Financial Stability and Statistics

Financial Statistics

Memorandum
Draft

6 March 2024
BOF/FIN-FSA-UNRESTRICTED

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Description of electronic reporting of SAVE reports

1 Overview

The Bank of Finland collects data from non-financial corporations, financial and insurance institutions, local government municipalities and central government on their securities-based assets and liabilities on a monthly basis. The Bank of Finland's authority to obtain information is based on the following legal provisions: sections 26 and 28 of the Act on the Bank of Finland (214/1998), Council Regulation (2533/1998, as amended by Regulation 951/2009) concerning the collection of statistical information by the European Central Bank, and the ECB Regulation concerning statistics on holdings of securities (ECB/2012/24, as amended by Regulations 2015/730, 2016/1384 and 2018/318). ECB Guideline ECB/2004/15 requires a security-by-security data collection method.

This description of electronic reporting applies to the generation of reporting data and its submission as of the reporting date 31 August 2024. The Bank of Finland will receive the reportable data using the data collection service (eRegulatory) maintained by Regnology France.

The ECB Regulation applying to SAVE reporting (ECB/2012/24), the content requirements and other material related to the reporting are available on the Bank of Finland website at https://www.suomenpankki.fi/en/statistics2/to-the-reporter/security-statistics/

2 Report identifiers

The reporter's unique identifier used in the reporting is the business ID (VAT number). The identifier consists of the country code and the company's business ID without a hyphen, in the following format: FI<NNNNNNNN>.

3 Structure of this report

The data must be reported in the XML format (Extensible Markup Language) in accordance with the specifications of the reporting system. The character set used is UTF-8.

The file consists of at least one Header section and one or more SBS sections. At the beginning of the report, the schema file and namespace specifications are always defined. The Header section of the report also always includes the mandatory meta data to be included in the report:

The Header section includes the following elements/attributes:

Element/attribute name	Explanation
typeOfDataProviderIdentifier	Type of data provider's identifier, "VAT"
dataProviderIdentifier	Data provider's VAT number in format FI<NNNNNNNN>
typeOfReporterIdentifier	Type of reporter's identifier, "VAT"
reporterIdentifier	Reporter's VAT number in format FI<NNNNNNNN>
surveyCode	"SAVE"
reportingPeriodEnd	Last day of the reportable month, YYYY-MM-DD
frequency	"M"

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creationDate	Date and time at which report was created in format <YYYY><MM><DD><HH><MM><SS>
entitysComment	Possible short comment relating to the report.

Example:

```xml
<?xml version="1.0" encoding="utf-8"?>
<saveReport xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" schemaVersion="1.0"
xmlns="http://bof.fi/SAVE">
 <header>
   <typeOfDataProviderIdentifier>VAT</typeOfDataProviderIdentifier>
   <dataProviderIdentifier>FI12345671</dataProviderIdentifier>
   <typeOfReporterIdentifier>VAT</typeOfReporterIdentifier>
   <reporterIdentifier>FI12345671</reporterIdentifier>
   <surveyCode>SAVE</surveyCode>
   <reportingPeriodEnd>2023-12-31</reportingPeriodEnd>
   <frequency>M</frequency>
   <creationDate>2024-01-29T10:49:24</creationDate>
 </header>
```

The SBS section includes the following elements/attributes:

Element/attribute name	Explanation
category	Indication of the category to which the reportable security belongs conceptually.
contractType	Contract type of repo or securities lending agreement valid at the end of the reporting period
instrument	Instrument category of the security
internalIdentificationCode	Unique, permanent identifier of the security
isinCode	ISIN code under the ISO 6166 Standard
instrumentName	Name of the security as known to the reporting entity.
numberOfInstruments	Number of instruments
totalNominalValue	Total nominal value of the security reported using a single ISIN code or internal identifier
nominalCurrency	ISO 4217 code of the currency
totalMarketValue	Total market value of the security reported using a single ISIN code or internal identifier
marketCurrency	ISO 4217 code of the currency
intraGroupItem	"true" or "false"
dividends	Gross dividends paid to the holder during the month
dividendCurrency	ISO 4217 code of the currency
contractingPartysHomeCountry	Home country of the contracting party in accordance with the ISO 3166 classification or the list of international organisations
issueDate	Issue date, YYYY-MM-DD
maturityDate	Maturity Date, YYYY-MM-DD
nextCouponDate	Next date of coupon payment, YYYY-MM-DD

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couponRate	Interest rate payable on the nominal value as specified in the debt security
couponFrequency	Number of coupon payments in a year
countryOfIssue	Country of issue in accordance with the ISO 3166 classification
issuersSector	Sector code of the issuer in accordance with Statistics Finland's Classification of Sectors 2023
issuersHomeCountry	Home country of the issue in accordance with the ISO 3166 classification or the list of international organisations

If the reportable data attribute is not applicable to a reportable item or it is subject to reporting concessions (and not reported on a voluntary basis), this XML element must be left unreported. Empty XML elements may not be reported.

Detailed descriptions of reportable data items, such as data type, threshold value, content requirements, value accuracies, code lists used and required formats are provided in the valid schema files SAVE_x.x.xsd and SAVE_Types_x.x.xsd.

3.1 XML schema and version

Each XML file must include the version number of the schema applied. The valid SAVE schema consists of two separate XSD files. The SAVE_x.x.xsd file contains the specification of the file structure, and SAVE_Types_x.x.xsd specifies the data contents.

4 File naming

The reported files are named as follows:

FI12345678_VAT_M_SAVE_2024-12-31_20240129104924000.xml

Meaning of the file name components:
- reporter's identifier: valid VAT code in the specified format
- type of reporter's identifier: VAT
- period: M
- survey code: SAVE
- reporting date: last day of the reference period
- creation date and time: date and time at which report was created in format <YYYY><MM><DD><HH><MM>, the last three digits always 000.

5 File transfer to the Bank of Finland

The Bank of Finland uses a data collection service maintained by Regnology France in transferring SAVE reports. Entities under the reporting obligation may either use the service themselves or authorise a reporter of their choosing to submit the data on their behalf. Entities identify themselves in accordance with strong electronic authentication in the Suomi.fi identification and authorisation service. More detailed instructions about Suomi.fi authorisations are available here.

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There are three ways available for report submission:
- File submission using a web template
- File submission as file upload (https upload)
- Direct encrypted access protocol between the company and the data collection service (SFTP Secure File Transfer Protocol).

When using the SFTP data transfer, the reporter and the data collection service establish an SFTP connection between themselves to conduct the report file transfer. To order an SFTP identifier, the reporter must contact the Bank of Finland by email at ReportingSupport(at)bof.fi.

6 Technical validations

The data collection service checks the technical integrity and structural validity of submitted report files and forwards valid report files to the Bank of Finland. Any errors detected in the report file at this stage are indicated in automatic feedback enabling the reporter to correct the errors and resubmit the file. When submitting a revised report, the entire report must be resubmitted to the eREG operator. A file with the same name may only be submitted once. Re-submissions will be identified by an updated time stamp.

More details on the technical validations are provided in the following document: [SAVE validation rules](#).

7 Further information

If you have any further inquiries, please send them at ReportingSupport(at)bof.fi.

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