

1 XML/CSV documentation

1.1 Introduction

Data entry within the DNB e-Line report module is supported in three ways:

- Manual data-entry via the report module. *See document: User manual e-Line*
- Electronic datadelivery with an XML- or CSV file, according to the format as described by DNB. This file needs to be imported into the e-Line report module.
- A combination of both. This means: after importing there is a possibility to manually change and/or add data into the report form. *See document: User manual e-Line § 5.5 Importing data*

1.2 Create and import files in XML or CSV format

To import XML files these files must be formatted according the format definitions supplied by DNB. To create the CSV file, the CSV definitions have to be extracted from the XML specifications. (This document explains how to create CSV files according to these XML definitions.)

1.3 Create import files in XML format

If your institution has to report a large amount of transactions to DNB it is advisable to use XML import files for the e-Line application. The data for the XML files can be generated from the financial back-office systems.

Tip: On the website of w3.org you can find more information about the XML meta-language. See link: <http://www.w3.org/XML/Schema>

For each profile, a XML scheme file describes the data definition for each item in the report . (e.g. non negative value, countrycode) For each profile, a seperate XML import file should be used. If your institution has to report for multiple profiles, you have to use a seperate XML import file for each profile.

Requirements XML

To create XML import files, the following information is needed:

- the XSD scheme file with extension .XSD for the profile which your institution has to report . The DNB has already informed you about your report profile. The scheme file can be exported via the menu (*Actie/Export schema*) or by using the button *Export schema* in the *statusoverzicht* screen.

Beware: A XML scheme has a fixed duration. This means that a scheme definition from one month can differ from an earlier month. DNB limits the changes in XML schemes to a minimum. Changes in XML schemes will be announced on the e-Line website at the page *Nieuws en Informatie*. For example: the countrycode table in e-Line is one item that will be changed on a regular basis.

An import file can be divided into two parts:

- 2 header lines, which contain information about the profile to be used and the duration of the scheme.

- A data section, which contains a description of the fields in the report screen (?) and the data to be imported.

Appendix 1 shows an example of a XML import file for februari 2003 for an institution with the VRZ profile.

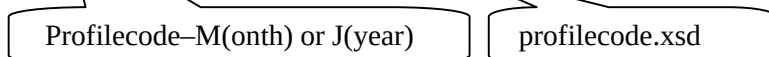
XML header-information

It is important that the header exactly contains the following lines:

- the XML header: `<?xml version="1.0" encoding="UTF-8" ?>`
- the report profile code, with the abbreviation M(month) or J (year), followed by the profile code and the extension .XSD.

Example (see also appendix 1):

```
<?xml version="1.0" encoding="UTF-8" ?>
<VRZ-M xmlns="bb.dnb.nl" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="bb.dnb.nl VRZ-M.xsd">
```



XML data-information

The second part of the XML import file (see also appendix 1) for e-Line describes the datastructure of the report forms. This structure is divided into five levels

- level 1: the profile (set of forms), e.g. VRZ-M (monthly report Verzekeringsinstellingen)
- level 2: the form, e.g. PassDeelnemingen
- level 3: the subform, e.g. AEB-A
- level 4: the line, e.g. Aandelen (shares)
- level 5: the column description, e.g. Aankopen

The XML import file must meet the following requirements:

- Since the use of names of level 2 of the forms is mandatory, this means the form elements must be listed in the import file.
- The field- and sub-form names must match exactly (case sensitive) with the names mentioned in the XSD scheme

Appendix 1 indicates the location of the elements tags and the different levels in the XML import file.

Tip: You can check if the XML file does meet the standard XML requirements with the use of a XML editor. The exported XSD scheme file - which can be exported from the e-Line report form - can help with the use of the correct fieldnames and possible input values as described in the XML scheme of e-Line.

1.4 Create import files in CSV format

Besides the use of XML import files it is also possible to use the import of CSV files. A CSV file consists of an ASCII file where input values are divided with commas.

Requirements CSV

To create and import CSV files into e-Line you need the following information:

- the XSD scheme file with extension .XSD for the profile which your institution has to report. The DNB has already informed you about the profile you have to report. The scheme file can be exported via the menu (*Actie/Export schema*) or by using the button *Export schema* in the *statusoverzicht* screen.

The CSV structure consists of 3 levels. Level 1 and 4 of the XML schema are not needed for a CSV import:

- level 2: the form, *e.g. PassDeelnemingen*
- level 3: the subform, *e.g. AEB-A*
- level 5: the column description, *e.g. Aankopen*

The following is required for a CSV file:

- One line in the CSV file consist of five attributes. A description of each attribute will follow:

Attribute 1	XML Form-description, or level 2
Attribute 2	XML Subform-description, or level 3 in the XML schema
Attribute 3	Line number in het report form
Attribute 4	Column description, or level 5 in the XML schema
Attribute 5	The value of attribute 4, according to the global definition in the XSD schema

In appendix 2, an example CSV import file is shown.

1.5 Extra information: business rules

On the e-Line website, extra information is available about the business rules for checking the reports in e-Line module, on the page *Nieuws en Informatie, handleidingen*.

2 Appendix 1: example XML importfile

Header part

```
<?xml version="1.0" encoding="UTF-8" ?>  
<VRZ-M xmlns="bb.dnb.nl" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xsi:schemaLocation="bb.dnb.nl VRZ-M.Xsd">
```

Level 1

Data part

Level 2, caution! all form tags are mandatory in the import file !

```
<rappOpmerkingen>Test 2003-03-01</rappOpmerkingen>  
<PassDeelnemingen/>  
<PassEffecten/>  
<PassOverig/>  
<ActDeelnemingen/>  
<ActOnrGoed/>  
<ActEffBuitenlands>  
  <AEB-A>  
    <Aandelen>  
      <Effect>Aandelen</Effect>  
      <SectorEmittent>MFI</SectorEmittent>  
      <LandEmittent>XL</LandEmittent>  
      <Beginstand>4702</Beginstand>  
      <Aankopen>0</Aankopen>  
      <Verkopen>0</Verkopen>  
      <Wisselkrsverand>0</Wisselkrsverand>  
      <Prijsmutaties>0</Prijsmutaties>  
      <OverigeMutaties>0</OverigeMutaties>  
      <Eindstand>22</Eindstand>  
      <DividendOntv>85</DividendOntv>  
    </Aandelen>  
  </AEB-A>  
</ActEffBuitenlands>  
<ActEffNederlands/>  
<ActEffIngeleend/>  
<ActEffUitgeleend/>  
<ActOverig/>  
<Derivaten/>  
<register/>  
</VRZ-M>
```

Level 3

Level 4

Level 5

Value

3 Appendix 2: example CSV importfile

Level 2	Level 3	Linenummer	Level 5	Value
5 values means 1 complete line in the report screen				
PassDeelnemingen	PD-C	1	DeelnemingenPas	DeelnOgGg10
PassDeelnemingen	PD-C	1	LandNI	BE
PassDeelnemingen	PD-C	1	AankopenNI	0
PassDeelnemingen	PD-C	1	VerkopenNI	157
PassDeelnemingen	PD-C	1	DividendBetaald	14
PassDeelnemingen	PD-C	2	DeelnemingenPas	DeelnOgKl10
PassDeelnemingen	PD-C	2	LandNI	AT
PassDeelnemingen	PD-C	2	AankopenNI	41
PassDeelnemingen	PD-C	2	VerkopenNI	5
PassDeelnemingen	PD-C	2	DividendBetaald	0
PassDeelnemingen	PD-C	3	DeelnemingenPas	CrossOgKl10
PassDeelnemingen	PD-C	3	LandNI	AT
PassDeelnemingen	PD-C	3	AankopenNI	81
PassDeelnemingen	PD-C	3	VerkopenNI	5
PassDeelnemingen	PD-C	3	DividendBetaald	0
PassEffecten	PEN-A	1	Effect	Aandelen
PassEffecten	PEN-A	1	LandBewaarinst	BE
PassEffecten	PEN-A	1	Beginstand	15
PassEffecten	PEN-A	1	Emissies	65
PassEffecten	PEN-A	1	TerugkoopAfloss	0
PassEffecten	PEN-A	1	Wisselkrsverand	0
PassEffecten	PEN-A	1	Prijsmutaties	0
PassEffecten	PEN-A	1	OverigeMutaties	0
PassEffecten	PEN-A	1	Eindstand	82
PassEffecten	PEN-A	1	DividendBetaald	45
PassEffecten	PEN-K	1	Effect	KapitaalmarktPap
PassEffecten	PEN-K	1	LandBewaarinst	BE
PassEffecten	PEN-K	1	Beginstand	0
PassEffecten	PEN-K	1	Emissies	100
PassEffecten	PEN-K	1	TerugkoopAfloss	0
PassEffecten	PEN-K	1	Wisselkrsverand	0
PassEffecten	PEN-K	1	Prijsmutaties	0
PassEffecten	PEN-K	1	OverigeMutaties	0
PassEffecten	PEN-K	1	Eindstand	10
PassEffecten	PEN-K	1	RenteBeginstand	44
PassEffecten	PEN-K	1	RenteAangroei	2
PassEffecten	PEN-K	1	RenteOntvangen	0
PassEffecten	PEN-K	1	RenteBetaald	0
PassEffecten	PEN-K	1	RenteVerschil	3
PassEffecten	PEN-K	1	RenteEindstand	40
PassEffecten	PEN-G	1	Effect	GeldmarktPap
PassEffecten	PEN-G	1	LandBewaarinst	BE
PassEffecten	PEN-G	1	Beginstand	154