

WHY HAS STINA BEEN DEVELOPED?

Danmarks Nationalbank collects statistical information from a large number of private enterprises and financial institutions on an ongoing basis. This information is used by Danmarks Nationalbank to assess the financial and economic development in Denmark, and to make statistics available to the general public.

The electronic reporting system, STINA, has been developed by Danmarks Nationalbank in order to facilitate the enterprises' reporting of data:

- STINA is based on widely used IT standards and has a simple user interface. The requirements regarding the IT systems of your enterprise are limited, and no special IT skills are needed for completing and transmitting the reports.
- STINA includes a number of rules and controls that make it easier for you to complete and transmit the reports correctly. This minimises the time that you have to spend on reporting data.
- STINA offers several electronic reporting options. This means that the system can be used by any enterprise, irrespective of its IT platform, and that enterprises can opt for full or partial automation of the reporting process.

REPORTING OPTIONS

Your enterprise may choose one of the following electronic reporting options:

- *Excel-based report with automatic transmission of data*
The Excel spreadsheet is provided by Danmarks Nationalbank. This method is suitable if the computer from which the report is transmitted runs Microsoft Excel on the Windows operating system and has access to the Internet. The spreadsheet requires the installation of a few extra Microsoft programs (supplied by Danmarks Nationalbank). It includes a feature that automatically creates the report file and transmits it to Danmarks Nationalbank. The data can be entered manually, copied (using copy/paste) or read in from a file (formatted in CSV or XML).
- *Excel-based report with manual transmission of data*
The same Excel spreadsheet as above is used, but the data is transmitted manually to Danmarks Nationalbank's website (manual upload). This method does not normally require extra programs to be installed, and its requirements of the enterprise's IT security policy are in line with the requirements for normal use of the Internet.
- *Reporting directly on Danmarks Nationalbank's website (STINA Online)*
This method is suitable for enterprises using most other IT platforms than Microsoft. The browser solution requires that your enterprise acquires a digital certificate (OCES employee certificate from TDC) for the employees that handle the reports. The data can either be entered manually or read in from a file (formatted in CSV or XML). The difference from Excel-based reporting is that Danmarks Nationalbank's website is accessed to complete the reporting forms.
- *Integrated production in your own IT systems (automated reporting)*
This method is suitable for enterprises with extensive monthly reporting obligations where full or partial automation of reporting could be an advantage. Your enterprise will need to develop a feature to automatically retrieve the data from

its IT systems, create the report file and transmit it to Danmarks Nationalbank via the Internet. Danmarks Nationalbank has developed a program that your enterprise can use to communicate with STINA.

WHICH OPTION SHOULD YOUR ENTERPRISE CHOOSE?

Excel-based reporting with automatic or manual data transmission has been developed for the typical reporting enterprise. Automatic transmission of data is easier and faster, although some enterprises with „proxy servers“ may encounter problems with automatic transmission. These enterprises, as well as enterprises that are only required to file annual reports, should therefore consider using Excel with manual transmission.

STINA Online is developed primarily for enterprises that do not use Microsoft Excel or the Windows operating system. Enterprises that already have OCES employee certificates from TDC (e.g. if they use virk.dk in their dealings with public authorities) can also benefit from using STINA Online. To be up and running, all that is needed is to register the employee's certificate with Danmarks Nationalbank. As STINA Online is a web program it does not have quite the same functionality as Excel.

Automated reporting is primarily developed for banks that typically report very large volumes of data. In addition, they normally have the relevant data available on centralised databases and have the expertise to develop the required IT systems.

The IT requirements for using STINA are listed on the back page of this brochure.

Danmarks Nationalbank has prepared guidelines to the individual elements of STINA and can provide further advice and guidance.

HOW DOES STINA WORK?

When a report is transmitted via STINA, it is subject to a number of automatic controls. If it contains no logical errors, you will receive notification that the report has been received. If the report does contain errors, you will receive a message identifying the fields to be corrected in order for Danmarks Nationalbank to receive and process the report.

Communication between a computer at your enterprise and STINA is handled by a „web service“ via the Internet. Communication is formatted in XML, a standard for exchanging data between otherwise incompatible IT systems.

Data exchanged between your enterprise and STINA is encrypted. This prevents unauthorised persons from reading exchanged files.

FURTHER INFORMATION

At Danmarks Nationalbank's website, www.nationalbanken.dk, under Rules, Statistics – Electronic reporting (STINA) – STINA, ver. 2.0, you will find:

- General information about STINA
- Guidelines for STINA
- Detailed technical specifications
- Contact details

Reporting method	IT requirements
Spreadsheet with automatic transmission	<p>Microsoft Excel, versions 2000 to 2003</p> <p>Microsoft MS XML, versions 4.0 or 5.0 } Microsoft Soap-toolkit, version 2.0 } Supplied by Microsoft Scripting Host, version 5.6 } Danmarks Nationalbank</p> <p>An Internet connection supporting the HTTPS protocol</p> <p>The enterprise's firewall must enable the exchange of XML files to and from Excel</p> <p>Windows operating system, versions 2000 or XP</p>
Spreadsheet with manual transmission (manual upload)	<p>Microsoft Excel, versions 2000 to 2003</p> <p>Microsoft MS XML, versions 4.0 or 5.0 } Microsoft Scripting Host, version 5.6 } Supplied by Danmarks Nationalbank</p> <p>An Internet connection supporting the HTTPS protocol</p> <p>Windows operating system, versions 2000 or XP</p>
STINA Online	<p>Most of the recent internet browsers</p> <p>An Internet connection supporting the HTTPS protocol</p> <p>Digital certificate (OCES employee certificate from TDC)</p>
Automated reporting	<p>Program for creating the XML report files</p> <p>Tool for validating the XML report file against an XSD schema</p> <p>Program for communicating with the STINA web service (Danmarks Nationalbank supplies a program that can be used on Windows operating systems with Microsoft .Net Framework, version 1.1 installed)</p> <p>An Internet connection supporting the HTTPS protocol</p>