

# System To System Communication

*Ralph van Geenen, Statistics Netherlands*

*WWW.CBS.NL/PS*

*ANNUAL / PRODUCTION STATISTICS RGS*

# Something about me ....

Ralph van Geenen

- Since 1999 at Statistics Netherlands
- Questionnaire designer for business questionnaires
- Blaise Specialist
  
- Married , 6 children

# Questions in between?

Please ask them directly ...



# Review

- Use Bookkeeping data in questionnaires
- Goal of this all
- What is RCSFI?
- History or the implementation last years
- Demo
- Used Technics

# Approach: Use Bookkeeping data

- Use bookkeeping data for filling in the questionnaire
- In stead of
  - Filling in the questionnaire by take over the bookkeeping numbers/values manually



ACCOUNTING



Annual statistics Wholesale 2023 NED

Complete by: 1-7-2024 08 - 2  
ASBECDD0EE  
De Winter  
Correspondence number: 308

Specification wholesale sales abroad	
Other operating income	
Purchase value	
Direct costs of sales	
Specification foreign costs	
Balance sheet value inventories	
Personnel costs	
Personnel costs	
<b>Other operating costs</b>	
Profit and loss statement	
Operating income	
Operating costs	
Financial results	
Contact	

**Other operating costs**

Round off all amounts to the nearest thousand. Write down € 23,669 as 24

Report amortisation / depreciation under the heading Profit and loss statement  
Report reversals / impairments under the heading Profit and loss statement, question 'Balance of reversals / impairments'

**Energy costs** €  ,000.-

Energy costs, including network services. No fuel costs external transport equipment, report these under 'Other costs of means of transport'

Of which electricity €  ,000.-

Of which natural gas €  ,000.-

Of which network services (network services are defined as: fixed transport, capacity tariff, connection fee, meter costs and system services) €  ,000.-

# Goal of this all

Three points – all the same – all for the **respondent**

- Easier
- Use less time
- Reduce response burden

**Important: Quality must be even or better**

# What is SBR/RCSFI(RGS in dutch)?

- RCSFI is a structured technical way to exchange financial information between systems.
- xml based
- It has a code-base for every accountancy code
- Is used in almost every bookkeeping software for reporting



The screenshot shows the website <https://referentiegrootboekschema.nl/english>. The page features the RGS logo (Referentie GrootboekSchema) and navigation links for Home and Actueel. A language selector is set to English. The main content area is titled "English" and "Reference Classification System of Financial Information (RCSFI)". The text explains that businesses in the Netherlands are legally permitted to use their own formats and codes for bookkeeping, general ledger, profit and loss accounts, and balance sheets. It also mentions that a group of private-sector bodies, software companies, and government institutes have developed a standard to further integrate and automate administrative processes.

English

**English**

**Reference Classification System of Financial Information (RCSFI)**

Businesses in the Netherlands are legally permitted to use their own formats and codes for bookkeeping, general ledger, profit and loss accounts and balance sheets. Legally prescribed templates only apply to specific reports, such as tax declarations.

A group of private-sector bodies, software companies and government institutes have developed a standard in order to further integrate and automate the chain of administrative processes: the Reference Classification System of Financial Information (RCSFI) or in Dutch



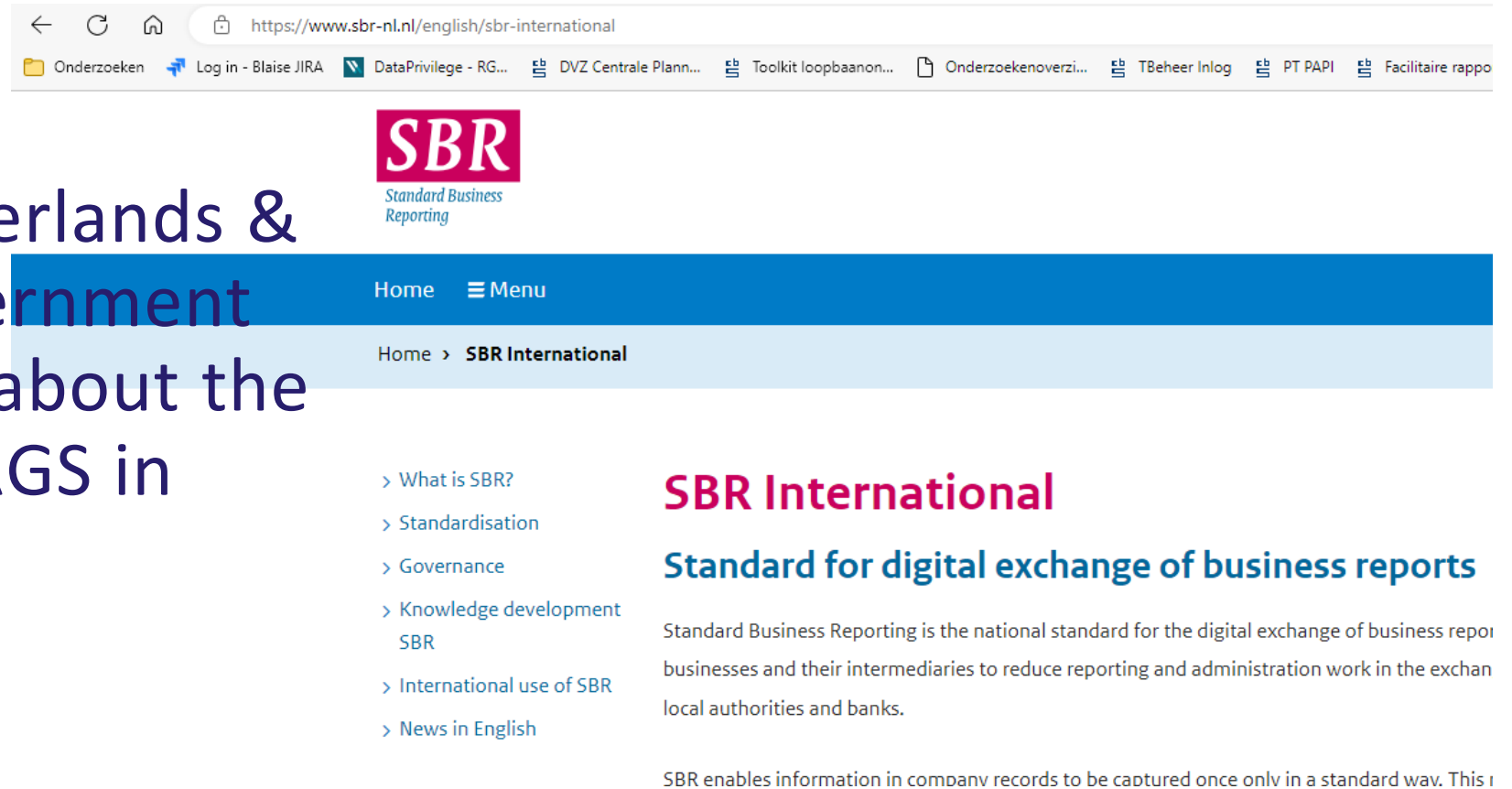
# Example of RGS file

```
▼<Root>
  ▼<Header>
    <Timestamp>2023-11-24T13:40:20.730Z</Timestamp>
    <FinancialYear>2022</FinancialYear>
    <RSIN/>
    <KVKNumber>99999999</KVKNumber>
    <VatNumber>NL999999999X99</VatNumber>
    <CompanyName>xxxxxxxxxxxxxx</CompanyName>
    <SoftwarePackage>CBS IS AWESOME</SoftwarePackage>
    <EmailaddressReceived>awesome@cbs.nl</EmailaddressReceived>
    <RgsVersion>3.5</RgsVersion>
  </Header>
  ▼<Record>
    <LedgerAccountId>1100</LedgerAccountId>
    <LedgerDescription>ABC</LedgerDescription>
    <RgsCode>WAFsAiv</RgsCode>
    <ClosingBalance>20000</ClosingBalance>
    <OpeningBalance>0</OpeningBalance>
    <ProfitLossLastYear>0</ProfitLossLastYear>
  </Record>
  ▼<Record>
    <LedgerAccountId>2100</LedgerAccountId>
    <LedgerDescription>ABC</LedgerDescription>
    <RgsCode>WAFsAmv</RgsCode>
    <ClosingBalance>20000</ClosingBalance>
    <OpeningBalance>0</OpeningBalance>
    <ProfitLossLastYear>0</ProfitLossLastYear>
  </Record>
  ▼<Record>
    <LedgerAccountId>3100</LedgerAccountId>
    <LedgerDescription>ABC</LedgerDescription>
    <RgsCode>WAFsDae</RgsCode>
    <ClosingBalance>-20000</ClosingBalance>
    <OpeningBalance>0</OpeningBalance>
    <ProfitLossLastYear>0</ProfitLossLastYear>
  </Record>
  ▼<Record>
    <LedgerAccountId>4100</LedgerAccountId>
    <LedgerDescription>ABC</LedgerDescription>
    <RgsCode>WAFsBvi</RgsCode>
```

# The history of SBR/RGS/RCFI

Since 2016

- Statistics Netherlands & the Dutch government does research about the usage of SBR/RGS in Questionnaires



The screenshot shows a web browser window with the URL <https://www.sbr-nl.nl/english/sbr-international>. The browser's address bar and tabs are visible at the top. The website's header features the SBR logo (Standard Business Reporting) and a navigation menu with 'Home' and 'Menu'. Below the header, a breadcrumb trail reads 'Home > SBR International'. A vertical list of links is displayed on the left side of the page, including 'What is SBR?', 'Standardisation', 'Governance', 'Knowledge development SBR', 'International use of SBR', and 'News in English'. The main content area on the right features the heading 'SBR International' in red, followed by the sub-heading 'Standard for digital exchange of business reports' in blue. Below this, a paragraph of text explains that Standard Business Reporting is the national standard for the digital exchange of business reports, aiming to reduce reporting and administration work for businesses, intermediaries, local authorities, and banks. A final line of text at the bottom of the visible content states: 'SBR enables information in company records to be captured once only in a standard way. This i'.

# In 2021

- The first questionnaire was implemented with RGS.
- Manual & file-driven
- It works but there are a lot of steps taken.



Deel deze pagina



## Bespaar tijd!

Het grootste gedeelte van de vragenlijst Jaar- Productiestatistiek kunt u automatisch invullen vanuit uw eigen boekhouding. Veel bedrijven maken al gebruik van deze mogelijkheid. Toepassing ervan bespaart u veel tijd. Hoe dit werkt leest u op deze pagina.

### Voor wie is dit mogelijk?

Voorwaarde is dat de financiële administratie van uw bedrijf gekoppeld is aan het Referentie GrootboekSchema (RGS). Maak de koppeling zelf of vraag aan uw boekhouder of dat ook voor u mogelijk is. De onderstaande boekhoudpakketten bieden de mogelijkheid om uw boekhoudgegevens deels automatisch te importeren in onze vragenlijsten. Wanneer handleidingen beschikbaar zijn over hoe u uw administratie hiervoor gereed maakt, zijn ze te raadplegen via de aanklikbare link.

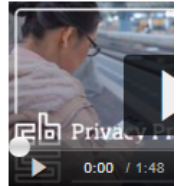
- [Afas](#)
- Asperion (geen link beschikbaar)
- Boekhoud Gemak (geen link beschikbaar)
- [Cash](#)
- [Exact Online](#)
- [iMuis Online](#)
- [Informer](#)
- [Minox](#)
- Multivers Online (geen link beschikbaar)
- [Snelstart](#)
- [Visma eAccounting](#)
- [Yuki](#)

## Direct naar

- [Productiestatistiek](#)
- [RGS Brugstaat](#)
- [Veelgestelde vragen](#)
- [Resultaten andere bedrijven](#)
- [Dashboard bedrijven](#)

## CBS-video

Hoe gaan we om met...



# The manual file-driven way

Ned 

## Annual statistics Wholesale 2022

Complete by: 1-7-2023

gk = 2  
AABBCCDDEE  
De Winter  
Correspondence number: 308

### Table of contents

- Welcome
- IFRS
- Importing accounting data from your administration**
  - Uploading of an RCSFI bridge statement**
- Reference year
- Employed persons
  - Employed persons
- Net revenue
  - Net revenue
  - Specification wholesale sales
  - Specification wholesale sales abroad
- Other operating income
- Purchase value
  - Direct costs of sales
- Specification foreign

### Importing accounting data from your administration

#### Uploading of an RCSFI bridge statement

**In order to enable the import of your data, you need a so-called RCSFI bridge statement. Ask your accountant to provide it or see how to export it yourself at [www.cbs.nl/brugstaat](http://www.cbs.nl/brugstaat).**

*Please note: the survey questionnaire will close after approximately 15 minutes, after this you will need to log in again.*

#### Now select your RCSFI Bridge

Click on 'Select RCSFI Bridge' to select your RCSFI Bridge file (xml) and then click on 'Open' to start importing the file. If you have any questions or issues regarding the RCSFI Bridge, please get in touch with our contact centre [www.cbs.nl/contactcenter](http://www.cbs.nl/contactcenter)

Select RCSFI Bridge

Back

Next

Agree and next

# In 2022

Adding an instruction video to help the respondent  
(failure, was never used)



# Since 2023

- Added a 'ideal' transaction way
- The technic is know by 99% of the dutch people
- Use of thirth party system (<http://speedbooks.com>)
  - For authentication / authorization
  - For sending data from bookkeeping to Statistics Netherlands

# The I-deal look and feel

## Importing accounting data from your administration

To save time and effort, you can automatically enter some of your accounting data in this questionnaire. This is already available in a selected number of accounting packages.

All you need for this is to link your accounting system to the RCSFI (Reference Classification System of Financial Information) option. Ask your accountant whether this is also possible for you. Or check [www.cbs.nl/bespaar](http://www.cbs.nl/bespaar) find out how to establish this link by yourself.

### Would you like to use automatic completion of your accounting data in the questionnaire?

The accounting packages listed below offer automatic importing:

Afas, Asperion, Boekhoud Gemak, Cash, Exact Online, Exact Online België, iMuis Online, Informer, Minox, Multivers Online, Visma eAccounting, Yuki.

Accounting packages not listed here do not yet support this functionality. The questionnaire should be completed manually.

Yes, I will create an automatic link with my accounting package

Inloggen

=exact

de.vanwijk@cbs.nl














Wachtwoord

Terug

Volgende

## Boekhoudgegevens uit uw administratie importeren

### Selecteer uw boekhoudpakket

-  Afas
-  Asperion
-  Boekhoud Gemak
-  Cash
-  Exact Online
-  Exact Online
-  iMuis Online
-  Informer
-  Minox
-  Multivers Online
-  SnelStart
-  Visma eAccounting
-  Yuki
- Mijn boekhoudpakket staat hier niet tussen

Ga naar Informer

# DEMO

Get ready for the Demo

Already some questions?



# Use of '*new*' functionalities of Blaise

## 5.8/5.10/5.12

- Alien Procedures
- Use WCF services
  - → Next step, use of RESTAPI web services.
- Upload Control (file upload)
- Redirect to URL out of the questionnaire.
- Login in accountancy software (exact Online e.d.)
- Start Over function in the questionnaire

**Thank you for your attention**







# Demo of the RGS / Speedbooks solution

- CBS questionnaire
- RGS Service1 (WCF) – communicate with blaise questionnaire
- RGS Service2 (RESTAPI) – communicatie with Speedbooks And the WCF service.
- Speedbooks portal (Oauth e.d.) . Give access to the accountancy software. And send the information to de RGS Service2.

# DEMO of the Production Statistics Questionnaire

Last Year given at the IBUD ....

Quick Demo

# The System to System solution

- Like an dutch Ideal Principe
- Like a bank transaction in a webshop
- In the questionnaire, redirect to accountant software, login en pull out the *information* en send it to the questionnaire.

Annual statistics Trade brokerage 2022  
Complete by: 1-7-2023

### Importing accounting data from your administration

Select your accounting package

- Afas
- Asperion
- Boekhoud Gemak
- CASH
- =exact Exact Online
- Exact Online
- iMuis Online
- Informer
- Mind
- Multivers Online
- SnelStart
- Visma eAccounti
- Yuki
- My accounting package is not listed here.

[Go to Informer](#)

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# Step 1: Export Functionality within the accountancy software

Software that export an RCFI-file.

AFAS Profit

AFAS SB+

e-Boekhouden.nl

Exact

iMuis

Minox

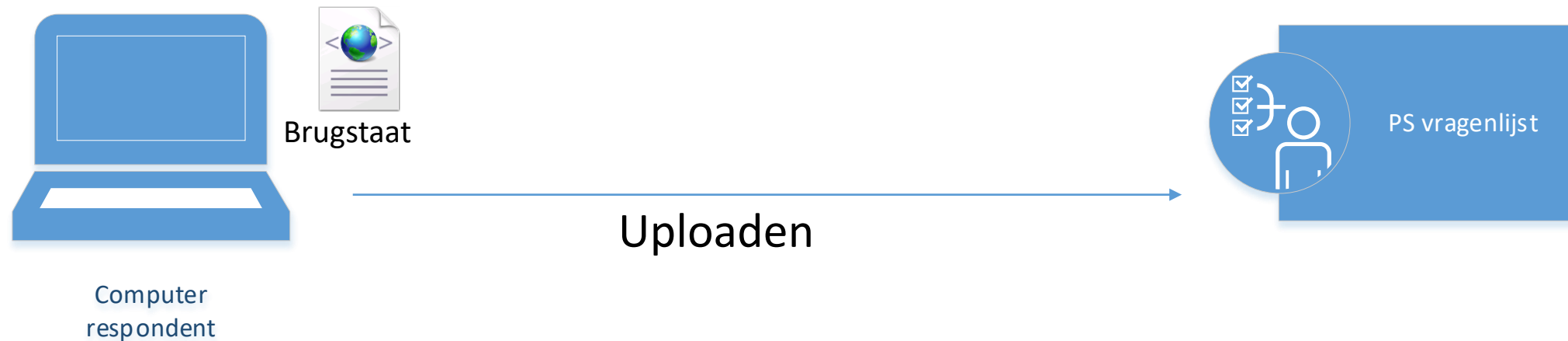
SnelStart

Yuki



## Step 2: Import in the questionnaire

With an Upload button the respondent can select the file and upload it to the blaise questionnaire/sessiondatabase.



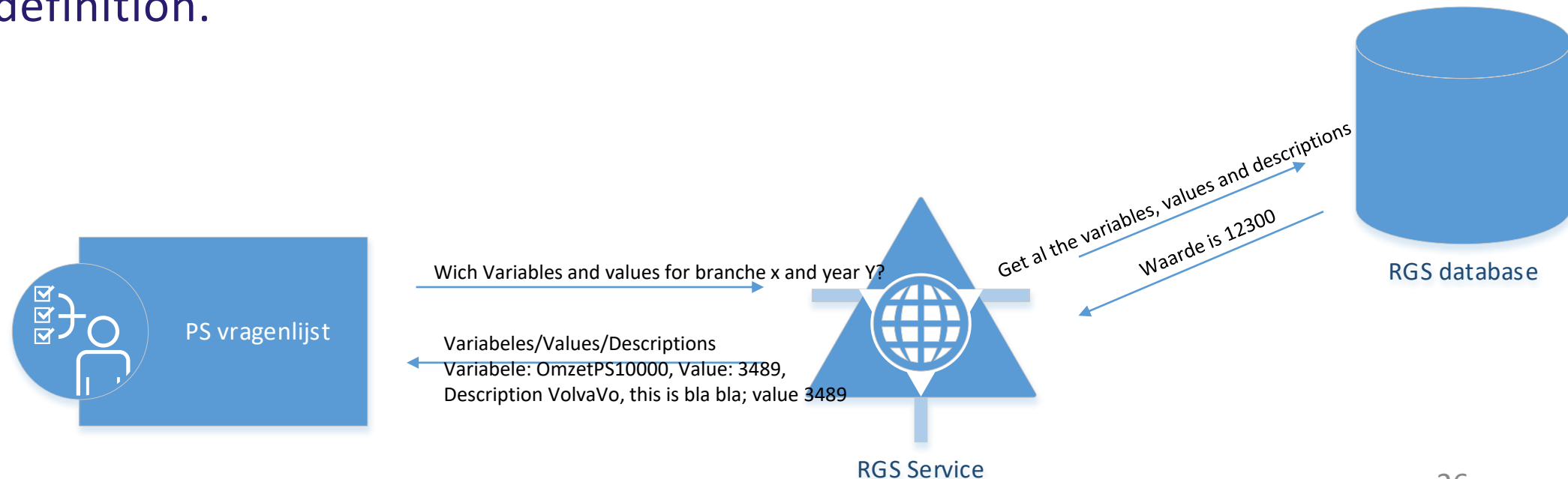
# Step 3: Process the file in the service

With an alien call to the 'sendservice', the file will be send to the RGS (RCFI) service.

The service processes the information in the file to usefull questionnaire data en give the data back to the questionnaire.

The send-back will be done by another alienprocedure (wcf service call).

In the send-back information we use an array with variabel-value-paires definition.



## Step 4: The last step

De variabel-value-pairs wil be written to blaise Array variabelen. The mapping is done by if...then statements.

Its a long list, but it works.

The performance is ok.

Just the summary takes a few seconds, because of the count of variabels show on the page.