



# Reporting webinar 12.12.2024

Reform of the reporting system

Financial Statistics  
Suomen Pankki

# Programme of the event

- Opening of the event (Elisabeth Flittner)
- Update on end-of-year shift to production and winding-down of DCS2
- Instructions for using the system
- Changes to data collections (SIRA, PEF, LUOTI) in 2025 and overview of schema adjustments
- Questions and comments



# Reform of the reporting system

Elisabeth Flittner

Financial Statistics  
Suomen Pankki





# Update on end-of-year shift to production and winding-down of DCS2

Tanja Raita

Financial Statistics  
Suomen Pankki



# Transitional period is coming to an end

- Use of the DCS2 service is about to end. You can still log in the system until the end of January and save any necessary files and messages/instructions.
- Revisions can be made throughout January 2025.
- Going forward, all reporting will take place in the eRegulatory system (abbreviated as eREG), a shared system of the BoF and FIN-FSA.



# Reporting starts at the beginning of 2025 for five data collections

- Migration to production has taken place in three batches. The last one comprising TIHA, SIRA and MURA was opened for testing by reporters on 4 December 2024
- LUOTI and MAPEH opened for testing by reporters in the Validation Service environment during the summer and autumn
- Year-end data will be reported for each of these data collections in the eREG's Reporter Portal from 1

## Validation Service

Testing of file validations\*

## Reporter Portal

File submission to the Bank of Finland

\* Submission of Luoti reports to the test environment for test feedback

# Testing is possible for all data collections

- Testing is highly recommended, and it takes place in the Validation Service test environment:  
<https://validationservice-reporting.bof.fi>
- Reporting itself takes place in the Reporter Portal:  
<https://reporting.bof.fi>
- The Validation Service test environment is also a production-level environment; you can use production data securely for testing and in preparing for reporting

# Reporting methods – form-based reporting

- In the new system, you can continue to report with file upload and forms\*
- The form-based option means completing a form yourself or importing data to the form with Excel.
- It is advisable to familiarise yourself in advance with how the form works; pay particular attention to the Excel Export/Import\*\* function that facilitates reporting (page 24 of the instructions)
- The limit for form import is 500 rows per table; consider this when preparing to report

\* The forms are not available for the KOTI, TIHA and LUOTI data collections

\*\* in Finnish: Tuo Excel-muodossa/Vie Excel-muodossa



# Reporting methods – file upload

- The options for file upload are to generate XML files from your own system or to convert CSV files into XML files. If you are planning to start file upload, you should go directly for generating XML files. The converter is a temporary solution
- When you begin to generate XML files, carefully review the instructions on the website (schemas, descriptions of electronic reporting, content validations)
- If you convert CSV files, now is a good time to convert old reports into XML files and upload them to the test environment
- The converter will convert CSV files compliant with the old specifications correctly into the XML format. You do not have to modify the original CSV file
- Examples of the [XML files](#) for the MAPE data collection have been published



# Winding down of the DCS2 service

Financial Statistics  
Suomen Pankki



# Save your files from DCS2

- Now is the time to save the files you have submitted to DCS2. This concerns form reporters in particular.
- Reporting entities are obliged to keep reports submitted in the Bank of Finland's data collections. This obligation refers to XML-formatted report files and CSV files submitted in the previous system.
- You can save files for the past couple of years from DCS2.

# Revisions

- It is still be possible to revise past periods for the last weeks through DCS2. This is recommended.
- Starting from 1 January 2025, revisions to 2024 data will have to be made through eRegulatory. Please note that in this case, **the file must be uploaded in the XML format**, for example converted from the original CSV.
- If you have revisions for periods older than 2024, contact the Bank of Finland.



# Instructions for using the system

Financial Statistics  
Suomen Pankki



# Instructions for using the system

## Contents:

- Quick Suomi.fi guide
- Converter instructions
- Material and communications
- Instructions for smooth use of the system
- RATI and MURA feedback calculations and SIRA/PEF view





# Presentation of the Suomi.fi service

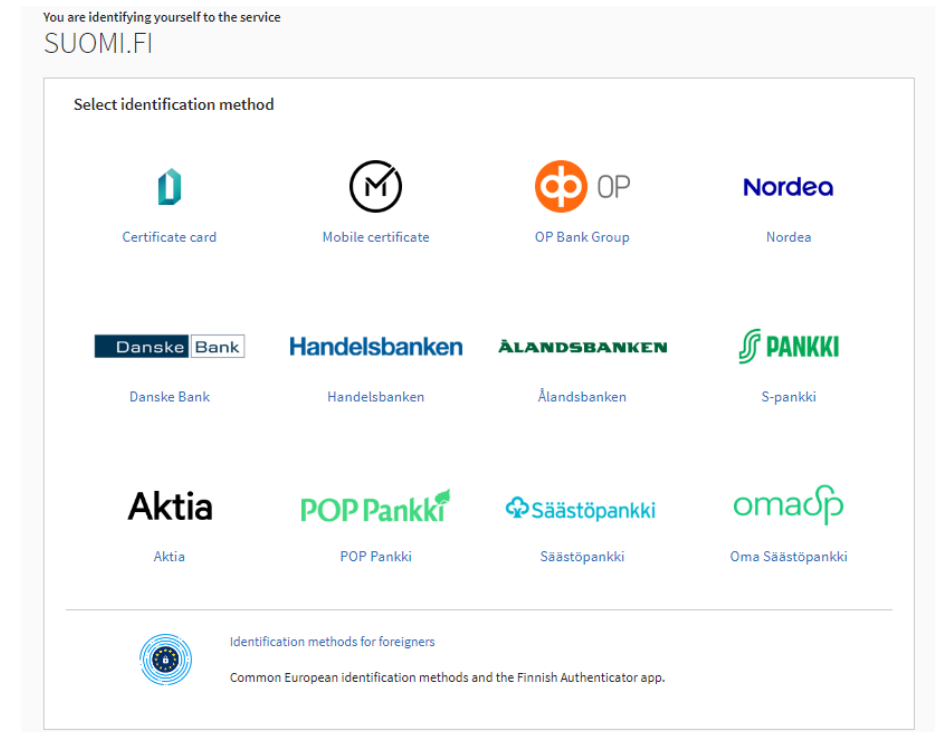
Senja Kallio

Financial Statistics  
Suomen Pankki



# Suomi.fi identification: logging in the portal

- Logging in the Reporter Portal and Validation Service requires strong authentication through the Suomi.fi identification service
  - Login requires: a personal identification tool, a mandate, and a reporting obligation in the portal for the entity on behalf of which the person reports
- Reporters log in with a personal identification tool
  - When the reporter has a Finnish personal ID: banking IDs, certificate card or a mobile certificate
  - If the person responsible for reporting does not have a Finnish personal ID, they must register a foreign individual's unique identifier (UID) for themselves
- Sharing a mandate also requires that the recipient has a Finnish personal ID or an UID



# Suomi.fi eAuthorizations service

- Access authorisation to represent an entity is set in [the Suomi.fi eAuthorizations service](#)
- The reporter must have a mandate from the entity under the reporting obligation to report on its behalf (except for funds under the reporting obligation, in which case mandates are sought on behalf of the management company instead of individual funds)
- Mandates for the reporter can be granted by a person authorised to represent the entity according to a basic register or the register of mandates
  - Basic registers: Trade Register, Business information system and the register of associations
  - Example: the managing director of an entity under the reporting obligation grants mandates for an employee responsible for reporting
  - Persons in a role with authorisation to represent must also grant a data collection-specific mandate for themselves
- [Authorisation with an application](#): If an entity's basic register information cannot be used to grant mandates, the entity may apply for the right to grant mandates from the register of mandates
  - Examples: The entity does not have representatives entered in the Trade Register, all representatives are foreign persons; a foreign company (no Business ID)

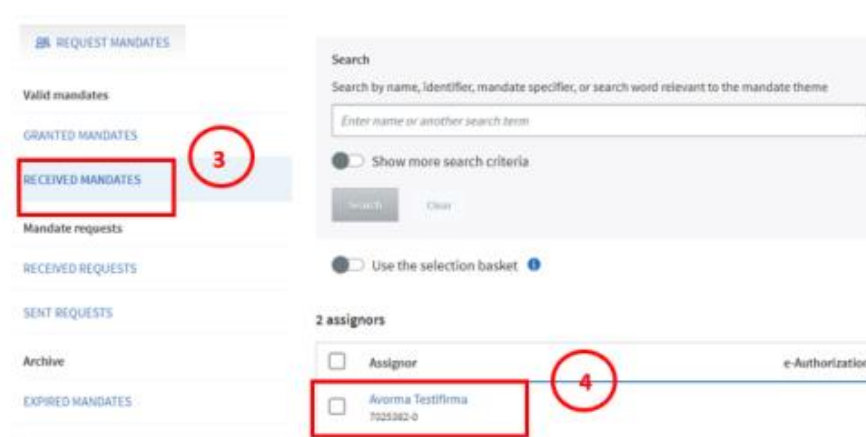
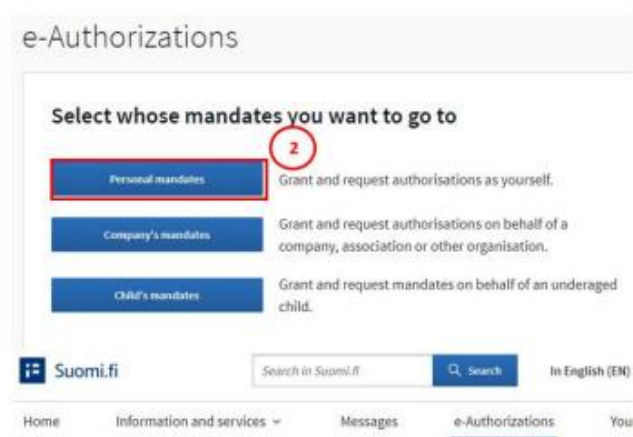
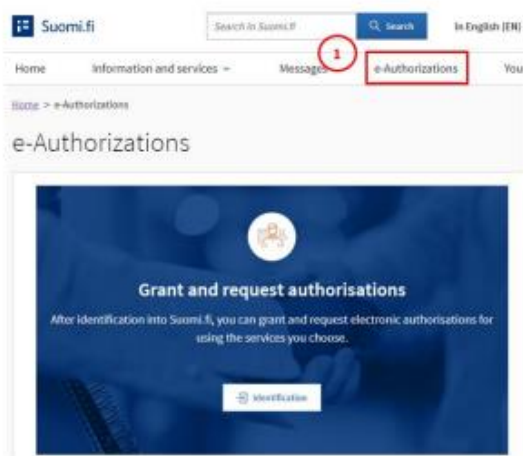
# Bank of Finland's mandate themes

Each Bank of Finland data collection has its own mandate theme

- Consolidated data collection (KOTI): **Reporting data for consolidated data collection**
- Credit data reporting (LUOTI): **Credit data reporting**
- Collection of payment and fraud data (MAPE) **Reporting of payments and fraud data**
- Collection of statistical data on other financial institutions (MURA): **Reporting balance sheet information of other financial institutions**
- Collection of balance sheet data on private equity funds (PEF): **Reporting of private equity fund balance sheet data**
- Collection of data on monetary financial institutions (RATI): **Collection of statistics by financial institutions**
- Survey of securities-based assets and liabilities of non-financial corporations, financial corporations and central government (SAVE) **Reporting on securities-based assets and liabilities**
- Collection of data on investment fund balance sheets (SIRA): **Reporting balance sheet information concerning investment funds**
- Survey of deposit banks and investment firms providing custody and asset management services (TIHA): **Reporting of data on securities custody**
- Mandate specifier not used

# Practical instructions: checking mandates

1. Log into the Suomi.fi e-Authorizations service: <https://www.suomi.fi/e-authorizations>
2. Log in using a personal identification tool
3. Select personal mandates
4. On the personal mandates page, select “Received mandates”
5. Select the entity whose granted mandates you want to view



# Practical instructions: checking mandates

6. Check that the mandate corresponds to the requirements of the reporter portal and the validation service

The screenshot shows a web interface for managing mandates. At the top, there is a section titled "Selected mandates (0)" with a checkbox. Below this, a list of mandates is displayed. The first mandate is "Reporting on securities-based assets and liabilities" with a subtext "Mandate for transactions | 27.05.2024 - 26.05.2029". This entire list item is enclosed in a red box labeled with a red circle containing the number 5. To the right of this list item, there is a box containing the text "Mandate: 'Reporting on securities-based assets and liabilities' (SAVE)". Below the list, the interface is divided into two columns: "Assignor" and "Assignee". Under "Assignor", the text "Avorma Testifirma, 7025382-0" is shown. Under "Assignee", the text "Maria Enberg, 221274-974C" is shown. Below the "Assignor" column, there is a section titled "Mandate type" with a red box labeled with a red circle containing the number 6. The text "Mandate for transactions" is displayed below this title. To the right of this, there is a box titled "Mandate theme is one of the following:" containing a bulleted list: "Mandate for transactions" and "Mandate to represent". Below the "Mandate type" section, there is a section titled "Mandate description" with the text "This mandate allows the assignee to submit a report on securities-based assets and liabilities on behalf of the assignor." To the right of the "Assignee" column, there is a section titled "Period of validity" with the text "27.05.2024 - 26.05.2029". At the bottom right, there is a box labeled "Mandate is valid at the time" and a red box labeled with a red circle containing the number 7, which contains the text "VALID" followed by a green dot.

☐ Selected mandates (0)

☐ Reporting on securities-based assets and liabilities  
Mandate for transactions | 27.05.2024 - 26.05.2029

**Assignor**  
Avorma Testifirma, 7025382-0

**Assignee**  
Maria Enberg, 221274-974C

**Mandate type**  
Mandate for transactions

**Mandate description**  
This mandate allows the assignee to submit a report on securities-based assets and liabilities on behalf of the assignor.

Mandate theme is one of the following:

- Mandate for transactions
- Mandate to represent

**Period of validity**  
27.05.2024 - 26.05.2029

Mandate is valid at the time

VALID ●



# Practical instructions: Management of mandates

- Authorisation and authentication is made entirely using Suomi.fi mandates
  - In contrast with the current DCS2 system, a service provider cannot be authorised directly in the eRegulatory system
- Users are recommended to log in concurrently for all entities that have granted them rights to the reporter portal
  - This ensures that the user receives email messages on behalf of all entities that have granted them a mandate
- Entities must check their granted mandates twice a year in the Suomi.fi eAuthorizations service to ensure that they are consistent with the duties of the personnel receiving the mandates
- When an employment contract ends, it is the employer's duty to ensure that mandates for the Bank of Finland's reporting system are terminated via Suomi.fi mandate management
  - The user must ensure that email notifications of new messages in the reporter portal have been deactivated before a mandate is terminated
  - If email notifications have not been deactivated and the mandate has already been terminated, please contact [ReportingSupport@bof.fi](mailto:ReportingSupport@bof.fi).

# More information on Suomi.fi services in Reporter Portal

- Instructions provided by the Bank of Finland to reporters
  - [User instructions of the Suomi.fi e-authorization service for users of the reporter portal](#)
  - [General description of the Suomi.fi service for users of the reporter portal](#)
  - [Suomi.fi authentication and authorisation for funds \(SIRA, PEF\)](#)
- Instructions provided by Suomi.fi
  - [Information on the e-Authorizations service](#)
  - [Information on authorisation with application](#)
  - [Information on the identification service](#)
  - [Information on UID](#)
- Questions
  - General questions and mandates concerning Suomi.fi services: [organisaatiopalvelut@dvv.fi](mailto:organisaatiopalvelut@dvv.fi)
  - Questions concerning the reform of the reporting system: [ReportingSupport@bof.fi](mailto:ReportingSupport@bof.fi)



# Converter

Jouni Ruhtila

Financial Statistics  
Suomen Pankki



# CSV → XML converter

- The purpose of the converter is to facilitate the transition from csv to xml before the reporters' own systems have been changed in this respect.
- The converter (**Bof.Stat.DCS.Converter**) will be shared as source code in [GitHub](#).
- The converter is a temporary tool, and the Bank of Finland's resources to support its use are limited.
- There is also an executable version (.exe) of the converter.
- Companies may have, for example, information security restrictions about executing/running externally downloaded software on the company network.

# CSV → XML converter – continued

- For the executable software, the computer needs runtime files (such as .NET 6) that you must install yourself.

- Execute, for example:

```
C:\konvertteri>Bof.Stat.DCS.Converter.Console.exe MAPE_2021Q01.csv
```

```
14:05:50 Handling CSV-file C:\DATA\CSV_TO_XML\Konvertteri\MAPE_2024Q01.csv...
14:05:51 Converting file C:\DATA\CSV_TO_XML\Konvertteri\MAPE_2024Q01.csv...
14:05:52 Writing file C:\DATA\CSV_TO_XML\Konvertteri\████████_VAT_Q_MAPEQ_2024-03-31_20240425122509000.XML...
```

- Most common errors:
  - Incorrect file data type, extra “ characters in the row, “” characters in a value field, too short creation date, missing seconds
- The converter is not a validator and does not correct original data; it only carries out conversion of the format (excl. MURA frequency M->Q)

# CSV → XML converter - continued

- File names generated by the converter are accepted by the new system.
- The converter has been tested rather extensively (using files that have passed the present system).
- We also use the converter in our own activities.
- 100% performance cannot be guaranteed, and only limited support can be provided.
- Malfunction of the converter is not an acceptable reason for missing a reporting deadline



# CSV-> XML converter – example

```
000;A;FI12345678;SAVE;P;2024M04;20240506085151;3742;;20240506091841;;  
SBS;A;FI12345678;A;;52;;F2;;;Company 2;;10;0;USD;;;10;USD;N;;0;;;;;;;;0;;;1242;DK
```

```
<?xml version="1.0" encoding="utf-8"?>  
<saveReport xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsc="http://www.fin.fi/xmlns/xsc" >  
  <header>  
    <typeOfDataProviderIdentifier>VAT</typeOfDataProviderIdentifier>  
    <dataProviderIdentifier>FI12345678</dataProviderIdentifier>  
    <typeOfReporterIdentifier>VAT</typeOfReporterIdentifier>  
    <reporterIdentifier>FI12345678</reporterIdentifier>  
    <surveyCode>SAVE</surveyCode>  
    <reportingPeriodEnd>2024-04-30</reportingPeriodEnd>  
    <frequency>M</frequency>  
    <creationDate>2024-05-06T08:51:51</creationDate>  
  </header>  
  <sbsRecords>  
    <sbs>  
      <category>A</category>  
      <instrument>52</instrument>  
      <internalIdentificationCode>F2</internalIdentificationCode>  
      <instrumentName>Company 2</instrumentName>  
      <numberOfInstruments>10</numberOfInstruments>  
      <totalNominalValue>0</totalNominalValue>  
      <nominalCurrency>USD</nominalCurrency>  
      <totalMarketValue>10</totalMarketValue>  
      <marketCurrency>USD</marketCurrency>  
      <intraGroupItem>false</intraGroupItem>  
      <dividends>0</dividends>  
      <couponFrequency>0</couponFrequency>  
      <issuersSector>1242</issuersSector>  
      <issuersHomeCountry>DK</issuersHomeCountry>  
    </sbs>  
  </sbsRecords>  
</saveReport>
```



# Material and communications

Financial Statistics  
Suomen Pankki



# Communications and materials

- In early 2025, key material will still be available on the site for the reform project: [Instructions and recordings concerning the reporting system](#)
- Guidance for new reporters on using the eRegulatory service can be found in video format at the end of the recording of the spring reporter webinar: [Reform of the Bank of Finland's data collection service – Reporting webinar 30 May 2024](#)
- During January–February, we will move the material to the data collection-specific sites when the Bank of Finland's project comes to an end
- Reporting instructions about the last batch to be moved to production will be published during the first part of the year

# Communication to and from the Bank of Finland

- The primary channel for confidential information is the message functionality in the Reporter Portal
- Reporting specialists can also see reports showing an error in their portal and can run a validation report
- There is no need to send reports separately with messages
- As usual, please contact us in time if you have reporting challenges
- We are in the process of developing the deadline messages, so that only one message would be sent
- For data security reasons, the content of these email messages is very generic



# Instructions for smooth use of the system

Financial Statistics  
Suomen Pankki



# Subject matter

- Validation feedback
- Using a form
- Frequently asked questions
- Separate views for SIRA, PEF, RATI and MURA data collections





# Validation feedback

Financial Statistics  
Suomen Pankki



# Validation feedback







- Feedback is available in an XML, HTML and Excel format
- In the Excel format, it is the easiest to drill down to errors by clicking on “NOK” on the first sheet
- Rule of thumb: always start by revising schema validations (error message: Invalid Schema, Validation feedback part: Structure), because these shortcomings also trigger other validations

Validation	Status
Validations: 'MURA.rsc'	OK
Schema 'MURA_1.1.2.xsd'	NOK
Validations: 'Additional checks'	OK

# Validation feedback

- There are three types of validations
  - data collection-specific validations
  - Schema validations
  - General validations

Validation	Status
Validations: 'MURA.rsc'	OK
Schema 'MURA_1.1.2.xsd'	NOK
Validations: 'Additional checks'	OK

File validation	Ticket status	Feedback report	Original file	Ticket feedback code	Report
	None				Invalid checks.
	None				Invalid schema.
	None				Invalid additional checks.

# Validation feedback: Schema errors

- It is recommended that you start revisions from schema validations. This makes it easier to make revisions based on content validations.
- In the example, the type of data provider was left empty in the Header table

```
<?xml version="1.0" encoding="utf-8"?>
<muraReport xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd=
  <header>
    <typeOfDataProviderIdentifier></typeOfDataProviderIdentifier>
    <dataProviderIdentifier>FI02022481</dataProviderIdentifier>
    <typeOfReporterIdentifier>VAT</typeOfReporterIdentifier>
```

- Interpretation of schema errors is laborious – try to find the field name in the notification

Schema 'MURA\_1.1.2.xsd' - 1 error(s)

Error in the document at line 6. Value "" of node 'typeOfReporterIdentifier' must be one of these values ""VAT"".

# Validation feedback: General validations

- Second rule of thumb: make sure the Header table and file name are ok
- This is found under additional validations, and the next example shows that these errors trigger many other errors:
- In the example, the period-end date is incorrect, and data collection codes in the name and within the file do not match.

Validation	Status
Validations: 'MURA.rsc'	NOK
Schema 'MURA_1.1.2.xsd'	NOK
Validations: 'Additional checks'	NOK

You will find detailed instructions in the description of electronic reporting ([link to the instructions](#))


VAT\_Q MURA 2024-03-31\_20241022134547000.XML - Notepad

File Edit Format View Help

```
<?xml version="1.0" encoding="utf-8"?>
<muraReport xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema-instance">
  <header>
    <typeOfDataProviderIdentifier>VAT</typeOfDataProviderIdentifier>
    <dataProviderIdentifier>FI02022481</dataProviderIdentifier>
    <typeOfReporterIdentifier>VAT</typeOfReporterIdentifier>
    <reporterIdentifier></reporterIdentifier>
    <surveyCode>SAVE</surveyCode>
    <reportingPeriodEnd>2024-03-30</reportingPeriodEnd>
  </header>
</muraReport>
```

# Validation feedback: General validations

- Under Additional validations, you will find validations for the Header table concerning all data collections and a few general validations concerning the file submission date:



Group	Status	Active	Precondition
HEADER	NOK	TRUE	
GeneralValidation	NOK	TRUE	

Validation	Status	Label
Header_04_001	OK	Invalid value for type of reporter's identifier. Type of reporter's identifier must be the same as the one in the file name.
Header_05_001	OK	Invalid value for reporter's identifier. Reporter's identifier must be the same as the one in the file name.
Header_06_001	NOK	Invalid value for survey code. Survey code must be the same as the one in the file name.
Header_07_001	OK	Invalid frequency. Frequency must be the same as the one in the file name.
Header_08_001	NOK	Invalid reporting period. Reporting period must be the same as the one in the file name.
Header_09_001	OK	Extracted time must match file time stamp, but in format YYYY-MM-DDThh:mm:ss.

Validation	Status	Label
ALL_000_5	NOK	Invalid reporting period.
ALL_000_6	OK	Reporting period cannot refer to a future date.
ALL_000_8	OK	Creation date and time cannot refer to a future date.

# Validation feedback: data collection-specific validations

- You will find the data collection-specific validations in the Excel report as follows:

Validation	Status
Validations: 'MURA.rsc'	NOK
Schema 'MURA_1.1.2.xsd'	OK
Validations: 'Additional checks'	OK

- Click on “NOK” to open a sheet listing the tables:

Group	Status	Active	Precondition
Header	OK	TRUE	
BS	OK	TRUE	
LD	NOK	TRUE	
REST	OK	TRUE	
SBS	OK	TRUE	
MURA	OK	TRUE	

# Validation feedback: data collection-specific validations

- There was an error in the Loan record in the allocation of balance sheet items field: Asset A was incorrectly labelled as liability L. This fictitious error triggered many error messages.

```
<ldRecords>
<ld>
  <allocationOfBalanceSheetItem>L</allocationOfBalanceSheetItem>
  <transaction>E</transaction>
  <instrument>47311</instrument>
  <purposeOfLoan>N</purposeOfLoan>
  <intraGroupItem>M</intraGroupItem>
```

Validation	Status	Label
MURA_LD_04_001	OK	Invalid value for allocation of balance sheet items. Value is asset "A", liability "L" or off-balance sheet item "O".
MURA_LD_05_001	OK	Invalid value for transaction. In the LD record, asset is stock "S", flow "F" or new drawdown "D".
MURA_LD_05_002	NOK	Invalid value for transaction. In the LD record, liability is stock "S".
MURA_LD_05_003	OK	Invalid value for transaction. In the LD record, off-balance sheet item "O" is either stock "S" or flow "F".
MURA_LD_07_001	OK	Invalid value for instrument. Value must be from Code list 8: Instrument.
MURA_LD_07_002	OK	Invalid value for allocation of balance sheet items or instrument. If allocation of balance sheet items, value must be "A", "L" or "O".
MURA_LD_07_003	NOK	Invalid value for allocation of balance sheet items or instrument. If allocation of balance sheet items, value must be "A", "L" or "O".
MURA_LD_07_004	OK	Invalid value for transaction or instrument. If transaction is new drawdown facilities "E" or "D", value must be "A", "L" or "O".
MURA_LD_09_001	OK	Invalid value for allocation of balance sheet items, transaction or securitisation and loan. If allocation of balance sheet items, value must be "A", "L" or "O".
MURA_LD_09_002	OK	Invalid value for allocation of balance sheet items, transaction or securitisation and loan. If allocation of balance sheet items, value must be "A", "L" or "O".
MURA_LD_09_003	OK	Invalid value for allocation of balance sheet items, transaction or securitisation and loan. If allocation of balance sheet items, value must be "A", "L" or "O".
MURA_LD_09_004	OK	Invalid value for allocation of balance sheet items, transaction or securitisation and loan. If allocation of balance sheet items, value must be "A", "L" or "O".
MURA_LD_10_001	OK	Invalid transaction period. Transaction period must be in format <YYYY>M<MM>.
MURA_LD_10_002	OK	Invalid transaction period, transaction or reporting frequency. If transaction is "F" value must be "A", "L" or "O".
MURA_LD_10_003	OK	Invalid 1) transaction period, 2) transaction, 3) reporting frequency. If fields are entered IF
MURA_LD_13_001	OK	Invalid value for allocation of balance sheet items, transaction or purpose of loan. If allocation of balance sheet items, value must be "A", "L" or "O".
MURA_LD_13_002	OK	Invalid allocation of balance sheet items, transaction, sector or purpose of loan. If allocation of balance sheet items, value must be "A", "L" or "O".
MURA_LD_13_003	OK	Invalid 1) allocation of balance sheet items, 2) transaction, 3) instrument, 4) sector or 5) IF
MURA_LD_13_004	OK	Invalid 1) allocation of balance sheet items, 2) transaction, 3) instrument, 4) sector or 5) IF
MURA_LD_13_005	OK	Invalid 1) allocation of balance sheet items, 2) transaction, 3) instrument, 4) sector or 5) IF
MURA_LD_13_006	OK	Invalid 1) allocation of balance sheet items, 2) transaction, 3) instrument, 4) sector or 5) IF
MURA_LD_13_007	OK	If allocation of balance sheet items is A or O and transaction is S, F or E and instrument IF
MURA_LD_13_008	OK	If allocation of balance sheet items is "L", field "Purpose of loan" must be "N" or null.
MURA_LD_13_009	OK	Invalid 1) allocation of balance sheet items, 2) transaction, 3) instrument, 4) sector or 5) IF
MURA_LD_14_001	OK	Invalid value for allocation of balance sheet items, transaction or intra-group items. If allocation of balance sheet items, value must be "A", "L" or "O".
MURA_LD_14_002	OK	Invalid value for sector or intra-group items. If allocation of balance sheet items is "A" or "O", value must be "A", "L" or "O".
MURA_LD_14_003	OK	Invalid value for intra-group items. If instrument value is "221" or "222", field "intra-group item" must be "A", "L" or "O".
MURA_LD_16_001	OK	If allocation of balance sheet items is "A" or "O", and transaction is "S" or "E", and security IF
MURA_LD_16_002	OK	If allocation of balance sheet items is "A" or "O", transaction is "S" or "E" and instrument IF
MURA_LD_19_001	OK	Sector is invalid. Field "Sector" must be filled.
MURA_LD_19_002	OK	Invalid value for country code or sector. If country code is "FI", sector must be some other IF
MURA_LD_19_003	OK	Invalid value for country code or sector. If country code is some other than "FI", sector IF









# Problems with validations

- If you encounter a difficult validation error you cannot resolve yourself, contact the Bank of Finland through the communication module  
→ no need to send the file separately, our specialists will see validation feedback in the portal
- If no validation feedback is generated, save the error message and submission time to the Bank of Finland

# Successful reporting

- When a report has been validated and successfully sent to the Bank of Finland, the File status will be **Siirretään/Extracting** and a **ticket number** will be displayed
- The Extracting status indicates that the file has been sent to the Bank of Finland

File submitted	File loaded	Size (KB)	User	Submission date	File status	File validation	Ticket status	Feedback report	Original file	Ticket feedback code	Report
 31_20240118171540000.XML		15,594		08/10/2024 10:17:09	Extracting		Extracting				Ticket number: 10A87D0196734B969CA0232837FD45F4



# Form instructions

Financial Statistics  
Suomen Pankki



# Using a form

- During the project, certain limitations were found in the use of forms:
  - You cannot import more than 500 rows (for example an SBS table) to a single table
    - The table will be jammed by a larger volume
  - When you use the Excel import function, it is important that the Excel fields do not have excess characters, such as paragraph breaks or empty rows
    - The files will be received by the Bank of Finland, but the structure of the file will be somewhat disintegrated
    - Regnology will seek to prevent the generation of such files going forward
- Tail reporters in the RATI and MAPE data collections:
  - In the Header table in RATI, period is always M, even where quarterly reporting is concerned
  - In MAPE, the period is always H1 and H2 even where annual reporting is concerned

# Revision reports

- Note that if you are revising a previous period, you do not have to separately annul a report (as with the FIN-FSA) → send a message in the communication module that you have revised the data
- A report already submitted once to the Bank of Finland cannot be edited directly on the form. You have to re-create the form, export the data on the previous submitted report to Excel files and upload it to the system again
  - See the following chapters in the User instructions for the reporting system: 9 Downloading the submitted report and 7.2.1.1 Creating a form for the first time
- Instructions for editing a previously sent report or making a new report based on last month's report are presented below → The same instructions apply to both cases

# Form-based reporting: Editing a sent report

Note: do not change the language settings between these actions

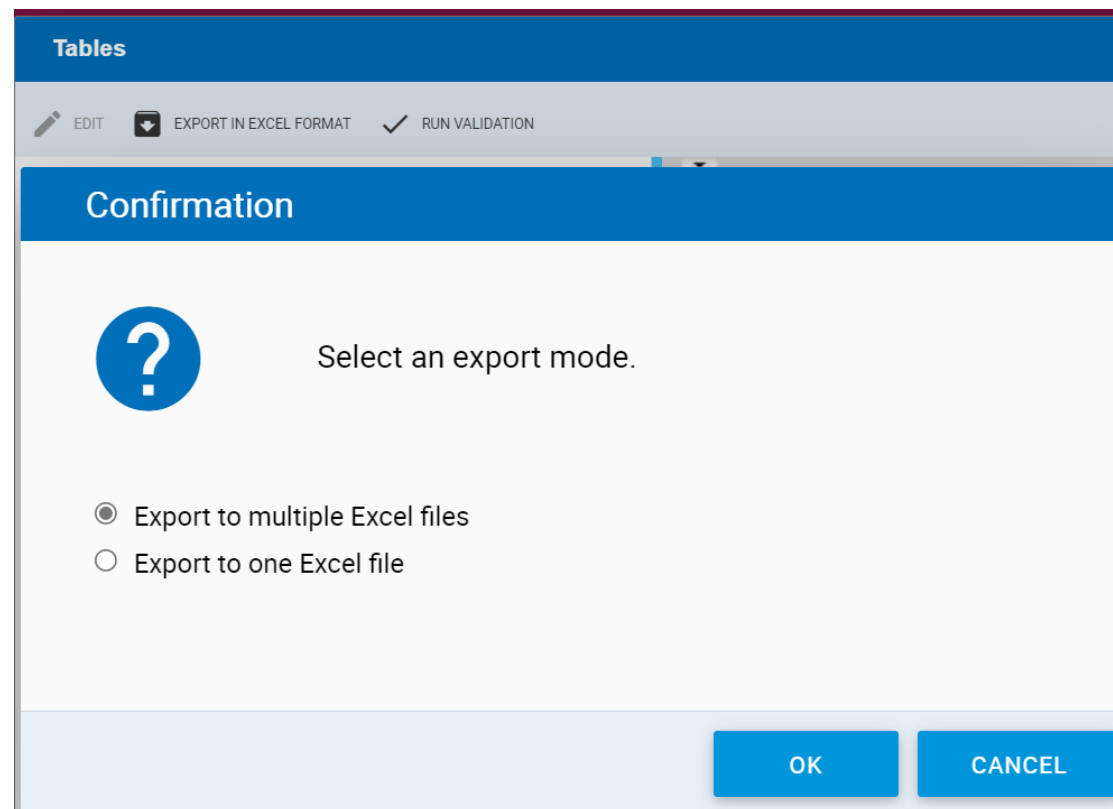
1. Select the report, activate the rows for the period and click Visualize

The screenshot shows the 'Reporting Forms > Tables' interface. At the top, there's a header bar with navigation arrows. Below it, a filter bar shows 'Filing deadline : 12/07/2024 to 12/07/2024' and 'Reporting year : 2024'. A row of buttons includes 'Filing type : SAVE X', 'Reporting level : DEFAULT X', 'Group of entities : 04 X', and 'Entity'. The main section is titled 'List of tables'. A toolbar contains icons for 'VISUALIZE' (highlighted with a red box), 'COMPARE', 'EDIT', 'RUN VALIDATION', 'APPROVE', 'EXPORT', and 'HISTORY'. Below the toolbar, a table lists reporting forms with columns: Filing type code, Entity label, Identifier (LEI), Default identifier, Reporting level code, Table code, and Table label. The table contains two rows, both with 'SAVE' as the filing type code and 'DEFAULT' as the reporting level code.

Filing type code	Entity label	Identifier (LEI)	Default identifier	Reporting level code	Table code	Table label
+	SAVE			DEFAULT	HEADER	HEADER
+	SAVE			DEFAULT	SBS	SBS

# Form-based reporting: Editing a sent report

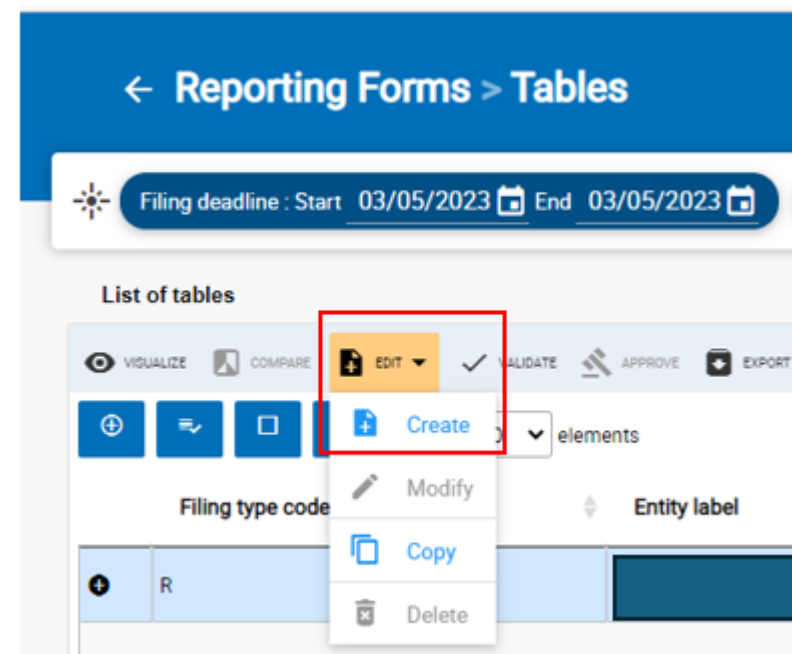
2. Choose Export in Excel format
3. This downloads a zip file where you will find the data send in Excel format
4. Edit the relevant rows and cells



The screenshot shows a web interface titled 'Tables'. At the top, there is a navigation bar with three options: 'EDIT' (with a pencil icon), 'EXPORT IN EXCEL FORMAT' (with a download icon), and 'RUN VALIDATION' (with a checkmark icon). Below this is a 'Confirmation' dialog box. The dialog has a blue header with the word 'Confirmation'. Inside the dialog, there is a large blue circle with a white question mark. To the right of the question mark, the text 'Select an export mode.' is displayed. Below this, there are two radio button options: 'Export to multiple Excel files' (which is selected) and 'Export to one Excel file'. At the bottom right of the dialog, there are two blue buttons: 'OK' and 'CANCEL'.

# Form-based reporting: Editing a sent report

5. When you edit a period that has already been sent or a new period, you have to create the form from the start by clicking Create





# Form-based reporting: Editing a sent report

**6. Save** the form first and then select Import an Excel file. Import the Excel file you edited earlier to the form:

The screenshot shows a web interface titled 'Tables'. At the top, there is a toolbar with several icons and labels: 'EXPORT IN EXCEL FORMAT', 'IMPORT AN EXCEL FILE' (highlighted with a red box), 'RUN VALIDATION' (with a checkmark icon), 'SAVE' (with a floppy disk icon), 'CLEAR SHEET' (with a trash can icon), 'CLEAR ROW' (with a trash can icon), and 'CLEAR COLUMN' (with a trash can icon). Below the toolbar, there is a grid with columns labeled A, B, and C, and rows numbered 1 through 7. A small green icon with a downward arrow is visible in the grid area. To the right of the grid, there is a section labeled 'SBS Record' containing a table with two columns: 'Category' and 'Contract Type'. The 'Category' column has the value '0010' and a dropdown arrow. The 'Contract Type' column has the value '0020'.

Category	Contract Type
0010	0020

**7. Save** the data. Complete other data, validate the report and send.



# Frequently asked questions

Financial Statistics  
Suomen Pankki



# Logging in

- If you cannot log in, ensure that your Suomi.fi mandates are in order
- Do you have to re-apply for the mandates? No, if you have previously reported in DCS2 for the data collection and logged in with a Suomi.fi user ID. Otherwise you do, also if you have already reported to the FIN-FSA in eReg. Mandates are data collection-specific.
- Select Email as your contact information: Check the Be notified box to be notified about messages received in the communication module as well as overdue notifications.

# Technical operation of the portal

- The version of the eRegulatory system is updated several times a year; clearing the cache on a monthly basis is recommended.
- For example, if you are in the Monitoring of reporting view and you select filters in the top banner, the loading icon may revolve for a long time, you can close the icon by clicking the cross button.
- **When uploading a report file, do not close the session.** If the uploading times are unreasonably long, contact the Bank of Finland.

# Files

- You can submit several report files at the same time by compressing the reports into a ZIP file. There are no restrictions for naming the ZIP file.
- Special functionalities in the form under Export:
  - You can export a whole XML (File) from a valid submitted report
  - File can also be downloaded to Excel


The screenshot displays the 'Reporting Forms > Tables' interface. At the top, there are filters for 'Filing deadline' (12/07/2024 to 12/07/2024) and 'Reporting year' (2024). Below these are buttons for 'Filing type: SAVE', 'Reporting level: DEFAULT', 'Group of entities: 04', and 'Entity'. The main section is titled 'List of tables' and contains a toolbar with icons for 'VISUALIZE', 'COMPARE', 'EDIT', 'RUN VALIDATION', 'APPROVE', 'EXPORT', and 'HISTORY'. The 'EXPORT' button is highlighted, and a dropdown menu is open, showing options: 'Excel with checks', 'Excel without checks' (highlighted with a red box), 'Validation report ZIP', and 'File' (highlighted with a red box). Below the toolbar, there is a table with columns: 'Filing type code', 'Entity label', 'Identifier (LEI)', 'Default identifier', and 'Table label'. The first row of the table is labeled 'SAVE' and 'HEADER'.

# Files

- Previously sent reports can be found in the Monitoring of reports, Reporting Forms or Load files views
- However, note that a file containing errors is shown in the Load files view for less than 24 hours. Therefore, you should immediately save the validation feedback.
- Successfully sent files can be found on the page for a few months.

**Load files**

Click the button below to select a file, then click the Load button.






FILE 

Reporting year Period Entity Filing type Taxonomy Reporting level User User groups

Submission date: 01/10/2024 11:00 to Integration status File status File validation File ticket status

Ticket feedback code File Report Ticket workflow

Display 100 elements Search:

File submitted	File loaded	Size (KB)	User	Submission date	File status	File validation	Ticket status	Feedback report	Original file
		82		06/11/2024 12:49:21	Extracting		Extracting		



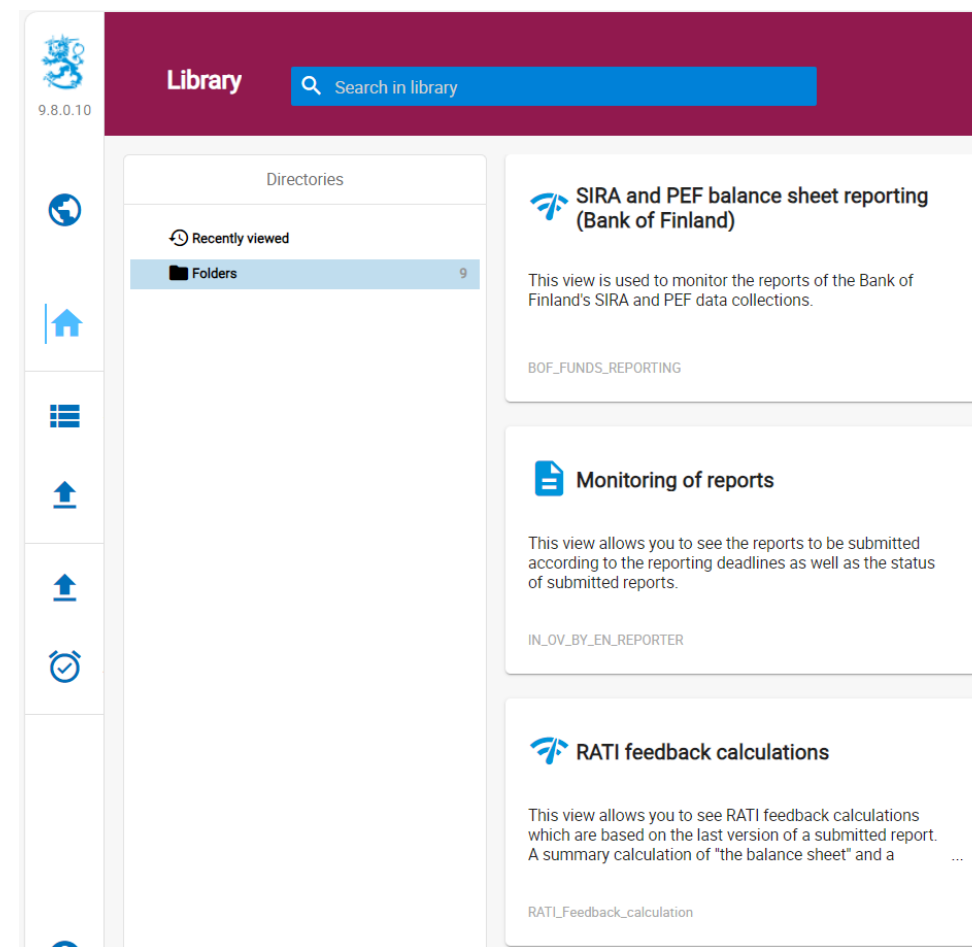
# Separate views for SIRA-, PEF-, RATI and MURA data collections

Financial Statistics  
Suomen Pankki



# Separate views

- SIRA, PEF and RATI views are displayed to reporters on the homepage of the portal
- These views do not contain data for other data collections
- We urge you not to try these views if you do not report in these data collections.





# RATI feedback calculations

- Due to technical delivery challenges, the preliminary minimum reserve and balance sheet calculation for RATI were late for the start of production.
- RATI minimum reserve calculation was brought to production in November
- RATI balance sheet calculation was introduced to production this week
- Both calculations are initially only available in English
- The language versions of the calculations will be in production in early 2025 in connection with an update of the main version
- At the same time, the usability of the calculations will be improved

# RATI/MURA feedback calculations

- The balance sheet calculation will be formed in eREG only after the report has been sent. The balance sheet must be validated in the reporter's own system before the file is sent
- Testing of the MURA balance sheet calculation begins at the Bank of Finland in January. We will seek to bring it to production as fast as possible
- We will communicate specifically when MURA calculations are in production
- Instructions have been published on the RATI calculations ([link to the instructions](#))

# SIRA/PEF supervision view

- A separate view has been designed to facilitate the progress in the monitoring of reporting. It enables one to see the status of each management company/fund easily:

← SIRA and PEF balance sheet reporting (Bank of Finland)			
Filing deadline : <input type="text"/> to <input type="text"/> Reporting year : 2024 × Period : 11 ×			
Manager of the Funds (for BoF funds reporting modules) Manager names of the Funds (for BoF fund reporting modules)			
BOF Funds Reporting Collection / Manager names of the Funds (for BoF fund reporting modules) / Manager of the Funds (for BoF fi			
	Expected	Loaded/Created	Extracting
–  Rahastoyhtiö Oy			
–			
-sijoitusrahasto	1/1	0/1	0/1
-sijoitusrahasto	1/1	0/1	0/1
-sijoitusrahasto	1/1	0/1	0/1



# Changes to data collections (SIRA, PEF, LUOTI) in 2025 and overview of schema adjustments

Financial Statistics  
Suomen Pankki



# data collection-specific changes

- In the LUOTI data collection, there will be changes in the composition of the files.
  - File naming will change, file splitting will end, the header file will be removed from use and the schema of the feedback report of the data collection system will change. The schema of the BoF feedback report will not change.
- In SIRA data collections, a specific file will be generated for each fund. Fund reports on a single manager's all funds can be provided as a single zip file to eREG.
- There will be changes to the SIRA and PEF data collections due to the new Investment Fund Regulation at the end of 2025. The XML converter provided by the Bank of Finland to reporters will be retired from use following the changes.
- MURA tail reporting will change: annual reporting ends and this reporting group will report at the Q frequency in the future.

# Code lists for each data collection may be updated annually (except for LUOTI)

- At present, it is not known whether the code lists will change in 2025
- If the code list changes, it always means a schema change, too
- This means that reporting must be made in accordance with the current version even if the change only concerns a few codes
- The converter will function regardless of changes to the code list

Example of the start of an XML file:

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<muraReport xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema" schemaVersion="1.0" xmlns="http://bof.fi/MURA">
```

# SIRA/PEF: changes resulting from the Investment Fund Regulation 2025

- The new SIRA and PEF specifications (content validations and schemas) will be provided to reporters before summer 2025
- Reporting starts from the period 2025M12 i.e. 1 January 2026
- Testing will be possible with the new specifications at the latest at the beginning of December 2025 in the Validation Service test environment
- The investment fund team will communicate about the changes and schedule in more detail
- The XML converter provided by the Bank of Finland to reporters will be retired from use following the changes.

# Changes in LUOTI in 2025

- A new schema will be used starting from the 2025M03 reporting period
- The LUOTI team will communicate separately about changes concerning the LUOTI data collection





# Questions

[reportingsupport@bof.fi](mailto:reportingsupport@bof.fi)

Financial Statistics  
Suomen Pankki

