



Description of electronic reporting of SIRA reports

1 Overview

This document describes the data structure of the survey of investment funds (SIRA) and the submission of the data to the Bank of Finland. The SIRA schema files referred to in the document are available on the website of the reporting system

reform: <https://www.suomenpankki.fi/en/statistics2/to-the-reporter/raportointijarjestelman-uudistus/ohjeet/>. Reporting instructions for the SIRA data collection and other material related to reporting are available on the Bank of Finland's website at <https://www.suomenpankki.fi/en/statistics2/to-the-reporter/investment-funds/>

The data for SIRA reporting are generated and submitted to the Bank of Finland in accordance with the descriptions provided in this document when reporting for the first time the data for the period 2024M12.

2 Transfer of data to the Bank of Finland

The data for SIRA reporting are submitted to the Bank of Finland through the eRegulatory data collection service provided by Regnology France. The system is the same used in reporting to the FIN-FSA. 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. The eRegulatory data collection service is logged in via Suomi.fi authentication. Before logging in the data collection service, the obliged entity must authorise the reporting persons to report in the SIRA data collection in the authorisation service of the Suomi.fi portal. Without an authorisation, reporting is not possible. More detailed instructions about Suomi.fi authorisations are available [here](#).

There are three ways available for report submission:

- Reporting in 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).

Reporting in a web template suits best for entities under the reporting obligation with little to report. The submission of a file as file upload is suitable for obliged entities that are able to generate the report file from their own systems. Reporting using an SFTP connection is suitable for obliged entities with a lot of reportable data or reporting they want to automate. 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.

The data are submitted in the production environment of the data collection system, in addition to which reporting can be tested in a separate test environment. . The exact opening date of the test and production environments will be communicated later.



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. Erroneous reports will not be forwarded to the Bank of Finland, but automatic feedback will be given on detected errors. Any errors must be corrected and the whole report resubmitted. A file with the same name may only be submitted once. The new submission will be identified by an updated time stamp (see more about naming the report in section 3.1. File naming). The time stamp will have to be updated both in the report name and Header section.

3 Report file

The file must be in the XML format (Extensible Markup Language), and the character set used is UTF-8.

The technical format of the file is defined in the schema files and content validations. The data content is defined in the reporting instructions.

When using the manual web template for data submission, the data will be automatically in the correct format.

The following paragraphs present the naming of the file and the main aspects of the structure of the file, using examples.

3.1 File naming

The file name consists of six elements: reporter's identifier, type of reporter's identifier, frequency, survey code, reporting period and the creation date and time of the report. The separator of the elements is the underscore ("_").

Example: 12345678#001_FSAFUNDID_M_SIRA_2024-03-31_20240404104924000.XML

Meaning of the file name components:

- **Reporter's identifier: valid fund ID.** The reporter's unique identifier used in the reporting is the investment fund identifier provided by the FIN-FSA (FSAFUNDID). The identifier of an investment fund is in format <NNNNNNNN>#<NNN> if the management company is Finnish. Otherwise, the identifier is in format <NNNNNNNN>#<NNN>. The reporter's identifier in the examples above is 12345678#001.
- **Type of reporter's identifier FSAFUNDID.** The identifier type used in SIRA is always FSAFUNDID.
- **Frequency: M.** In monthly reporting, the frequency is always M (month).
- **Survey code: SIRA**
- **Reporting period: last day of the reference period.** The reporting period is the last day of the reportable (reference) period. Example 1 above is concerned with the data for March 2024 (i.e., data for the period 1 – 31 March 2024), and so the reporting period is indicated as 2024-03-31.
- **Creation date and time: <YYYY><MM><DD><HH><MM><SS>< 000> (time stamp).** Time stamp is the time when the data for the report was retrieved. It is



unique for each data submission. In the case of a revision file, the time stamp will have to be replaced, since it is not possible to re-send a report with the exact same name. The data retrieval time takes the format: year + month + day + hour + minute + second + 000. The last three digits are always 000. (i.e., 17 characters, zeroes in the front where necessary).

- **Note. The elements of the file name are separated by an underscore (“_”).**

3.2 Structure of this report

The structure of the XML document is defined by the SIRA schema, consisting of two separate XSD files: the XSD file defining the file structure, named as SIRA_1.0.xsd and the XSD file defining the data content of the file, named SIRA_Types_1.0.xsd. In addition, the structure/data content is defined by content validations that will be published in the separate document at earliest convenience.

The file consists of general specifications at the beginning, one Header section and one or more so-called content sections.

3.2.1 General information

At the beginning of the report, there is a description of the XML version, character set used, schema information and description of the name universe. The schema version changes when changes are made to the SIRA schema. One schema is valid on each reporting date. When revising an old report from a period with a different schema from that used on the revision date, the revision report must be based on the schema valid during the period of the report being revised (identifying the schema version by the version number of the SIRA schema).

Table 1: general information

XML version	1.0
Character set used	utf-8
Schema instance	http://www.w3.org/2001/XMLSchema-instance
Schema	http://www.w3.org/2001/XMLSchema
Schema version	1.0 (version number of the SIRA schema)
Definition of the name universe	<code>xmlns="http://bof.fi/SIRA"</code>

Example: General information at the beginning of the report

```
<?xml version="1.0" encoding="utf-8"?>  
<siraReport xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema" schemaVersion="1.0"  
xmlns="http://bof.fi/SIRA">
```



3.2.2 Header section

The first section of the report is a Header section, which always includes the mandatory meta data to be included in the report: These are the type of management company's identifier, management company's VAT or TK code, type of reporter's identifier, reporter's FSAFUNDID code, identifier of the data collection, last date of the reporting reference period, reporting frequency, report creation date and time and possibly a comment concerning the report. The elements contained in the Header section and their more detailed explanations are provided in Table 2, *Elements contained in the Header section*.

Table 2. Elements contained in the Header section

Element name	Explanation
typeOfManagementCompanyIdentifier	Type of management company's identifier, "VAT" or "TK"
managementCompanyIdentifier	Management company's VAT or TK number in format FI<NNNNNNNN> or TK<NNNNNNNN>
typeOfReporterIdentifier	Type of reporter's identifier, "FSAFUNDID"
reporterIdentifier	Reporter's fund ID in format <NNNNNNNN>#<NNN> or <NNNNNNNN>#<NNN>
reporterName	Name specified in the fund's regulations
surveyCode	"SIRA"
reportingPeriodEnd	Last day of the reportable month, YYYY-MM-DD
frequency	"M"
creationDate	Creation date and time <YYYY>-<MM>-<DD>T<HH>:<MM>:<SS>
entitysComment	Possible short comment relating to the report.

Example: Header section of the 2023M03 report

```

4 <header>
5   <typeOfManagementCompanyIdentifier>VAT</typeOfManagementCompanyIdentifier>
6   <managementCompanyIdentifier>FI12345671</managementCompanyIdentifier>
7   <typeOfReporterIdentifier>FSAFUNDID</typeOfReporterIdentifier>
8   <reporterIdentifier>12345671#001</reporterIdentifier>
9   <reporterName>testfund</reporterName>
10  <surveyCode>SIRA</surveyCode>
11  <reportingPeriodEnd>2024-03-31</reportingPeriodEnd>
12  <frequency>M</frequency>
13  <creationDate>2024-04-04T10:49:24</creationDate>
14  <entitysComment>Test</entitysComment>
15 </header>

```

3.2.3 Content sections of the report

The content sections are named in the structural part of the SIRA schema file (SIRA_1.0.xsd) as follows:



- IF = ifRecords
- SBS = sbsRecords
- ITEM = itemRecords

Actual data contents are reported using content elements (records), comprising if elements, sbs elements and item elements. The number of the content elements is presented in the following table.

Table 3. Number of content elements/records.

Report	Content section	Number of content sections	The content section contains the following content elements/records	Number of content elements/records
M	IF (ifRecords)*	1	if	1
	SBS (sbsRecords)	0–1	sbs	0 - unbounded
	ITEM (itemRecords)	0–1	item	0 - unbounded

* The content section is always mandatory

Data items (elements) contained in the content elements/records have been listed in the tables at the end of this document. They are also found in the schema file SIRA_Type.xsd and later in the SIRA validation rules, which will also define the details of the data types, threshold values, content requirements, value accuracies, code lists used and required formats.

3.3 Comparison of CSV and xml reports

In the CSV file, data on the reporter and reporting period as well as other general information are provided in the batch record on the 000 row at the beginning of the report. The header section of the XML report corresponds to the 000 row of the CSV report.

The actual reportable statistics i.e., individual records are reported in the CSV file as rows. For example, the corresponding data in the XML report is reported within the IF element located in the ifRecords element. Hence, each content element of the XML report (i.e. individual if-, sbs- and item -element) corresponds to an individual row in the CSV report.

If the reportable data element is not applicable to the reportable content element, the XML element concerned must be left altogether unreported. The reporting of empty XML elements is not allowed.

4 Further information

Further inquiries about the submission of the report should be sent by email at ReportingSupport(at)bof.fi. Further inquiries about the content should be sent by email at sijoitusrahastot(at)bof.fi.



APPENDIX 1: Elements contained in the content elements/records as a table

Elements contained in an IF element (IF Record)

XML element	Explanation
exchangeRate	Exchange rate
currencyOfExchangeRate	Currency of exchange rate
balanceSheetTotal	Balance sheet total
balanceSheetCurrency	Balance sheet currency
totalNumberOfUnitholders	Total number of unitholders
numberOfPrivatePersonUnitholders	Number of private person unitholders
holdingsOfTenLargestUnitholders	Holdings of ten largest unitholders
currencyOfHoldingsOfTenLargestUnitholders	Currency of holdings of ten largest unitholders
durationOfBondsAndMoneyMarketInstruments	Duration of bonds and money market instruments
totalValueOfUnitLinkedInsurancesDomesticCompanies	Total value of unit-linked insurances (domestic companies)
totalValueOfUnitLinkedInsurancesForeignCompanies	Total value of unit-linked insurances (foreign companies)
currencyOfUnitLinkedInsurances	Currency of unit-linked insurances
collateralRequirementForDerivatives	Collateral requirement for derivatives
currencyOfCollateralRequirementForDerivatives	Currency of collateral requirement for derivatives
collateralRequirementForRepurchaseAgreements	Collateral requirement for repurchase agreements
currencyOfCollateralRequirementForRepurchaseAgreements	Currency of collateral requirement for repurchase agreements
collateralRequirementForSecuritiesLendingAgreements	Collateral requirement for securities lending agreements
currencyOfCollateralRequirementForSecuritiesLendingAgreements	Currency of collateral requirement for securities lending agreements
dividendIncomeAndIncomeFromFundShares	Dividend income and income from fund shares
interestIncome	Interest income
profitDistribution	Profit distribution



Elements contained in an SBS element (SBS Record)

XML element	Explanation
category	Category
contractType	Contract type
instrument	Instrument
collateral	Collateral
internalIdentificationCode	Internal identification code
isinCode	ISIN code
allCode	Derivative's Alternative Instrument Identifier
instrumentsName	Instrument's name
numberOfInstruments	Number of instruments
totalNominalValue	Total nominal value
nominalValueCurrency	Nominal value currency
totalMarketValueDirtyPrice	Total market value (dirty price)
marketCurrencyDirtyPrice	Market currency (dirty price)
totalMarketValueCleanPrice	Total market value (clean price)
marketCurrencyCleanPrice	Market currency (clean price)
typeOfCounterpartyIdentifier	Type of counterparty's identifier
counterpartyIdentifier	Counterparty's identifier
counterpartyName	Counterparty's name
counterpartySector	Counterparty's sector
counterpartyHomeCountry	Counterparty's home country
issueDate	Issue date
maturityDate	Maturity date
typeOfIssuersIdentifier	Type of issuer's identifier
issuersIdentifier	Issuer's identifier
issuersName	Issuer's name
issuersSector	Issuer's sector
issuersHomeCountry	Issuer's home country
derivativesSellingOrBuyingIndicator	Derivative's selling or buying indicator
marketplace	Marketplace
underlyingAssetOfDerivative	Underlying asset of derivative
typeOfUnderlyingAssetsIdentifier	Type of underlying asset's identifier
underlyingAssetsIdentifier	Underlying asset's identifier
typeOfUnderlyingSecurityIssuersIdentifier	Type of underlying security issuer's identifier



underlyingSecurityIssuersIdentifier	Underlying security issuer's identifier
nameOfUnderlyingSecurityIssuer	Name of underlying security issuer
homeCountryOfUnderlyingSecurityIssuer	Home country of underlying security issuer
totalNumberOfUnderlyingAssets	Total number of underlying assets
marketPriceOfUnderlyingAsset	Market price of underlying asset
marketPriceCurrencyOfUnderlyingAsset	Market price currency of underlying asset
derivativesRiskWeightedValue	Derivative's risk-weighted value
currencyOfDerivativesRiskWeightedValue	Currency of derivative's risk weighted value
derivativesDelta	Derivative's delta

Elements contained in an ITEM element (ITEM Record)

XML element	Explanation
category	Category
instrument	Instrument
collateral	Collateral
internalIdentificationCode	Internal identification code
nominalValueCurrency	Nominal value currency
totalValue	Total value
currencyOfValue	Currency of value
typeOfCounterpartysIdentifier	Type of counterparty's identifier
counterpartysIdentifier	Counterparty's identifier
counterpartysName	Counterparty's name
counterpartysSector	Counterparty's sector classification code in accordance with Statistics Finland's classification (2023)
counterpartysHomeCountry	Counterparty's home country in accordance with ISO 3166 standard
issueDate	Issue date
maturityDate	Maturity date