Code	Description	Schema
default	Unexpected error.	Problem

Produces

- `application/vnd.ms-excel`

2.1.9. Bank master data file as Excel, zipped

```
GET /public/downloads/bcbankenstamm_e.zip
```

Description

Bank master data file in Excel format, with english header row, ZIP compressed.

Responses

HTTP Code	Description	Schema
200	File download.	No Content
default	Unexpected error.	Problem

Produces

- `application/zip`

2.1.10. Bank master data file as Excel

```
GET /public/downloads/bcbankenstamm_f.xls
```

Description

Bank master data file in Excel format, with french header row.

Responses

HTTP Code	Description	Schema
200	File download.	No Content

HTTP Code	Description	Schema
default	Unexpected error.	Problem

Produces

- `application/vnd.ms-excel`

2.1.11. Bank master data file as Excel, zipped

```
GET /public/downloads/bcbankenstamm_f.zip
```

Description

Bank master data file in Excel format, with french header row, ZIP compressed.

Responses

HTTP Code	Description	Schema
200	File download.	No Content
default	Unexpected error.	Problem

Produces

- `application/zip`

2.2. Healthcheck

System Healthcheck

This allows to check the basic state of the system (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`

Chapter 3. Definitions

3.1. BankMasterJsonResponse

Name	Schema
metaData <i>required</i>	BankMasterMetaData
entries <i>required</i>	< BankMasterJsonResponseEntry > array

3.2. BankMasterMetaData

Name	Description	Schema
validForClearingDay <i>required</i>	Date (according to ISO 8601) for which the entries are valid. Example : "2023-01-23"	string (date)
createdStamp <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)

3.3. BankMasterJsonResponseEntry

Name	Description	Schema
group <i>required</i>	The banks/financial institutions are divided into so-called bank groups. At present these are made up of the following: 01 = Swiss National Bank 02 = UBS Group 03 = Reserve 04 = Credit Suisse Group 05 = Credit Suisse Group 06 = Entris Banks 07 = Cantonal Banks 08 = Raiffeisen Banks and individual institutions 09 = PostFinance Length : 2 Example : "01"	string

Name	Description	Schema
iid <i>required</i>	Each bank/financial institution is identified by way of an IID (institution identification) made up of 3 to 5 digits. Example : 9703	integer
branchId <i>required</i>	Together with the IID the branch ID provides a conclusive key for each entry. Each IID has a main branch with the branch ID "0000"; the branch IDs from "0001" are assigned to this IID. Length : 4 Example : "0004"	string
newIid <i>optional</i>	If this field contains a number, the IID is no longer valid (e.g. due to a merger) and is to be replaced by the "New IID" (so-called concatenation). A concatenation is always carried out with the branch ID "0000" of the new IID. All other record fields and the original information remain unchanged until the cancellation of the concatenation. Example : 9950	integer
sicIid <i>required</i>	This is always a 6-digit number and may be used only by SIC and euroSIC participants. Length : 6 Example : "097031"	string
headOffice <i>required</i>	IID of the head office (headquarters) Example : 9703	integer
iidType <i>required</i>	Provides information as to the respective type of entry. Example : "HEADQUARTERS"	enum (HEADQUARTERS, MAIN_BRANCH, BRANCH)
validSince <i>required</i>	Date (according to ISO 8601) from which the information in a record is valid. The date is adjusted as soon as an amendment has been made in one or several fields or in the case of a record which is for the first time included in the file. Example : "2023-01-23"	string (date)

Name	Description	Schema
sicParticipation <i>required</i>	<p>This code provides information regarding participation in the services SIC and LSV+/BDD in CHF.</p> <p>NO_PARTICIPATION: no participation in SIC</p> <p>SIC_PARTICIPATION_AND_LSV_AS_DEBTOR_FI: participation in SIC and in LSV+/BDD as DEB-FI but without IP customer payments. Direct debits payments in CHF debitable to an IID not indicated with this code will be rejected (DEB-FI = direct debit payers financial institution).</p> <p>SIC_PARTICIPATION: participation in SIC but without IP customer payments</p> <p>SIC_PARTICIPATION_WITH_QR_IID: participation in SIC with QR-IID for payments with QR reference but without IP customer payments</p> <p>SIC_PARTICIPATION_NO_CUSTOMER_PAYMENT_AND_NO_LSV_AS_DEBTOR_FI: participation in SIC without RTGS/IP customer payments and without LSV+/BDD as DEB-FI</p> <p>SIC_PARTICIPATION_WITH_IP_CUSTOMER_PAYMENT_AND_QR_IID_AND_NO_LSV_AS_DEBTOR_FI: participation in SIC with RTGS/IP customer payments, QR-IID for payments with QR reference and without LSV+/BDD as DEB-FI</p> <p>SIC_PARTICIPATION_WITH_IP_CUSTOMER_PAYMENT_AND_LSV_AS_DEBTOR_FI: participation in SIC with RTGS/IP customer payments and with LSV+/BDD as DEB-FI</p> <p>SIC_PARTICIPATION_WITH_IP_CUSTOMER_PAYMENT_AND_NO_LSV_AS_DEBTOR_FI: participation in SIC with RTGS/IP customer payments and without LSV+/BDD as DEB-FI</p> <p>Example : "SIC_PARTICIPATION"</p>	<p>enum</p> <p>(NO_PARTICIPATION,</p> <p>SIC_PARTICIPATION_AND_LSV_AS_DEBTOR_FI,</p> <p>SIC_PARTICIPATION,</p> <p>SIC_PARTICIPATION_WITH_QR_IID,</p> <p>SIC_PARTICIPATION_NO_CUSTOMER_PAYMENT_AND_NO_LSV_AS_DEBTOR_FI,</p> <p>SIC_PARTICIPATION_WITH_IP_CUSTOMER_PAYMENT_AND_QR_IID_AND_NO_LSV_AS_DEBTOR_FI,</p> <p>SIC_PARTICIPATION_WITH_IP_CUSTOMER_PAYMENT_AND_LSV_AS_DEBTOR_FI,</p> <p>SIC_PARTICIPATION_WITH_IP_CUSTOMER_PAYMENT_AND_NO_LSV_AS_DEBTOR_FI)</p>
euroSicParticipation <i>required</i>	<p>This code provides information regarding participation in the services euroSIC and LSV+/BDD in EUR:</p> <p>NO_PARTICIPATION: no participation in euroSIC</p> <p>EURO_SIC_PARTICIPATION_AND_LSV_AS_DEBTOR_FI: participation in euroSIC and in LSV+/BDD as DEB-FI. Direct debits in EUR debitable to an IID not indicated with this code will be rejected (DEB-FI = direct debit payers financial institution).</p> <p>EURO_SIC_PARTICIPATION: participation in euroSIC</p> <p>EURO_SIC_PARTICIPATION_WITH_QR_IID: participation in euroSIC with QR-IID for payments with QR reference</p> <p>Example : "EURO_SIC_PARTICIPATION"</p>	<p>enum</p> <p>(NO_PARTICIPATION,</p> <p>EURO_SIC_PARTICIPATION_AND_LSV_AS_DEBTOR_FI,</p> <p>EURO_SIC_PARTICIPATION,</p> <p>EURO_SIC_PARTICIPATION_WITH_QR_IID)</p>

Name	Description	Schema
language <i>required</i>	The fields entitled "shortName" and "BankOrInstitutionName" for each record are supplied in the respective languages. DE = German, FR = French, IT = Italian Length : 2 Example : "DE"	string
shortName <i>required</i>	Short name of the bank or financial institution Length : 1 - 15 Example : "SNB"	string
bankOrInstitutionName <i>required</i>	Name of the bank or financial institution Notice: + in the first position of the name of the bank/institution = in liquidation ++ in the first position of the name of the bank/institution = alternation of purpose Length : 1 - 60 Example : "Schweizerische Nationalbank"	string
domicileAddress <i>optional</i>	Address of domicile Maximal length : 35 Example : "Bundesplatz 1"	string
postalAddress <i>optional</i>	Postal address Maximal length : 35 Example : "Postfach 2800"	string
zipCode <i>required</i>	Postal/Zip code Length : 1 - 10 Example : "3003"	string
place <i>required</i>	Place Length : 1 - 35 Example : "Bern"	string
phone <i>optional</i>	Phone number. Formatted representation (with blanks). Maximal length : 18 Example : "012 345 67 89"	string
fax <i>optional</i>	Fax number. Formatted representation (with blanks). Maximal length : 18 Example : "012 345 67 89"	string

Name	Description	Schema
diallingCode <i>optional</i>	International dialling code for telephone and fax (foreign entries only). Maximal length : 5 Example : "+49"	string
countryCode <i>optional</i>	2-digit alphabetical country code according to the ISO standard 3166 (foreign entries only). Maximal length : 2 Example : "DE"	string
postalAccount <i>optional</i>	Postal account number. A * in the first position points out that the listed postal account number is part of a higher-level IID (e.g. main branch). Maximal length : 12 Example : "*30-5-5"	string
bic <i>optional</i>	BIC of the bank or financial institution. Formatted representation (XXXXXXXXXX) (= 11 characters). (The SWIFT/BIC addresses used in this directory are the property of SWIFT SCRL, 1310 La Hulpe / Belgium and have been made available by SIX Interbank Clearing Ltd on behalf of the bank or financial institution.) Maximal length : 11 Example : "SNBZCHZZXXX"	string

3.4. BankMasterDownloadList

Name	Schema
links <i>required</i>	< BankMasterDownloadLink > array

3.5. BankMasterDownloadLink

Name	Description	Schema
filename <i>required</i>	name of the bank master data file available for download Length : 1 - 100 Example : "bcbankenstamm_d.xls"	string

Name	Description	Schema
contentType <i>required</i>	content type of the file Length : 1 - 100 Example : "application/vnd.ms-excel"	string
link <i>required</i>	relative link to download this bank master data file Length : 1 - 100 Example : "/public/downloads/bcbankenstamm_d.xls"	string
description <i>required</i>	short description of the file format of this bank master data file Minimum length : 1 Example : "Bank master data file in Excel format with german headers"	string

3.6. 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)
title <i>optional</i>	A short, human readable summary of the problem type. Example : "Request parameter has missing or invalid values"	string
status <i>optional</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>optional</i>	A human readable explanation specific to this occurrence of the problem. Example : "The submitted request contains invalid or missing request parameters which can not be processed."	string

Name	Description	Schema
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/v2/public/errors/EPCD0090000001/provided-0"	string (uri)
technicalReason <i>optional</i>	The Technical Description/Reason for engineers might contain addition system information on the problem. Example : "Some field validations failed"	string
fieldErrors <i>optional</i>		< fieldErrors > array

fieldErrors

Name	Description	Schema
fieldName <i>optional</i>	The name of the field with the error. Example : "parameter1"	string
message <i>optional</i>	The message describing the error Example : "size must be between 1 and 35"	string
rejectedValue <i>optional</i>	the provided value which was rejected if available Example : "Very Long Invalid Request Parameter Name Which Is Rejected"	string

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)

Name	Description	Schema
receivedHeaders <i>required</i>		< receivedHeaders > array
environmentStage <i>required</i>	the instance which the request was sent to Example : "X1"	string
applicationVersion <i>required</i>	the version of the EPCD infrastructure Example : "4.5.0-julia"	string
apiVersion <i>required</i>	the version of the EPCD public 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