



Disclosure Management

EU XBRL setup

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TABLE OF CONTENT

Introduction.....	3
General information.....	4
Setup	5
Execution	18
Specific topics	27
Useful Notes/KBAs	37

Introduction

Brief overview of setting up XBRL for EU scenarios in Disclosure Management.



Sample_data.zip

General information

Two scenarios are supported (see KBA <https://i7p.wdf.sap.corp/sap/support/notes/2138659> for all supported scenarios)

EIOPA Taxonomies for insurance companies (Solvency II):

<https://eiopa.europa.eu/Pages/Supervision/Insurance/Data-Point-Model-and-XBRL.aspx>

<https://eiopa.europa.eu/Pages/Supervision/Insurance/Reporting-formats.aspx>

National Specific Templates for Solvency II reporting:

Ireland: <https://www.centralbank.ie/regulation/industry-market-sectors/insurance-reinsurance/solvency-ii/national-specific-templates>

France: <https://esurfi-assurance.banque-france.fr/current/taxonomies/taxonomie-ran>

The Netherlands: <https://www.dnb.nl/statistiek/digitaal-loket-rapportages/toezicht-rapportages/verzekeraars/index.jsp>

Belgium: https://www.nbb.be/doc/dg/onegate/documentation_domains/xbml/xbml_documentation_ins_en.html

Known issues:

https://dev.eiopa.europa.eu/Taxonomy/Full/2.0.1/EIOPA_SolvencyII_List_of_Known_Issues_2.0.1.xlsx

Validation rules:

https://dev.eiopa.europa.eu/Taxonomy/Full/2.0.1/EIOPA_SolvencyII_Validations_2.0.1.xlsx

EBA Taxonomies for banks (CoRep, FinRep, Asset Encumbrance (AE), Funding Plans (FP) and Supervisory Benchmarking Reporting (SBP)):

<https://www.eba.europa.eu/risk-analysis-and-data/reporting-frameworks>

EBA Homepage:

<https://www.eba.europa.eu/regulation-and-policy/supervisory-reporting/implementing-technical-standard-on-supervisory-reporting-data-point-model-> (CoRep / FinRep)

Validation rules:

<https://www.eba.europa.eu/documents/10180/997029/EBA+Validation+Rules++2016+03+10.xlsx>

You also find there the Filing Rules:

<https://www.eba.europa.eu/documents/10180/1738017/EBA+Filing+Rules+v4.2.pdf>

E.g. it says, that the “scheme identifier” always has to be <http://standards.iso.org/iso/17442> (in our report configuration this is called “Entity Scheme”).

German taxonomy enhancement:

https://www.bundesbank.de/Navigation/EN/Service/Reporting_systems/Banking_Supervision/Corep_Finrep/corep_finrep.html?nsc=true&https=1

Principles in DM

- Base taxonomy only (published by regulators, no changing/extending taxonomies).
- Zip needs to contain http/https folder structure. No need for Arelle
- Template based (published as Business Content on SMP or generated with template generator)

Setup

1. Report for taxonomy

The screenshot shows the SAP Administration interface for configuring a report. The top navigation bar includes 'Report', 'Favorites', 'Monitoring', 'Settings', 'XBRL Factory', 'Transport', 'Security', and 'Administration'. The left sidebar contains links for 'Manage periods', 'Manage reports', and 'Recycle bin'. The main content area is titled 'Settings' and has sub-tabs for 'General', 'Workflow', 'Import', and 'Instances'. The 'General' tab is active, displaying the following configuration options:

- Name:** Taxonomy
- Description:** (empty field)
- Period*:** Solvency II
- Report type*:** XBRL Taxonomy
- Email notification:** No transmission
- Locale:** English (United States)
- Assigned unit:** -- Group --
- Assigned XBRL Report:** -- Select --
- Template for Entities:**
- Use XBRL envelope:**
- Allow chapter check-in while locked:** Yes
- Allow undo chapter check-out while locked:** Yes
- Limit report revisions:** unlimited
- Limit chapter revisions:** unlimited

Below the settings, there is a note: "With this feature, You can set the due date for all chapters that are included in this report. Note: By setting this date, all previously defined dates will be irrevocably overwritten." This is followed by a text input field for "Set chapters' due date to:" and 'OK' and 'Cancel' buttons.

Upload tax (base only)

The screenshot shows the SAP Administration interface for uploading a tax file. The top navigation bar is the same as in the previous screenshot. The left sidebar shows a tree view for 'Taxonomy' with sub-items '1 - Base' and '2 - Belgium'. The main content area has tabs for 'Cockpit', 'General', 'Upload', 'Taxonomy Entry Points', 'Content refresh', 'Revisions', 'History', 'Configuration', 'Workflow', and 'Workflow conditions'. The 'Upload' tab is active, displaying the following information:

- Period:** Solvency II
- Report:** Taxonomy

The main text area contains the following instructions:

Uploading a file will create a new revision. The allowed file types for upload are restricted by the report type. You can only upload a file if the chapter is not checked out.

Allowed file types: XBRL Taxonomy (.zip)

Maximum allowed file size is 200 MB. To upload files larger as 200 MB please use Disclosure Management BatchTool.

Taxonomy Type*
Base Taxonomy

Comment
You can add a comment for the uploaded file.

File
Select a file to upload.

Entry points do not need to be imported (they will all have status 'new')

This page lists all the entry points of the taxonomy with its status. It allows you to import or delete the mappings of the entry point.

Status : New Entry point is new and is not imported
Status : Imported Entry point has been imported in the SAP Disclosure Management Server
Status : Update Available An update on the imported entry point is available with the latest revision
Status : Obsolete The Entry point is obsolete and not available in latest revision

Entry point Name	Status
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dim/dim.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom005/mem.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom010/mem.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom011/hier.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom011/mem.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom012/hier.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom012/mem.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom013/mem.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom014/mem.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom015/mem.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom016/mem.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom017/mem.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom018/mem.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom019/mem.xsd	New
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom020/mem.xsd	New

2. Entry Point activation (Fiori application)

This is a prerequisite step for the Template creator. The application launches a process, which is executed by the Task Engine (“the TE creates an XML that JAVA processes and loads into DB”)

Entry Point Activation

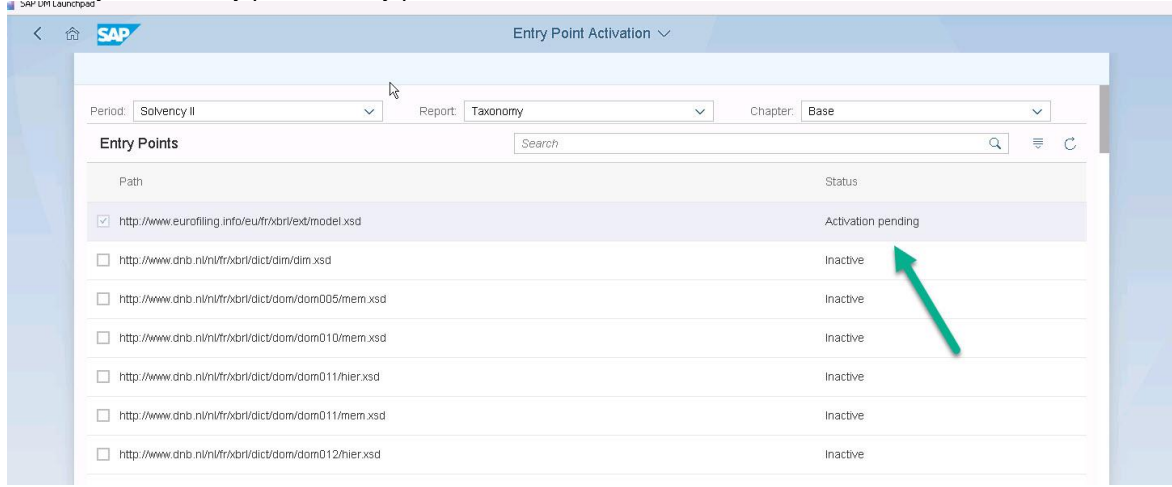
Period: Solvency II Report: Taxonomy Chapter: Base

Search

Path	Status
<input checked="" type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/frs/dnb-nr/vms-2016-08/2016-12-31/mod/vms-jr.xsd	Active
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dim/dim.xsd	Inactive
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom005/mem.xsd	Inactive
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom010/mem.xsd	Inactive
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom011/hier.xsd	Inactive
<input type="checkbox"/> http://www.dnb.nl/nl/fr/xbrl/dict/dom/dom011/mem.xsd	Inactive

Tip: for entry point, do a search on “/mod/” folder

Note: If you randomly pick an entry point, it will fail



Check the Task Monitor




Task ID	Type of Task	Processing Status	Responsible DM User	Task created on	Status changed on	Subtasks	Processing Task E
4445	Endpoint Activation	Failed	Administrator Administrator	04/09/2018 14:11:59	04/09/2018 14:12:04	0	10.160.193.392
4444	Endpoint Activation	Failed	Administrator Administrator	04/09/2018 14:03:49	04/09/2018 14:03:51	0	10.160.193.392
4443	Publication	Completed	Administrator Administrator	02/23/2018 17:11:20	02/23/2018 17:11:23	0	10.160.193.392
4442	Publication	Completed	Administrator Administrator	02/23/2018 16:54:32	02/23/2018 16:54:33	0	10.160.193.392
4441	Publication	Completed	Administrator Administrator	02/23/2018 16:53:06	02/23/2018 16:53:08	0	10.160.193.392
4440	Creation	Completed	Administrator Administrator	02/21/2018 20:33:53	02/21/2018 20:34:20	0	10.160.193.392
4439	Creation	Failed	Administrator Administrator	02/21/2018 19:27:31	02/21/2018 19:27:36	0	10.160.193.392
4438	Creation	Completed	Administrator Administrator	02/15/2018 19:52:30	02/15/2018 19:53:29	0	10.160.193.392
4437	Creation	Completed	Administrator Administrator	02/15/2018 19:41:05	02/15/2018 19:42:21	0	10.160.193.392
4436	Creation	Completed	Administrator Administrator	01/18/2018 15:23:31	01/18/2018 15:23:35	0	10.160.193.392
4435	Creation	Completed	Administrator Administrator	01/18/2018 15:08:57	01/18/2018 15:19:19	0	10.160.193.392


Example of an error (when selecting invalid entry point)

Messages

Overview of your messages. For details click a message.

Show read messages

 Success/Information
 Warning
 Error

<input type="checkbox"/>	Type	Subject	Activity	Received on
<input type="checkbox"/>		Entry point Activation failed Entry point Activation has failed for following object: Period: Solvency II Report: Taxonomy Chapter: Base Entry point: http://www.eurofiling.info/eu/fr/xbrl/ext/model.xsd Details: Entrypoint cannot be activated because it is not intended for this purpose. Check the official regulator documentation and activate only those which are intended for this.	Entrypoint Activation	04/09/2018 14:12:04

Note: JAVA config needs to be correct (in TE and XBRL services). If not, you will also get errors.

Messages

Overview of your messages. For details click a message.

Show read messages

i Success/Information
! Warning
! Error

<input type="checkbox"/>	Type	Subject	Activity	Received on
<input type="checkbox"/>	!	▼ Entrypoint Activation failed The path to the Java VM could not be found in the config file of the Task Engine.	Entrypoint Activation	04/09/2018 14:03:51

```

SAP.DM.TaskEngine.WInService.exe.config* x
<?xml version="1.0"?>
<configuration>
  <startup>
    <supportedRuntime version="v4.0.30319"></supportedRuntime>
  </startup>
  <connectionStrings configProtectionProvider="DataProtectionConfigurationProvider">
    <EncryptedData>
      <CipherData>
        <CipherValue>AQAAANCIhd8BFdERjHoAwE/C1+sBAAAAnJwvjvgfJ06Alfqz4P1zfQQAAAAACAAAAAAQZgAAAAEAACAAAAAsDrngygpffjN3+qBHLrBkSw6b8Y7d/fdxDR2W5xYl4rHAAAAA0gAAp
      </CipherValue>
    </CipherData>
  </EncryptedData>
</connectionStrings>
<!-- Please use this template connectionString Section to replace the encrypted one above, if a connectionString value has to be changed -->
<!--
<connectionStrings>
  <add name="taskEngine" connectionString="Data Source=SQLServerName;Initial Catalog=DMDatabaseName;Integrated Security=False; User Id=DMDatabaseUser;
</connectionStrings>
-->
<appSettings>
  <add key="ServiceName" value="SAP Disclosure Management TaskEngine"></add>
  <add key="DisplayName" value="SAP Disclosure Management TaskEngine"></add>
  <add key="PathToJavaVM" value="C:\Program Files\Java\jre1.8.0_161\bin\java.exe"></add>
  <add key="JavaCmdArgs" value="-XX:-UseGCOverheadLimit -XX:+DisableExplicitGC -XX:+UseParallelGC -Xms2G -Xmx20G -jar"></add>
</appSettings>
<system.serviceModel>
  <services>
    <service behaviorConfiguration="SAP.DM.TaskEngine.WCF.TaskEngineServiceBehavior" name="SAP.DM.TaskEngine.WCF.TaskEngineService">
      <endpoint address="" binding="basicHttpBinding" bindingConfiguration="SAP.DM.TaskEngine.WCF.TaskEngineBasicHttpBinding" name="SAP.DM.TaskEngine.WCF.TaskEngineService" >
        <identity>
          <dns value="localhost"></dns>
        </identity>
      </endpoint>
      <endpoint address="mex" binding="mexHttpBinding" contract="IMetadataExchange"></endpoint>
    </services>
  <host>
    <baseAddresses>
      <add baseAddress="http://localhost:2605/TaskEngineService/"></add>
    </baseAddresses>
  </host>
</system.serviceModel>
    
```

Note: wrong memory parameters

```
<EncryptedData>
<CipherData>
<CipherValue>AQAAANCMndBBFERjHoAwE/Cl+sBAAAA0nJwJvgFj06Alfqz4P1zFQAAAAACAAAAAAQZgAAAAEAACAAAAAsDrgygpFjNJ+qBHLrBk5w6b8Y7d/fdxDR2h5XyL4+hAAAAA0gAAAAIAACAAAAAB
</CipherData>
</EncryptedData>
</connectionStrings>
<!-- Please use this template connectionString Section to replace the encrypted one above, if a connectionString value has to be changed -->
<!--
<connectionStrings>
<add name="taskEngine" connectionString="Data Source=SQLServerName;Initial Catalog=DMDDatabaseName;Integrated Security=False; User Id=DMDDatabaseUser; Password=DMD
</connectionStrings>
-->
<appSettings>
<add key="ServiceName" value="SAP Disclosure Management TaskEngine"></add>
<add key="DisplayName" value="SAP Disclosure Management TaskEngine"></add>
<add key="PathToJavaVM" value="C:\Program Files\Java\jre1.8.0_161\bin\java.exe"></add>
<add key="JavaCmdArgs" value="-XX:-UseGCOverheadLimit -XX:DisableExplicitGC -XX:+UseParallelGC -Xms512M -Xmx1G -jar"></add>
</appSettings>
<system.serviceModel>
<services>
<service behaviorConfiguration="SAP.DM.TaskEngine.WCF.TaskEngineServiceBehavior" name="SAP.DM.TaskEngine.WCF.TaskEngineService">
<endpoint address="" binding="basicHttpBinding" bindingConfiguration="SAP.DM.TaskEngine.WCF.TaskEngineBasicHttpBinding" name="SAP.DM.TaskEngine.WCF.TaskEngin
<identity>
<dns value="localhost"></dns>
</identity>
</endpoint>
```

This can lead to (misleading) message that entry point is not correct (even though it is)

```
2018-04-09 07:52:53.8939 [5] [ERROR] ==>
----- Begin -----
ErrorID: e7d65581-d799-49e7-982d-6dd574e5c88a
Activating the entry point "http://www.dnb.nl/nl/fr/xbrl/fws/dnb-nr/vns-2016-08/2016-12-31/mod/vns-jr.xsd" failed. No output file was produced while reading the taxonomy.
----- End -----
```

Messages

Overview of your messages. For details click a message.

Show read messages

Success/Information
 Warning
 Error

☐	Type	Subject	Activity	Received on
☐		Entry point Activation failed Entry point Activation has failed for following object: Period: Solvency II Report: Taxonomy Chapter: Base Entry point: http://www.dnb.nl/nl/fr/xbrl/fws/dnb-nr/vns-2016-08/2016-12-31/mod/vns-jr.xsd Details: Entry point cannot be activated because it is not intended for this purpose. Check the official regulator documentation and activate only those which are intended for this.	Entry point Activation	04/09/2018 14:47:32

Delete
Close

3. Template creator (Fiori application)

Select entry point (from previous step)

The screenshot shows the 'Template Creation' Fiori application. The 'ENTRY POINT' tab is selected, displaying the following configuration:

- Period: Solvency II
- Report: Taxonomy
- Chapter: Base
- Entry Points: <http://www.dnb.nl/nl/fr/xbrl/fws/dnb-nr/vns-2016-08/2016-12-31/mod/vns-jr.xsd>

Below the configuration, the 'BASICS' section is visible, including a 'Business Content Title' field and a 'Decimal Places in Excel' section.

Process (TE) creates all excel templates

The screenshot shows the 'Monitoring' Fiori application. The 'Task ID' table lists several tasks, with ID 4443 highlighted as 'Completed'. The 'Messages' pane is open, displaying a success message:

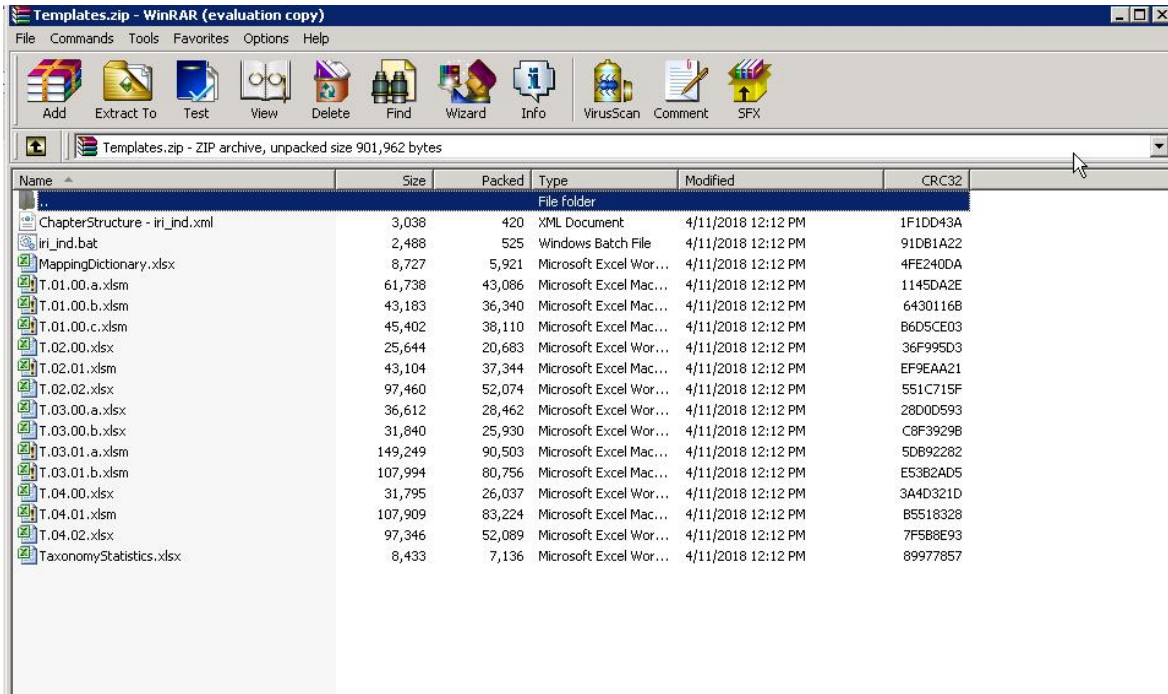
Templates Creation completed

Template Creation has been successfully finished for following object

- Period: Solvency II
- Report: Taxonomy
- Chapter: Base
- Entry point: <http://www.dnb.nl/nl/fr/xbrl/fws/dnb-nr/vns-2016-08/2016-12-31/mod/vns-jr.xsd>

Click [here](#) to download the result.

A green arrow points to the 'here' link in the message.



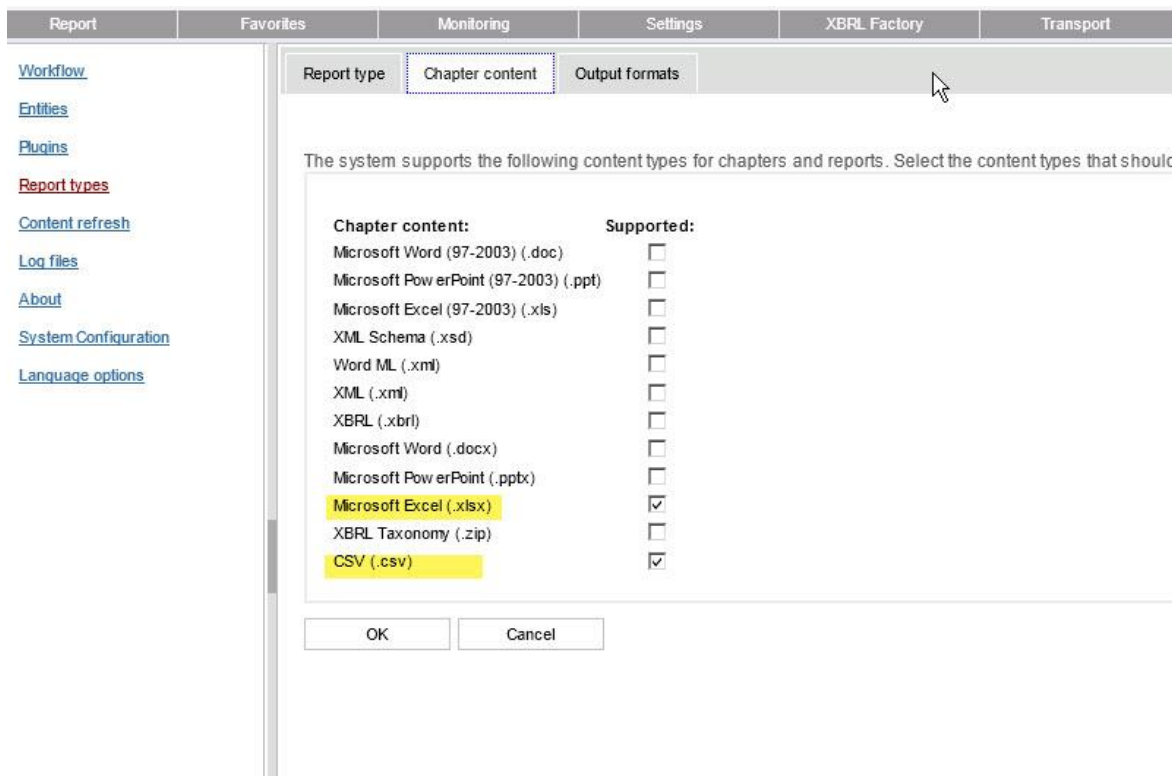
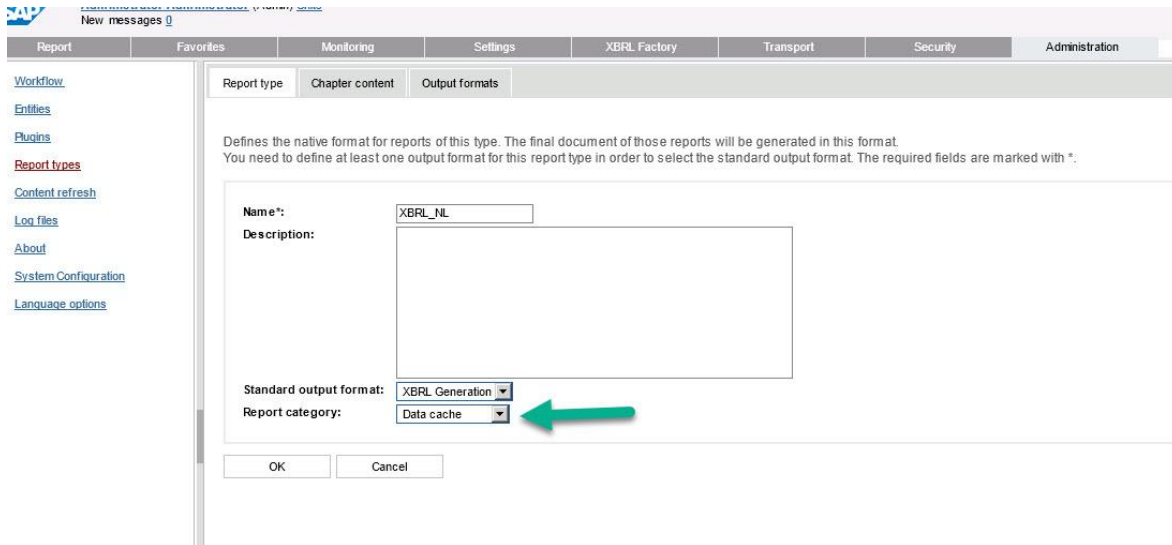
For more details on the Template Creator, see:

<https://jam4.sapjam.com/groups/lxPmNdHdMuP6tFSKn2Meqr/documents/cmu8UGiSwJuFCSD9TvMiw1>

3. XBRL instance

NOTE: the XBRL instance is also the document used for the mapping (not like US, where XBRL instance is separate from Data Cache)

3.1 Report type



The screenshot shows the SAP Administration console for 'Disclosure Management'. The 'Settings' tab is active, and the 'Output formats' sub-tab is selected. The page displays a table of available output formats, categorized by action (Create, Validation, Preview). Each row lists the format name, whether it is supported (checkbox), and the corresponding plugin DLL. The 'Validation' and 'Preview' sections are highlighted in yellow.

Action:	Output formats:	Supported:	Plugin:
Create	PowerPoint (97-2003)	<input type="checkbox"/>	cundus.enterpriseReporting.Renderer.Plugin.dll
	PowerPoint	<input type="checkbox"/>	cundus.enterpriseReporting.Renderer.Plugin.dll
	Word 97-2003	<input type="checkbox"/>	cundus.enterpriseReporting.Renderer.Plugin.dll
	Word	<input type="checkbox"/>	cundus.enterpriseReporting.Renderer.Plugin.dll
	Pdf	<input type="checkbox"/>	cundus.enterpriseReporting.Renderer.Plugin.dll
	Word2HTML	<input type="checkbox"/>	cundus.enterpriseReporting.Renderer.Plugin.dll
	Excel-to-PDF	<input type="checkbox"/>	SAP.DM.ExcelPdfRender.Plugin.dll
	Custom Parameters	<input type="checkbox"/>	SAP.DM.Custom.Parameters.Plugin.dll
	E-Bilanz	<input type="checkbox"/>	SAPBO.DisclosureManagement.EBilanz.Plugin.dll
	UK HMRC CREATION PLUGIN Add-ON	<input type="checkbox"/>	SAP.DM.XBRL.UKHMRCCreation.Plugin.dll
	US-SEC XBRL Add-ON	<input type="checkbox"/>	SAP.DM.XbriUSecGenerator.Plugin.dll
Validation	XBRL Generation	<input checked="" type="checkbox"/>	SAP.DM.XBRL.Creation.Plugin.dll
	Consistency Validation	<input checked="" type="checkbox"/>	SAP.DM.XBRL.ConsistencyValidation.Plugin.dll
	US SEC Calculation Trace	<input type="checkbox"/>	SAP.DM.XBRL.USSECCalculationTrace.Plugin.dll
	US SEC Validation	<input type="checkbox"/>	SAP.DM.XBRL.USSECValidation.Plugin.dll
Preview	Validation	<input checked="" type="checkbox"/>	SAP.DM.XBRL.Validation.Plugin.dll
	Web Preview	<input checked="" type="checkbox"/>	SAP.DM.XBRL.Preview.Plugin.dll
	Excel Preview	<input checked="" type="checkbox"/>	SAP.DM.XBRL.Preview.Excel.Plugin.dll
	US SEC Preview	<input type="checkbox"/>	SAP.DM.XBRL.USSECPreview.Plugin.dll

Upload the structure (xml file created by template creator)

The screenshot shows the 'Import' page in the SAP Administration console. The 'Settings' tab is active, and the 'Import' sub-tab is selected. The page contains a text box for the file path and an 'Import' button. A caution message states: 'Caution: All existing chapters and contents will be deleted'.

File:

C:\templates\ChapterStructure - vns-jr.xml

Import

Upload content via Batch tool
Adjust the .bat file (created by template creator)


```

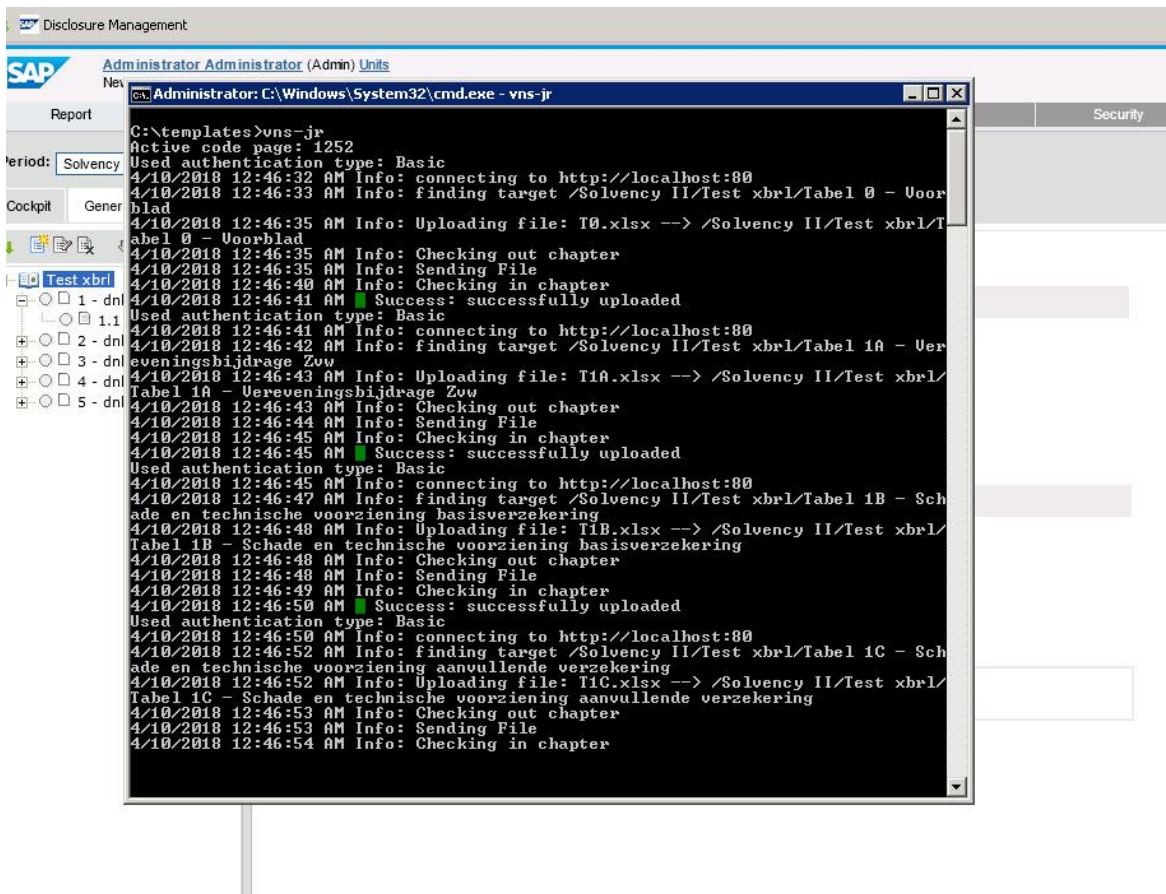
vns-jr.bat - Notepad
File Edit Format View Help
@echo off
chcp 1252
set user=admin
set password=super
set system=http://localhost:80
set period=solvency II
set report=Test xbrl
set pathBatch=C:\inetpub\wwwroot\SAP\SAP Disclosure Management\BatchTool

"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T0.xlsx" /t:"/%period%/report/Tabel 0 - voorblad"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T1A.xlsx" /t:"/%period%/report/Tabel 1A - vereeningsbijdrag
Zvw"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T1B.xlsx" /t:"/%period%/report/Tabel 1B - schade en
technische voorziening basisverzekering"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T1C.xlsx" /t:"/%period%/report/Tabel 1C - schade en
technische voorziening aanvullende verzekering"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T1D.xlsx" /t:"/%period%/report/Tabel 1D - verdiende premie
basis en/of aanvullende verzekering"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T1E.xlsx" /t:"/%period%/report/Tabel 1E - Aantal verzekerden
basis en/of aanvullende verzekering"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T2A.xlsx" /t:"/%period%/report/Tabel 2A - winst- en
verliesrekening levensverzekeraars (vennootschappelijk grondslag BW)"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T2B.xlsx" /t:"/%period%/report/Tabel 2B - winst- en
verliesrekening levensverzekeraars (vennootschappelijk grondslag IFRS)"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T2C.xlsx" /t:"/%period%/report/Tabel 2C - winst- en
verliesrekening schadeverzekeraars (vennootschappelijk grondslag BW)"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T2D.xlsx" /t:"/%period%/report/Tabel 2D - winst- en
verliesrekening schadeverzekeraars (vennootschappelijk grondslag IFRS)"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T2E.xlsx" /t:"/%period%/report/Tabel 2E - winst- en
verliesrekening herverzekeraars (vennootschappelijk grondslag BW)"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T2F.xlsx" /t:"/%period%/report/Tabel 2F - winst- en
verliesrekening herverzekeraars (vennootschappelijk grondslag IFRS)"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T3A.xlsx" /t:"/%period%/report/Tabel 3A - Concentratierisico
windstorm"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T3B.xlsx" /t:"/%period%/report/Tabel 3B - Exposure windstorm"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T4A.xlsx" /t:"/%period%/report/Tabel 4A - Standgegevens
natuur-uitvaartverzekeringen"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T4B.xlsx" /t:"/%period%/report/Tabel 4B - Toelichting winst-
en verliesrekening uitkeringen"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T4C.xlsx" /t:"/%period%/report/Tabel 4C - Pakketwaarde"
"%pathBatch%\DMBatchTool.exe" /u:%user% /p:%password% /h:%system% /upload /s:"T4D.xlsx" /t:"/%period%/report/Tabel 4D - Toelichtingen"
pause

```

Run batch file (this calls the DM BatchTool.exe)

Note: make sure workflow has started



Configuration tab

Note: All relevant information on elements/units, link to taxonomy, scheme name etc. is on this tab
 This document has, therefore, all meta-data and data for the XBRL generation

Name	Source	Value
Use integrated plugin version:	Consistency Validation (Report)	Latest (currently Support Package 3)
Taxonomy context:	Web Preview (Report)	Solveny II/Taxonomy/base
Use integrated plugin version:	Web Preview (Report)	Latest (currently Support Package 5)
Taxonomy context:	Excel Preview (Report)	Solveny II/Taxonomy/base
Truncate open table worksheets after this number of rows:	Excel Preview (Report)	100
Use integrated plugin version:	Excel Preview (Report)	Latest (currently Support Package 5)
Taxonomy context:	Validation (Report)	Solveny II/Taxonomy/base
Use integrated plugin version:	Validation (Report)	Latest (currently Support Package 5 Patch 2)
Currency:	XBRL Generation (Report)	EUR
End of Current Period:	XBRL Generation (Report)	2/21/2018
End of Previous Period:	XBRL Generation (Report)	2/21/2018
Entity ID:	XBRL Generation (Report)	123456789
Entity Schema:	XBRL Generation (Report)	http://standards.iso.org/iso/17442
Generate Filing Indicators:	XBRL Generation (Report)	Yes
In addition generate negative filing indicators:	XBRL Generation (Report)	Yes
Number of decimal places for decimal values:	XBRL Generation (Report)	2
Number of decimal places for monetary values:	XBRL Generation (Report)	2
Number of decimal places for percentage values:	XBRL Generation (Report)	4
Precision of monetary values (e.g. "-3" = precision of thousands):	XBRL Generation (Report)	-3
Start of Current Period:	XBRL Generation (Report)	2/21/2018
Start of Previous Period:	XBRL Generation (Report)	2/21/2018
Streaming Instance:	XBRL Generation (Report)	Yes

Overview of Parameters

“Use integrated plugin version:”

- Always select “latest”. Do not get confused that it says something about SP03 or SP05. We are already on SP12, but these values do not get updated ...

Start of Current Period / End of Previous Period / Start of Previous Period:

- You have to fill some dates there. Not import which one, but has to be before “End of Current Period”.

End of Current Period:

- This is your reference day for reporting. E.g. 31st December 201x. This will go into the XBRL instance.

Entity Schema:

- Customer should know. Normally, it will be <http://standards.iso.org/iso/17442>

Entity ID

- Customer will know. Some ID number, each customer will get from the regulator.

Taxonomy Context

- Period\report\chapter of where you have uploaded the taxonomy

Truncate open table worksheets after this number of rows:

- In open tables, the Excel preview is configured to stop after this number of rows. Reason is that there might be many, many rows inside. However, if the number of rows exceeds the configured value, all rows (including the one from the Excel document) are written to a CSV file.

Number of decimal places for decimal values / monetary values / percentage values

- Write, whatever you want – these numbers are **ignored**.

Precision of monetary values (e.g. “-3” = precision of thousands):

- Important for EBA scenarios.
- Ignored for Solvency II scenarios – in those the “decimals” value has to be chosen automatically depending on the size of the reported value.

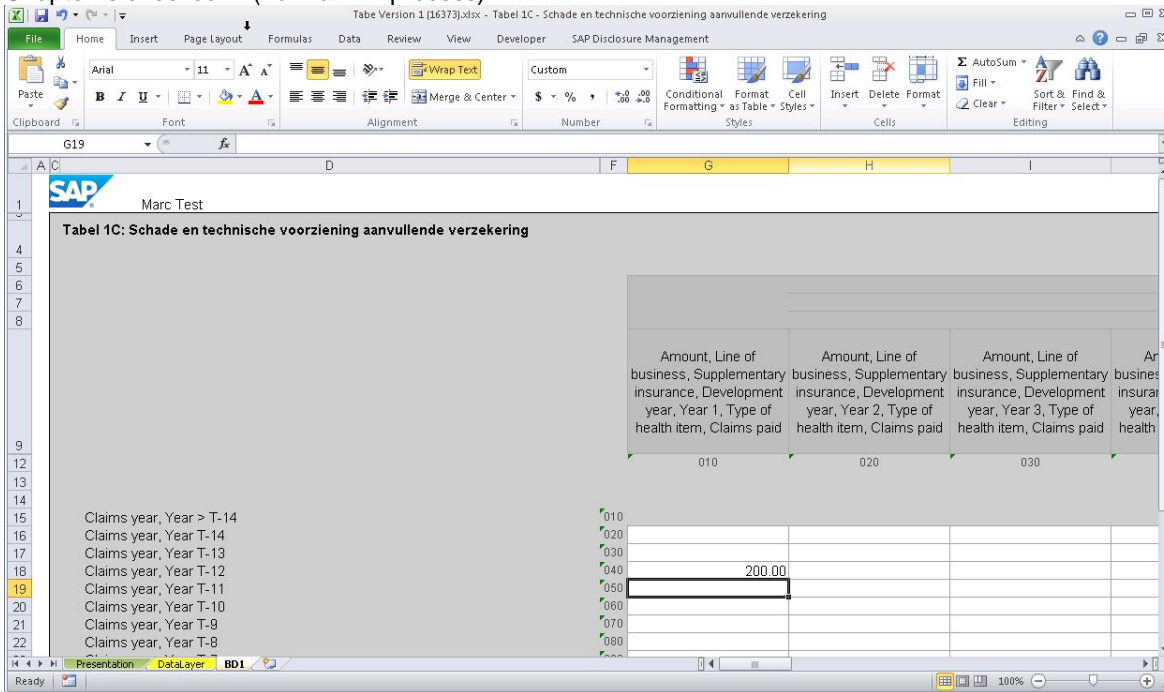
All other parameters: Default values.

Execution

Data is entered in chapters (excel files). These are the file uploaded in the setup (created by Template Creator or downloaded from SMP

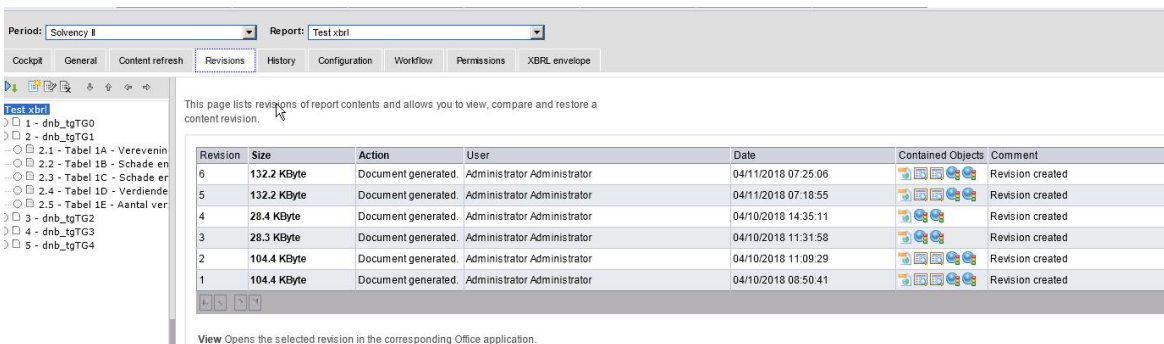
Each file normally has 3 sheets (Presentation /DataLayer / BD1)
 Data is “entered” in BD1 (note: in reality, not manually entered – it is some datalink to another DM chapter (or BW data-source) that holds the data.

Chapter is checked in (normal DM process)

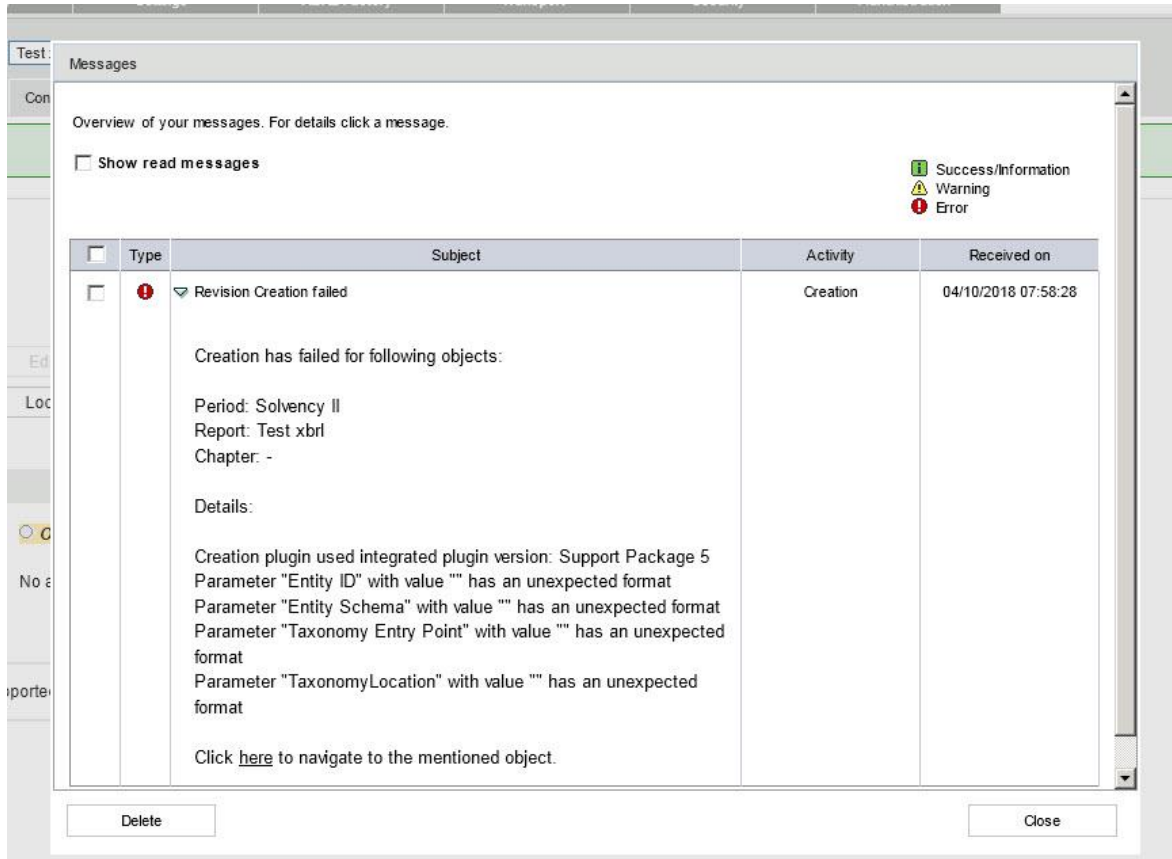


Once all mapping is complete, the XBRL can be generated. At Report level, use “Create” (like US). This creates task and the Task Engine will execute (check TE Monitor)

Revision has zip files with instance + validation reports + preview files



- If generation fails, check
- 1) Configuration tab
 - 2) TE logs
 - 3) XBRL Service logs



The screenshot shows the SAP Messages window with the following content:

Monitoring | Settings | XBRL Factory | Transport | Security | Administration

Report: Test: | Messages

Overview of your messages. For details click a message.

Show read messages

Success/Information
Warning
Error

Type	Subject	Activity	Received on
<input type="checkbox"/> Error	Revision Creation failed	Creation	04/10/2018 08:16:18

Creation has failed for following objects:

Period: Solvency II
 Report: Test xbrl
 Chapter: -

Details:

Consistency validation used integrated plugin version: Support Package 3
 Consistency validation result contains warnings
 Creation failed, because Validation failed.
 Validation used integrated plugin version: Support Package 5 Patch 2
Validation failed; incorrect taxonomy setting → *caused by typo in path of taxonomy (period/report/chapter)*
 Click [here](#) to navigate to the mentioned object.

Buttons: Delete | Close

ing Settings XBRL Factory Transport Security Administration

rt: Test

Messages

Overview of your messages. For details click a message.

Show read messages

Success/Information
Warning
Error

<input type="checkbox"/>	Type	Subject	Activity	Received on
<input type="checkbox"/>		Revision Creation failed	Creation	04/10/2018 08:37:13

Creation has failed for following objects:

Period: Solvency II
 Report: Test xbrl
 Chapter: -

Details:

Consistency validation used integrated plugin version: Support Package 3
 Consistency validation successful
 Creation failed, because Validation failed.
 Validation used integrated plugin version: Support Package 5 Patch 2
Cannot start process because a file name has not been provided.

Click [here](#) to navigate to the mentioned object.

**Java path in
corepService.ValidationSe
rvice.dll.config**

Delete Close

Analysis of XBRL instance

Within the Excel files, there are (hidden) tags in columns and rows. There is also an EOF marker (nothing beyond the marker gets included in instance)

For example:

The screenshot displays an Excel spreadsheet with the following visible content:

- Table 1A: Vereveningsbijdrage Zvw**

	Amount, Development year, Year 1, Type of health item, Earned equalization contribution	Amount, Development year, Year 2, Type of health item, Earned equalization contribution	Amount, Development year, Year 3, Type of health item, Earned equalization contribution	Amount year, Y health equalizat
	010	020	030	
010				
020	100.00			
030	200.00			
040	300.00			
050	400.00			
060	500.00			
070	600.00			
080	700.00			
090	800.00			
100	900.00			
110	1,000.00			
120	1,100.00			
130	1,200.00			
140	1,300.00			
150	1,400.00			
- Hidden Tags in Column Headers:**
 - Column 1: `tag(abstract=true context(`
 - Column 2: `tag(abstract=true context(`
 - Column 3: `tag(context(`
 - Column 4: `tag(context(`
 - Column 5: `tag(context(`
- Hidden Tags in Row Labels:**
 - Row 1: `tag(concept=dnb_met mi 004)`
 - Row 2: `tag(type=monetaryItem)`
 - Row 3: `tag(context(`
 - Row 4: `tag(context(`
 - Row 5: `tag(context(`
 - Row 6: `tag(context(`
 - Row 7: `tag(context(`
 - Row 8: `tag(context(`
 - Row 9: `tag(context(`
 - Row 10: `tag(context(`
 - Row 11: `tag(context(`
 - Row 12: `tag(context(`
 - Row 13: `tag(context(`
 - Row 14: `tag(context(`
 - Row 15: `tag(context(`

	A	B	C	D	E	F	
21		tag{context	Claims year, Year T-9			070	
22		tag{context	Claims year, Year T-8			080	
23		tag{context	Claims year, Year T-7			090	
24		tag{context	Claims year, Year T-6			100	
25		tag{context	Claims year, Year T-5			110	
26		tag{context	Claims year, Year T-4			120	
27		tag{context	Claims year, Year T-3			130	
28		tag{context	Claims year, Year T-2			140	
29		tag{context	Claims year, Year T-1			150	
30		tag{context	Claims year, Year T			160	
31		tag{context	Claims year, Total			170	
32		EndOfTable 1					
33							
34							
35							
36							
37							
38							
39							
40							

The chapter names (generated by Template Creator) also have “meaning”, these are used in the XBRL instance

Period: Solvency II Report: Test xbrl

Chapter is currently checked out by Administrator Administrator at (

2.1 - Tabel 1A - Vereveningsbijdrage Zvw

Microsoft Excel
48.5 KByte
Revision 2

Edit View

Workflow

Due date: 04/10/2018

Current step: **Open**

Possible Activities: **Start Work**

An example of the XBRL instance

- Unit information (from Configuration tab)
- Context: a combination of Excel tags, Chapter information (note: cell reference G16 visible in XBRL)
- Entered value

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <?instance-generator id="SAP Disclosure Management" version="DM Stack 1100" creationdate="2018-04-10T01:47:30"?>
3 <!-- Created with SAP Disclosure Management http://www.sap.com --> <xbml xmlns:link="http://www.xbrl.org/2003/linkbase" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:find="http://www.eu
4 <?xbrl-streamable-instance version="1.0" contextBuffer="1" unitBuffer="INF"?>
5 <link:schemaRef xlink:type="simple" xlink:href="http://www.dnb.nl/nl/it/xbrl/Evs/dnb-nr/vns-2016-08/2016-12-31/mod/vns-1r.xsd" />
6 <context id="ctx-Filing_Indicator">
7 <entity>
8 <identifier scheme="http://standards.iso.org/iso/17442">123456789</identifier>
9 </entity>
10 <period>
11 <instant>2018-12-31</instant>
12 </period>
13 </context>
14 <find:Indicators>
15 <find:filingIndicator contextRef="ctx-Filing_Indicator" find:filed="true">T01</find:filingIndicator>
16 <find:filingIndicator contextRef="ctx-Filing_Indicator" find:filed="false">T00</find:filingIndicator>
17 <find:filingIndicator contextRef="ctx-Filing_Indicator" find:filed="false">T02</find:filingIndicator>
18 <find:filingIndicator contextRef="ctx-Filing_Indicator" find:filed="false">T03</find:filingIndicator>
19 <find:filingIndicator contextRef="ctx-Filing_Indicator" find:filed="false">T04</find:filingIndicator>
20 </find:Indicators>
21 <unit id="u-EUR">
22 <measure iso4217:EUR</measure>
23 </unit>
24 <context id="ctx-T01-16371-G16">
25 <entity>
26 <identifier scheme="http://standards.iso.org/iso/17442">123456789</identifier>
27 </entity>
28 <period>
29 <instant>2018-12-31</instant>
30 </period>
31 <scenario>
32 <xbrl:explicitMember dimension="dnb_dim:dim015">dnb_dom013:mem002</xbrl:explicitMember>
33 <xbrl:explicitMember dimension="dnb_dim:dim016">dnb_dom013:mem018</xbrl:explicitMember>
34 <xbrl:explicitMember dimension="dnb_dim:dim017">dnb_dom014:mem001</xbrl:explicitMember>
35 </scenario>
36 </context>
37 <dnb_met:mi004 contextRef="ctx-T01-16371-G16" unitRef="u-EUR" decimals="-3">100</dnb_met:mi004>
38 <context id="ctx-T01-16371-G17">
39 <entity>
40 <identifier scheme="http://standards.iso.org/iso/17442">123456789</identifier>

```


Preview

Web preview (Note: can be viewed with IE only)

The screenshot shows a web browser window with the following elements:

- Browser Title:** Web Preview - Windows Internet Explorer
- Address Bar:** C:\Users\Administrator\AppData\Local\Temp\219arE\60.736\WebPreview.html
- Page Title:** Disclosure Management
- Left Sidebar:**
 - DOCUMENT DETAILS >
 - WARNINGS >
 - DOCUMENTATION LABELS ON OFF
 - TABLES
 - Tabel 1A - Vereveningsbijdrage Zwv
 - Tabel 2D - Winst- en verliesrekening schadeverzekeraars (vennootschappelijk grondslag IFRS)
- Main Content Area:**

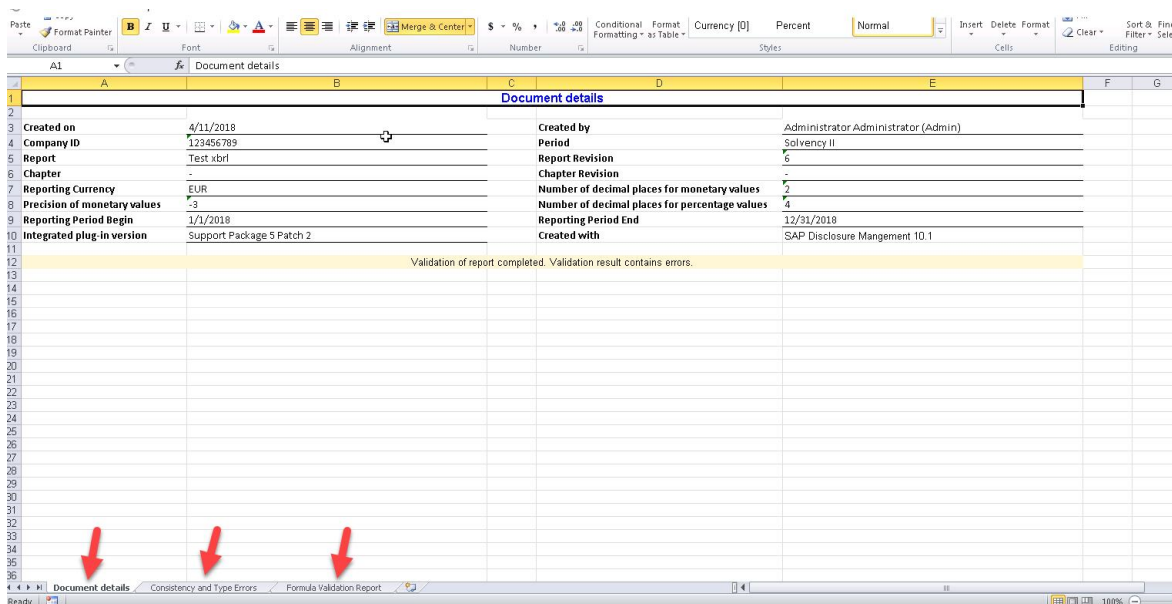
Tabel 1A: Vereveningsbijdrage Zwv

	Amount, Development year, Year 1, Type of health item, Earned equalization contribution	Amount, Development year, Year 2, Type of health item, Earned equalization contribution	Amount, Development year, Year 3, Type of health item, Earned equalization contribution	Amount, Development year, Year 4, Type of health item, Earned equalization contribution	Amount, Development year, Year 5, Type of health item, Earned equalization contribution	Amount, Development year, Year 6, Type of health item, Earned equalization contribution	Amount, Development year, Year 7, Type of health item, Earned equalization contribution	Amount, Development year, Year 8, Type of health item, Earned equalization contribution	Amount, Development year, Year 9, Type of health item, Earned equalization contribution	Amount, Development year, Year 10, Type of health item, Earned equalization contribution	Amount, Development year, Year 11, Type of health item, Earned equalization contribution
	010	020	030	040	050	060	070	080	090	100	
Claims year, Year > T-14											
Claims year, Year T -14	010										
Claims year, Year T -13	030	0									

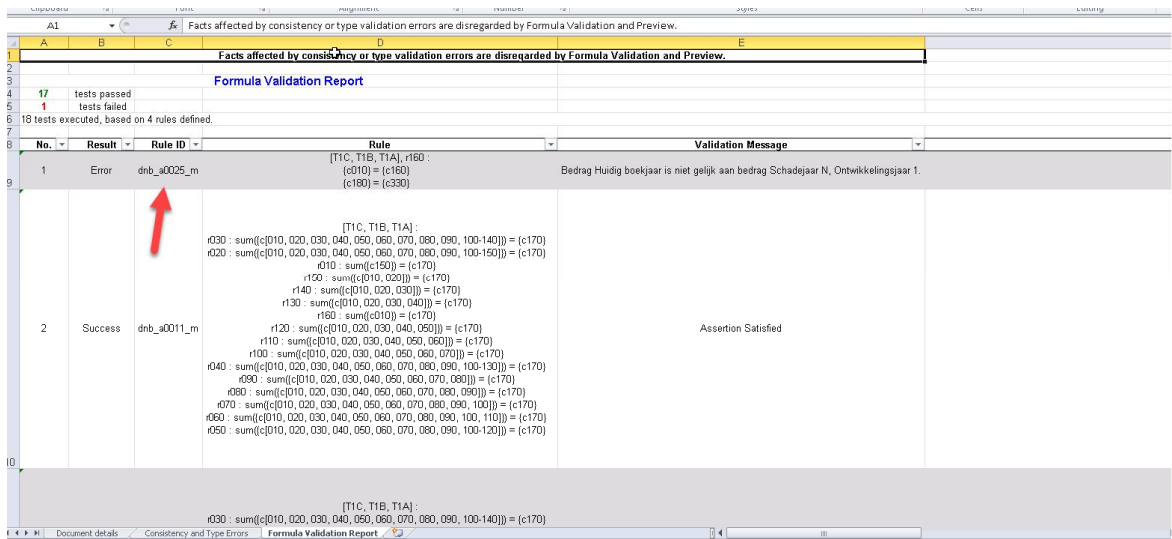
Excel preview is same – just the Excel file, rather than HTML files

Validation

DM will generate an Excel file, with three tabs (Details, Consistency, Validation
 Details=some meta-data (when and who generated etc.)
 Consistency= data type + ambiguous data checks
 Validation= Formulas / Assertions



Example of Validation check



The report will show the "rule_id", the details of these are normally explained on website of regulator

Note: some assertion checks can be avoided, see [SAP Note 2296488](#). (only possible since SP06)

Specific topics

1. Envelopes

XBRL Envelope: [SAP Note 2237320](#);

Workaround for open issue (invalid XML): [SAP Note 2307043](#)

Currently needed in Belgium:

https://www.nbb.be/doc/dq/onegate_help/onegate_xbri_protocol_ins_v1_3.pdf

and France:

https://esurfi-assurance.banque-france.fr/uploads/tx_bdftechnicalinfos/CDCI_SOLVA2-v1_7.docx

Define in Report settings

This page is used for editing the report's settings. The required fields are marked with *.

Name*: Test xbrl

Description:

Period*: Solvency II

Report type*: XBRL_NL

Email notification: No transmission

Locale: English (United States)

Assigned unit: -- Group --

Assigned XBRL Report: -- Select --

Template for Entities:

Use XBRL envelope:

Allow chapter check-in while locked: Yes

Allow undo chapter check-out while locked: Yes

Limit report revisions: unlimited

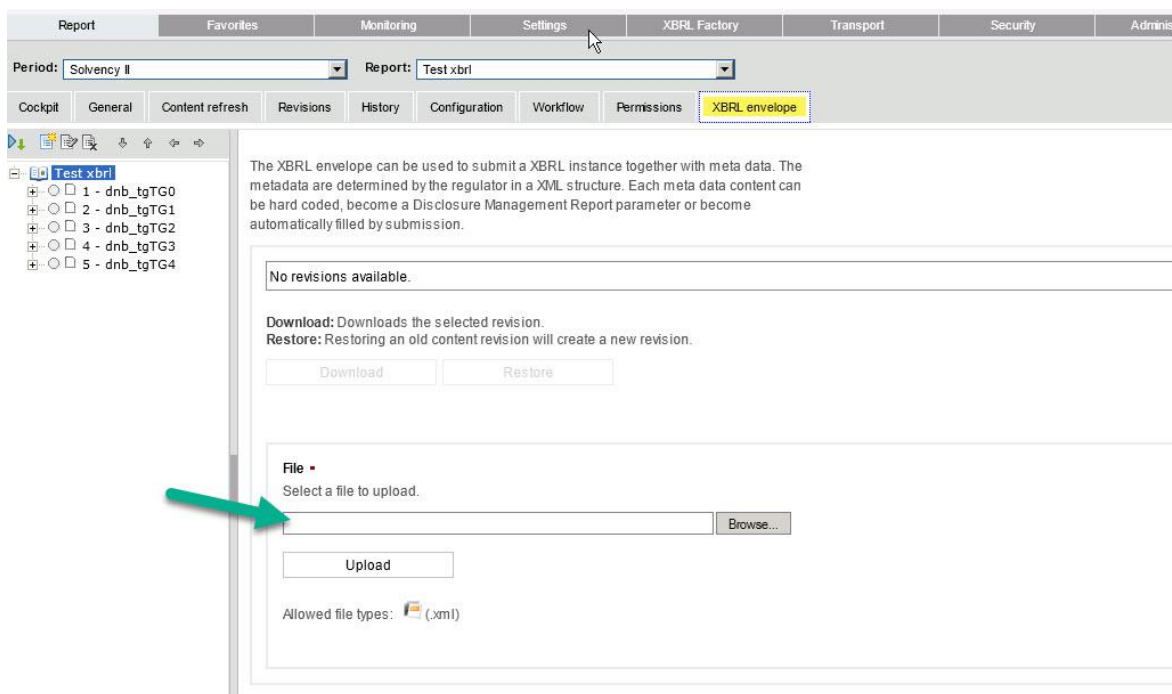
Limit chapter revisions: unlimited

With this feature, You can set the due date for all chapters that are included in this report.
Note: By setting this date, all previously defined dates will be irretrievably overwritten.

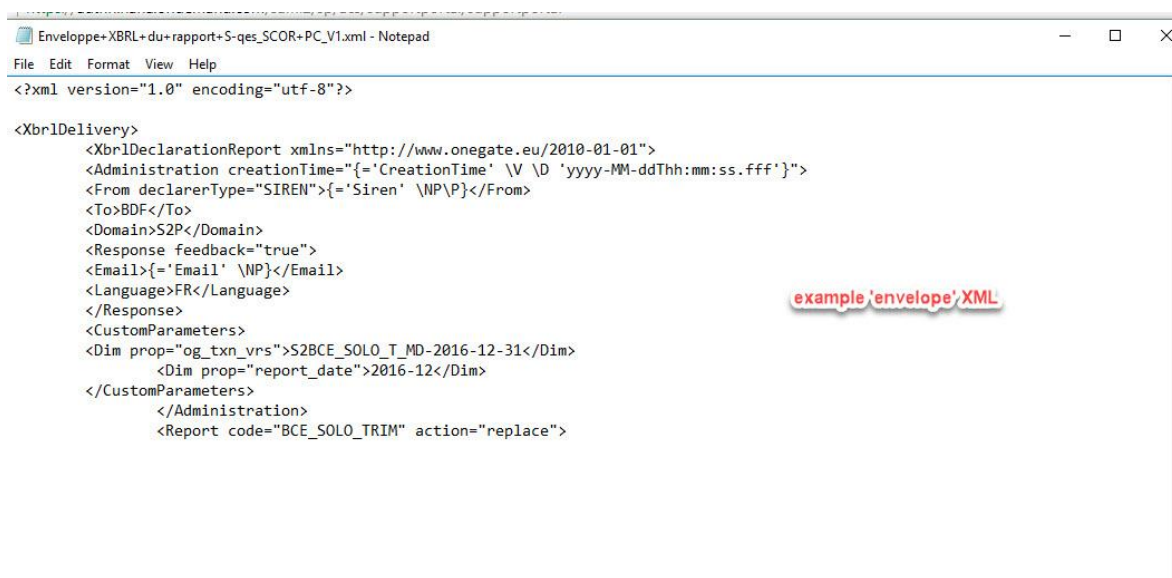
Set chapters' due date to:

OK Cancel

On Report, there will be an additional 'tab'



Upload the template



There may (will) be some additional parameters

Period: Solvency II Report: Test xbrl

Cockpit General Content refresh Revisions History Configuration Workflow Permissions XBRL envelope

Taxonomy context:	Validation (Report)	Solvency II Taxonomy Base
Use integrated plugin version:	Validation (Report)	Latest (currently Support Package 5 Patch 2)
Currency:	XBRL Generation (Report)	EUR
End of Current Period:	XBRL Generation (Report)	12/31/2018
End of Previous Period:	XBRL Generation (Report)	12/31/2017
Entity ID:	XBRL Generation (Report)	123456789
Entity Schema:	XBRL Generation (Report)	http://standards.iso.org/iso/17442
Generate Filing Indicators:	XBRL Generation (Report)	Yes
In addition generate negative filing indicators:	XBRL Generation (Report)	Yes
Number of decimal places for decimal values:	XBRL Generation (Report)	2
Number of decimal places for monetary values:	XBRL Generation (Report)	2
Number of decimal places for percentage values:	XBRL Generation (Report)	4
Precision of monetary values (e.g. "-3" = precision of thousands):	XBRL Generation (Report)	-3
Start of Current Period:	XBRL Generation (Report)	1/1/2018
Start of Previous Period:	XBRL Generation (Report)	1/1/2017
Streaming instance:	XBRL Generation (Report)	Yes
Taxonomy Entry Point:	XBRL Generation (Report)	http://www.dnb.nl/nl/fin/xbri/fw/s/dnb-nr/vns-2016-08/2016-12
Taxonomy context:	XBRL Generation (Report)	Solvency II Taxonomy Base
Use integrated plugin version:	XBRL Generation (Report)	Latest (currently Support Package 5)
XBRL instance encoding:	XBRL Generation (Report)	UTF-8 w/ BOM
XML encoding declaration written in:	XBRL Generation (Report)	lower case
Email:	XBRL Envelope (Report)	me@sap.com
Siren:	XBRL Envelope (Report)	tschang@n

One additional step (after XBRL creation), you need to click “Submit” to generate the XML file that contains the envelope.

SAP Administrator Administrator (Admin) Units

New messages 2

Report Favorites Monitoring Settings XBRL Factory Transport Security Administration

Period: Solvency II Report: Test xbrl

Cockpit General Content refresh Revisions History Configuration Workflow Permissions XBRL envelope

Test xbrl

1.5 KByte
Revision 6

Create Edit View

Submit Lock Unlock

Workflow

Current step: Open

Possible Activities: No activities available.

Ad hoc actions

[Consistency Validation](#)
[Web Preview](#)
[Excel Preview](#)
[Validation](#)

Thumbnail are not supported for this document type.

Result (XML file, that contains envelope + XBRL)

```

C:\Users\Administrator\AppData\Local\Temp\2\1Rar401a0.530\XBRL Instance.xml
DM 10.1 SP12, Disclosure Mana...
Disclosure Management

<?xml version="1.0" encoding="UTF-8"?>
<XbrlDelivery>
  <XbrlDeclarationReport xmlns="http://www.onegate.eu/2010-01-01">
    <Administration creationTime="2018-04-11T07:25:06.727">
      <From declarerType="SIREN">test</From>
      <To>BDF</To>
      <Domain>SZP</Domain>
      <Response feedback="true">
        <Email>me@sap.com</Email>
        <Language>FR</Language>
      </Response>
      <CustomParameters>
        <Dim prop="og_txn_vrs">S2BCE_SOLO_T_MD-2016-12-31</Dim>
        <Dim prop="report_date">2016-12</Dim>
      </CustomParameters>
    </Administration>
    <Report action="replace" code="BCE_SOLO_TRIM">
      <?Instance-generator id="SAP Disclosure Management 10.1" version="10.1.8.1" creationdate="2018-04-11T07:25:06.727"?>
        <!-- Copyright 2016 SAP SE. All Rights Reserved. -->
        <!-- Integrated plug-in version: Support Package 5 -->
      </Report>
      <xbrl xmlns="http://www.xbrl.org/2003/instance" xmlns:dnb_dom017="http://www.dnb.nl/xbrl/dict/dom/dom017" xmlns:dnb_dom011="http://www.dnb.nl/xbrl/dict/d
        xmlns:dnb_dom012="http://www.dnb.nl/xbrl/dict/dom/dom012" xmlns:dnb_dom014="http://www.dnb.nl/xbrl/dict/dom/dom014"
        xmlns:dnb_dom013="http://www.dnb.nl/xbrl/dict/dom/dom013" xmlns:dnb_dim="http://www.dnb.nl/xbrl/dict/dim" xmlns:xbrldi="http://xbrl.org/2006/xbrldi"
        xmlns:iso4217="http://www.xbrl.org/2003/iso4217" xmlns:dnb_met="http://www.dnb.nl/xbrl/dict/met" xmlns:find="http://www.eurofiling.info/xbrl/ext/filing-indicator
        xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:link="http://www.xbrl.org/2003/linkbase">
        <?xbrl-streamable-instance version="1.0" contextBuffer="1" unitBuffer="INF"?>
        <link:schemaRef xlink:href="http://www.dnb.nl/fr/xbrl/fws/dnb-nr/vns-2016-08/2016-12-31/mod/vns-jr.xsd" xlink:type="simple"/>
        <context id="ctx-Filing_indicator">
          <entity>
            <identifier scheme="http://standards.iso.org/iso/17442">123456789</identifier>
          </entity>
          <period>
            <instant>2018-12-31</instant>
          </period>
        </context>
        <find:Indicators>
          <find:filingIndicator find:filed="true" contextRef="ctx-Filing_indicator">TG1</find:filingIndicator>
          <find:filingIndicator find:filed="true" contextRef="ctx-Filing_indicator">TG2</find:filingIndicator>
          <find:filingIndicator find:filed="false" contextRef="ctx-Filing_indicator">TG0</find:filingIndicator>
          <find:filingIndicator find:filed="false" contextRef="ctx-Filing_indicator">TG3</find:filingIndicator>
          <find:filingIndicator find:filed="false" contextRef="ctx-Filing_indicator">TG4</find:filingIndicator>
        </find:Indicators>
      </xbrl>
    </XbrlDeclarationReport>
  </XbrlDelivery>

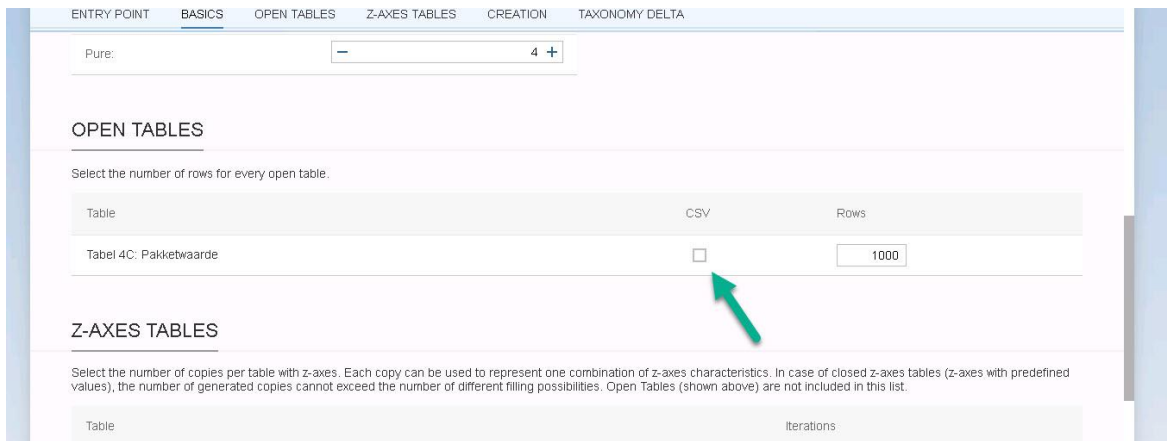
```

2. Massdata

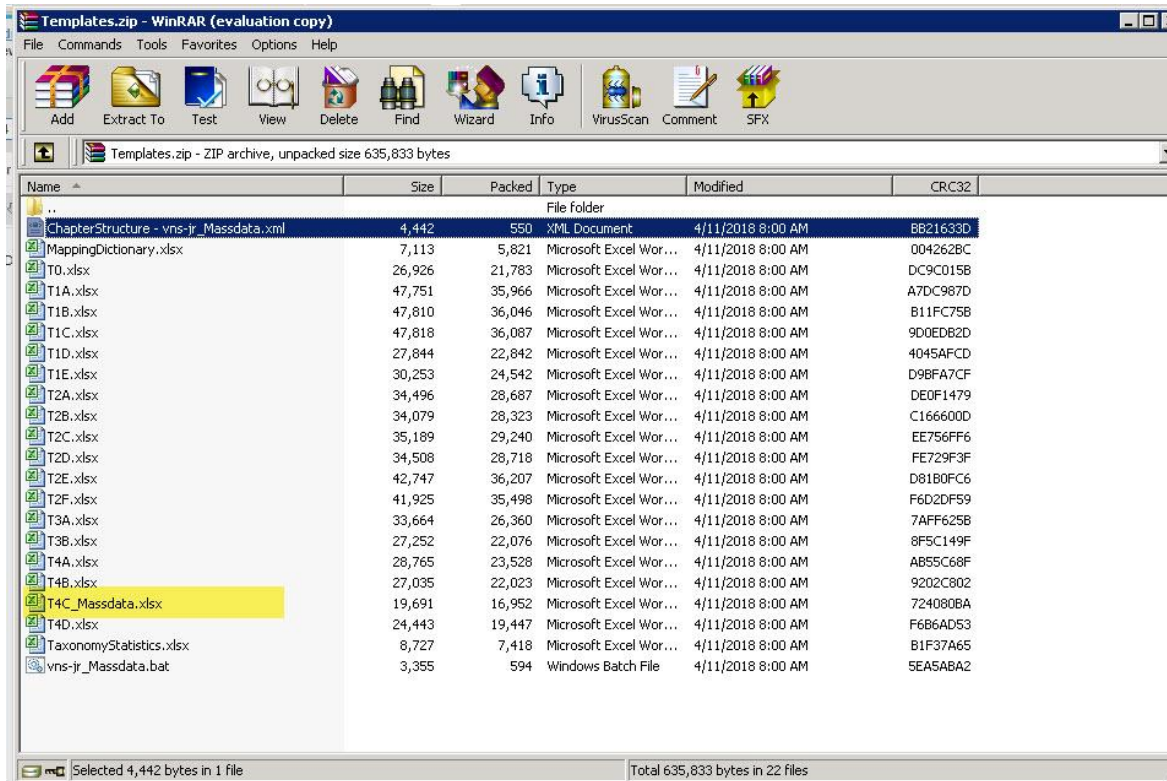
Purpose: performance (for large data entry)

NOTE: Not related to Mass Data link in DM !!!

In Template generator – set CSV (tick)



Creates csv files



In Report – Excel links to csv (has just one row)
 Data in loaded into CSV (multi-rows), there is no entry in BD sheet!
 During XBRL generation, DM processes the one line – but does this for each line in CSV (and thus all data will be included in XBRL instance)

Object	Object Type	Object Name	Object ID	Object Size	Object Date	Object Status
3.3 - Tabel 2C - Winst- en verliesrekening schadeverzekeraars (vennootschappelijk grondslag BV)				0 Byte	04/11/2018	SI
3.4 - Tabel 2D - Winst- en verliesrekening schadeverzekeraars (vennootschappelijk grondslag IFRS)				0 Byte	04/11/2018	SI
3.5 - Tabel 2E - Winst- en verliesrekening herverzekeraars (vennootschappelijk grondslag BV)				0 Byte	04/11/2018	SI
3.6 - Tabel 2F - Winst- en verliesrekening herverzekeraars (vennootschappelijk grondslag IFRS)				0 Byte	04/11/2018	SI
4 - dnb_tgTG3					04/11/2018	
4.1 - Tabel 3A - Concentratierisico Windstorm				0 Byte	04/11/2018	SI
4.2 - Tabel 3B - Exposure Windstorm				0 Byte	04/11/2018	SI
5 - dnb_tgTG4					04/11/2018	
5.1 - Tabel 4A - Standgegevens natura-uitvaartverzekeringen				0 Byte	04/11/2018	SI
5.2 - Tabel 4B - Toelichting winst- en verliesrekening uitkeringen				0 Byte	04/11/2018	SI
5.3 - Tabel 4C - Pakketwaarde				0 Byte	04/11/2018	SI
5.3.1 - Tabel 4C - Pakketwaarde CSV file				0 Byte	04/11/2018	SI
5.4 - Tabel 4D - Toelichtingen				0 Byte	04/11/2018	SI

3. PDF option

Introduced in Stack 1200, see <https://blogs.sap.com/2018/03/12/dm-stack-1200-available/>

Only used for Belgium specific requirements, it encrypts PDF files into the XBRL

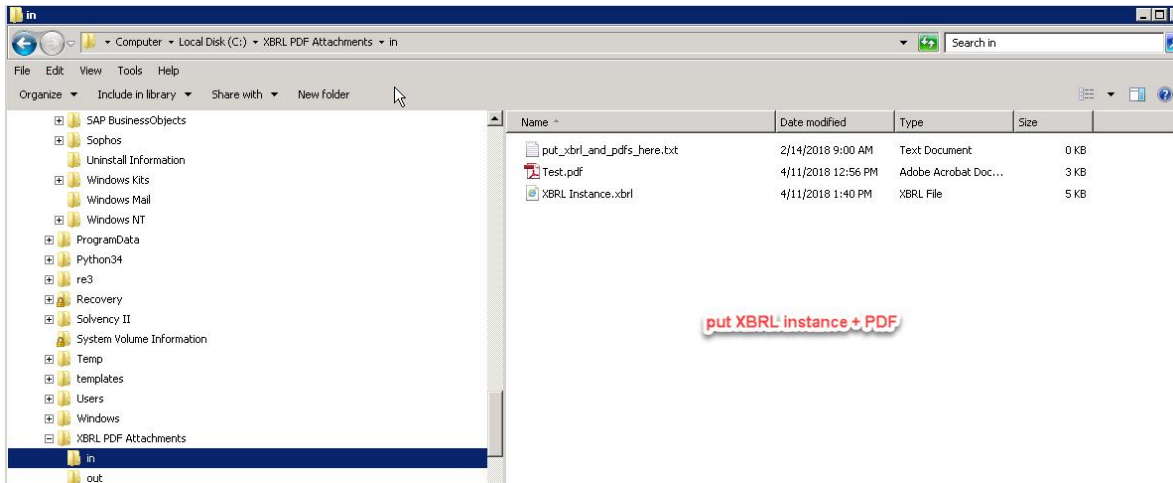
On DM client (in utilities folder, C:\Program Files (x86)\SAP\SAP Disclosure Management\Utilities\XBRL PDF Attachments)

See readme.txt in this folder

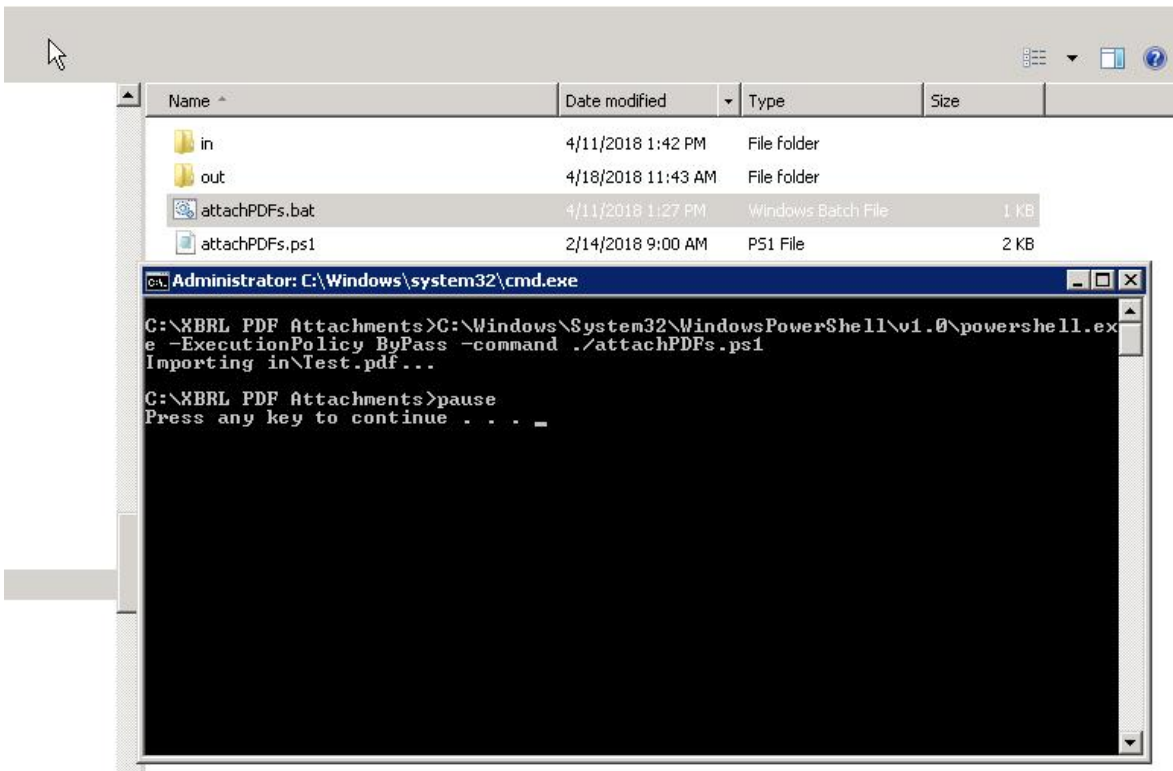
On certain chapters

The screenshot shows the SAP Disclosure Management interface. At the top, there are tabs for 'Cockpit', 'General', 'Upload', 'Content refresh', 'Revisions', 'History', 'Configuration', 'Workflow', 'Workflow conditions', 'Permissions', 'Custom Validations', and 'Word table tagging'. Below the tabs, there is a search bar with 'Period: Solvency II' and 'Report: Test PDF'. The main area is divided into two panes. The left pane shows a tree view of documents under 'Test PDF', with '3.3 - Beschrijving van de hypothesen' selected. A red arrow points to this item with the text 'one of the affected chapters'. The right pane shows the details for the selected document, including 'Details' (Chapter type: Standard, Id: 16428, Last modified: 04/11/2018 19:41:49, Administrator Administrator (Admin)), 'Workflow' (Due date: 04/11/2018, Current step: Open, Possible Activities: Start Work, Finish), and 'Ad hoc actions' (Consistency Validation, Web Preview, Excel Preview, Validation). A note at the bottom states 'Thumbnails are not supported for this document type.'

You need to provide the PDF name



Run "attachPDF.bat"



Output in the \out folder

Useful Notes/KBAs

[2063215 - How to modify a CoRep or FinRep or Solvency II Taxonomy](#)

[2069765 - Automated Uploading for COREP/FINREP and the Solvency II Business Content to DM Server](#)

[2461750 - What is the memory \(RAM\) requirement to run validation for Solvency II reporting scenario in SAP Disclosure Management](#)

[2414343 - Decimals value inconsistency after upgrade to STACK 802](#)

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