**Technical documentation –
Reporting of IRIS**

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S V E R I G E S   R I K S B A N K

Table of contents

Document history

Version	Date	Description
1.0	2020-05-10	First version

1 Background

This document describes the technical aspects of reporting IRIS data to Sveriges Riksbank. Data is submitted to Riksbanken VIDAR system.

2 Onboarding of reporting agent

The onboarding process is described in following steps:

Step 1: Request for access

The reporting agent downloads and fills out the form "Registration of authorisation for

the VIDAR system" which have been provided by Sveriges Riksbank by e-mail.

Step 2: User credential and connection details

Sveriges Riksbank provides user account and connection details via e-mail for each reporter in test

environment and production environment.

Step 3: Connection test

The reporting agent tests connection to VIDAR system. The test should be done from the

IP address specified in step 1 and by using the user credential received in step 2.
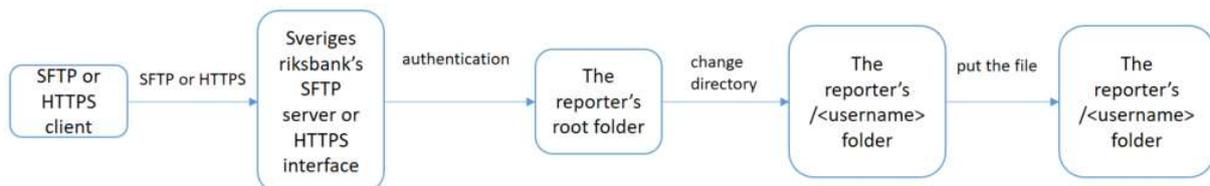
Step 4: File transfer test

The reporting agent sends test files to Sveriges Riksbanks test environment.

Step 5: Production

Upon instructions of Sveriges Riksbank, the reporting agent starts sending files to the

Production environment.

3 Reporting process

There are two options of reporting to Sveriges Riksbank, SFTP and HTTPS.

If error occurs during the reporting, the process exits.

3.1 Secure file transfer (SFTP)

The system VIDAR provides each reporting agent with a unique user account. The reporting agent connects to VIDAR from a SFTP client. After a successful login, the reporting agent finds the folder *<username>* under the root folder.

- The reporting agent can then upload files to the *<username>* folder.
- VIDAR automatically reads from the *<username>* folder and retrieves the files with expected file name and format. Uploaded files are removed from the *<username>* folder are soon as they are successfully retrieved.

3.2 Reporting via HTTPS

The reporting agent can manually uploads files via a web based user interface. The same user account for SFTP transfer applies to the web based user interface. The reporting agent accesses the interface by visiting the HTTPS address specified by Sveriges Riksbank.

The reporting agents root folder is presented after a successful login. The reporting agent can then change to the subfolder *<username>* and upload files by following instructions on the webpage. The result of upload shows immediately in the user interface.

4 File naming convention

All files should have unique names according to the following convention:

- IRIS data report>-<Username of reporting agent>-<Date>.xml
- The different file name parts should be separated by "-", chr (45).
- The file name extension should be ".xml

File name part	Description	Example
IRIS data report	Valid values are: "IRIS_LBS" for IRIS locational banking statistics "IRIS_CBS" for IRIS consolidated banking statistics	"IRIS_LBS" "IRIS_CBS"
Username of reporting agent	The username provided by Sveriges Riksbank for file transfer.	"SRB"
Date	The reference data in format YYYYMMDD. Length: 8 characters	"20220407"

Example of a valid file name:

IRIS_LBS-SRB-20220407.xml

5 Validation

Files received will be validated by VIDAR according to validation rules. The reporting agent will be informed of the validation result of each file by an email notification and an acknowledgement file.

6 Email notification

The reporting agent has to register a technical email address with Sveriges Riksbank to receive notifications. The email address should be provided in the access form.

When a file is received by VIDAR, the reporting agent will receive an email notification with success or failure information. The email consists of:

- Filename.
- Timestamp of receiving.
- Status:
  - OK if the file is received and validated successfully.
  - NOK and error message if an error occurs.

7 Acknowledgement file

File received by VIDAR will be validated according to the validation rules. An acknowledgement file with the validation result are then stored on the reporters acknowledgement folder.

The files are available for download with SFTP. After a successful login, the reporting agent finds the acknowledgement file under the *<username>_ACK* folder. After a successful download the reporting agent are responsible for deleting the acknowledgement file.
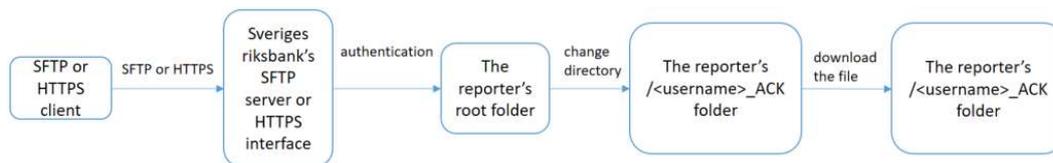
7.1 Filename

The acknowledgement file is named *<incoming report filename>*-ack.xml. Example of acknowledgement filename:

IRIS_LBS-SRB-20220407-ack.xml