

How to produce Publication files with GefegFX

How to produce Publication files with GefegFX

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Summary

For each messages (128), at the end of publication cycle (twice per year) produce the following files:

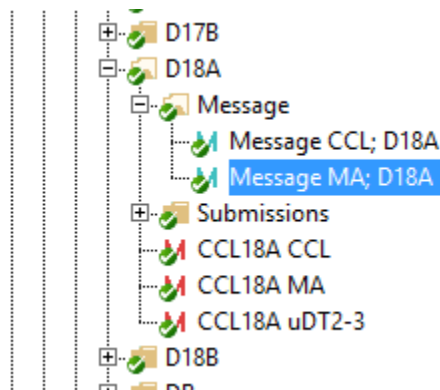
- **UML Diagram** / Export CCL/18MA export
- **XLS Guideline structure** / CCTS Excel E using option file
- **Xsds** Zip profile schema / profile schema .xsds Test export xsd
- **HTML Structure report** using .rep file
- **XML sample files**

Outputs

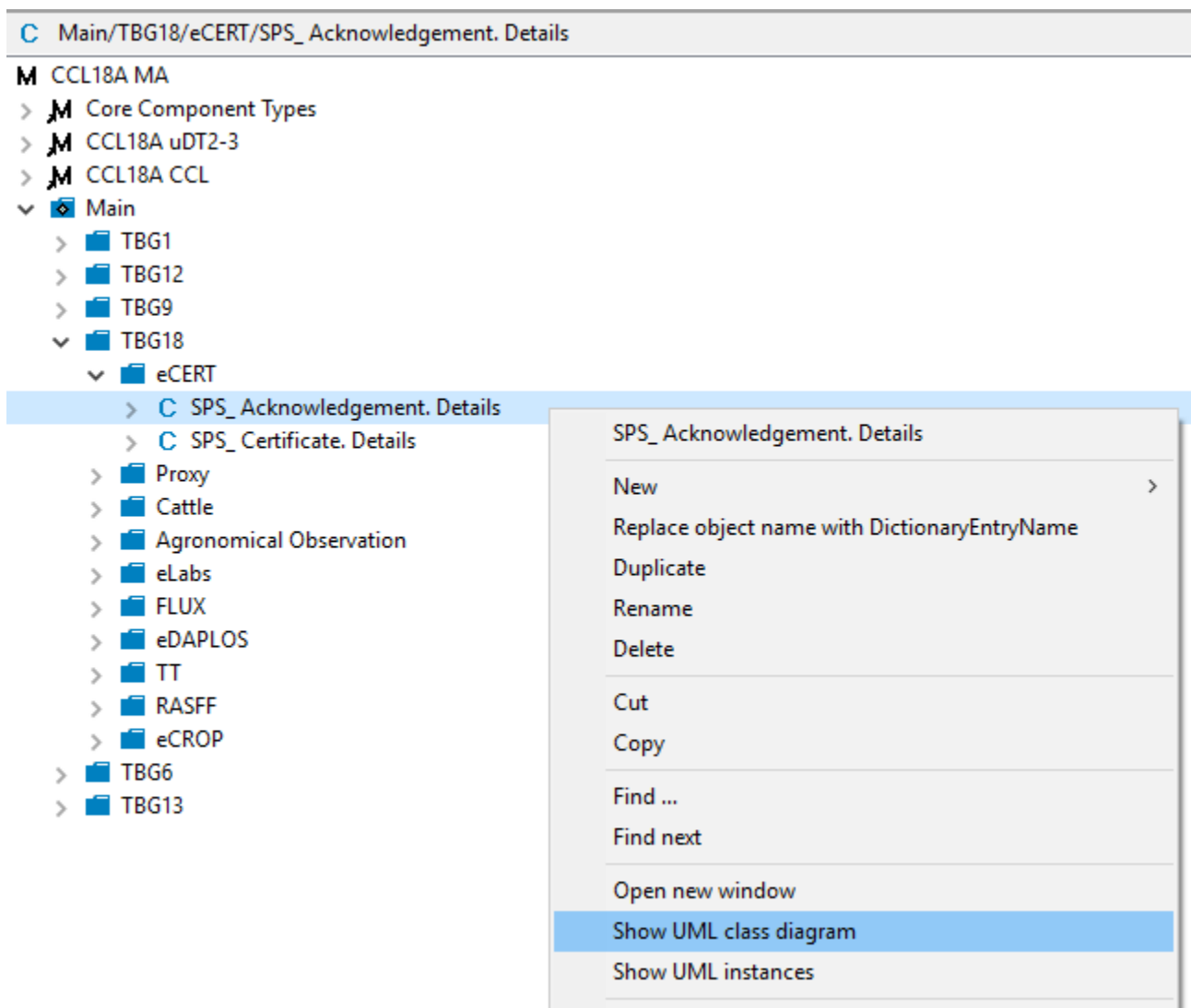
Examples in this guide are based on **TBG18/eCERT/SPS_Acknowledgement** message

UML Diagram

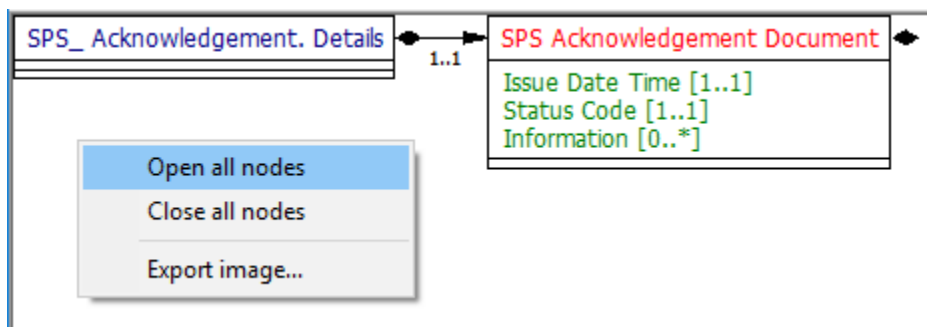
In TBG17REP repository, open TBG17REP/FX/WorkingLib/D18A/Message/**Message MA**



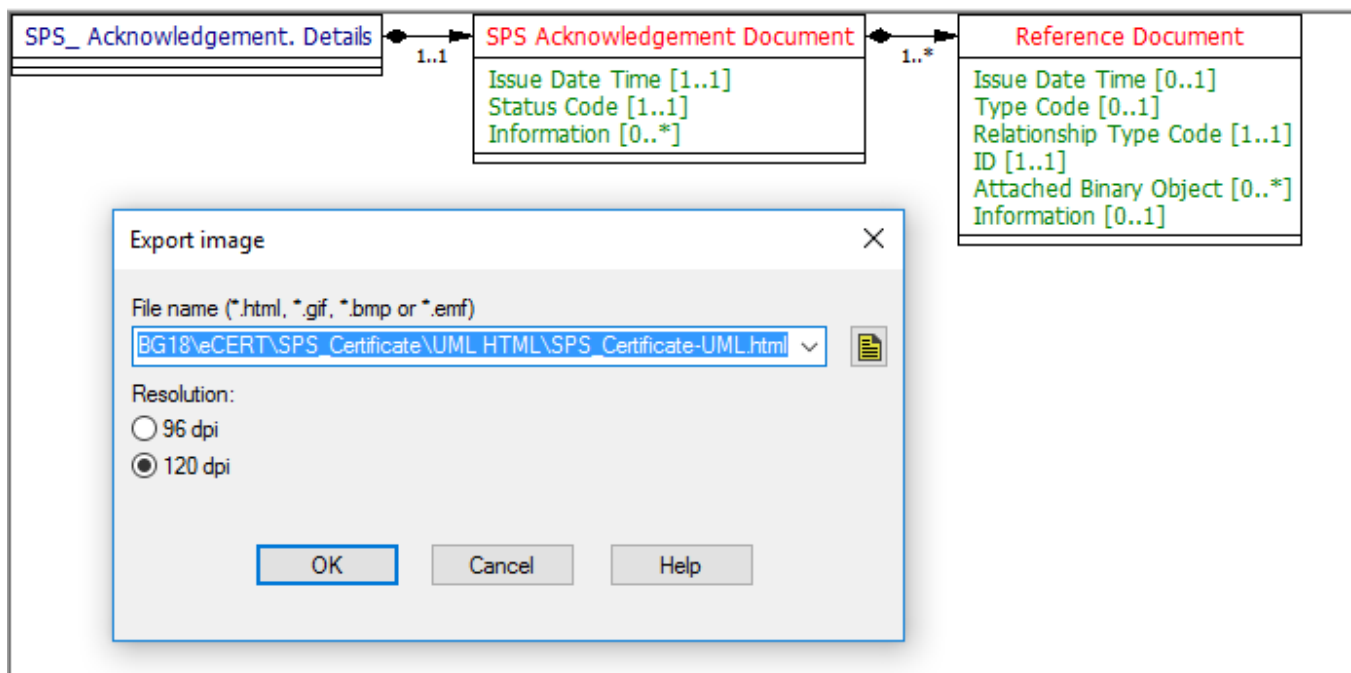
Select appropriate message and from the context menu "Show UML class diagram"



On UML Class Diagram, open context menu and by clicking on "Open all nodes" show the complete Class Diagram



Click on "Export Image" (this menu item is available only in the diagram area, to be sure it's active, try it in top left corner or over some of the class boxes)



Select desired format, .html option will cut diagram into grid of .gif pictures and put them together using HTML Table elements

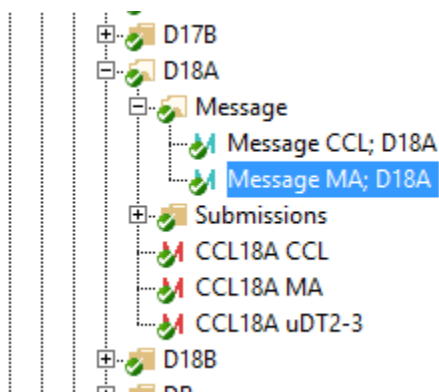
[SPS_Acknowledgement-UML-HTML.zip](#)

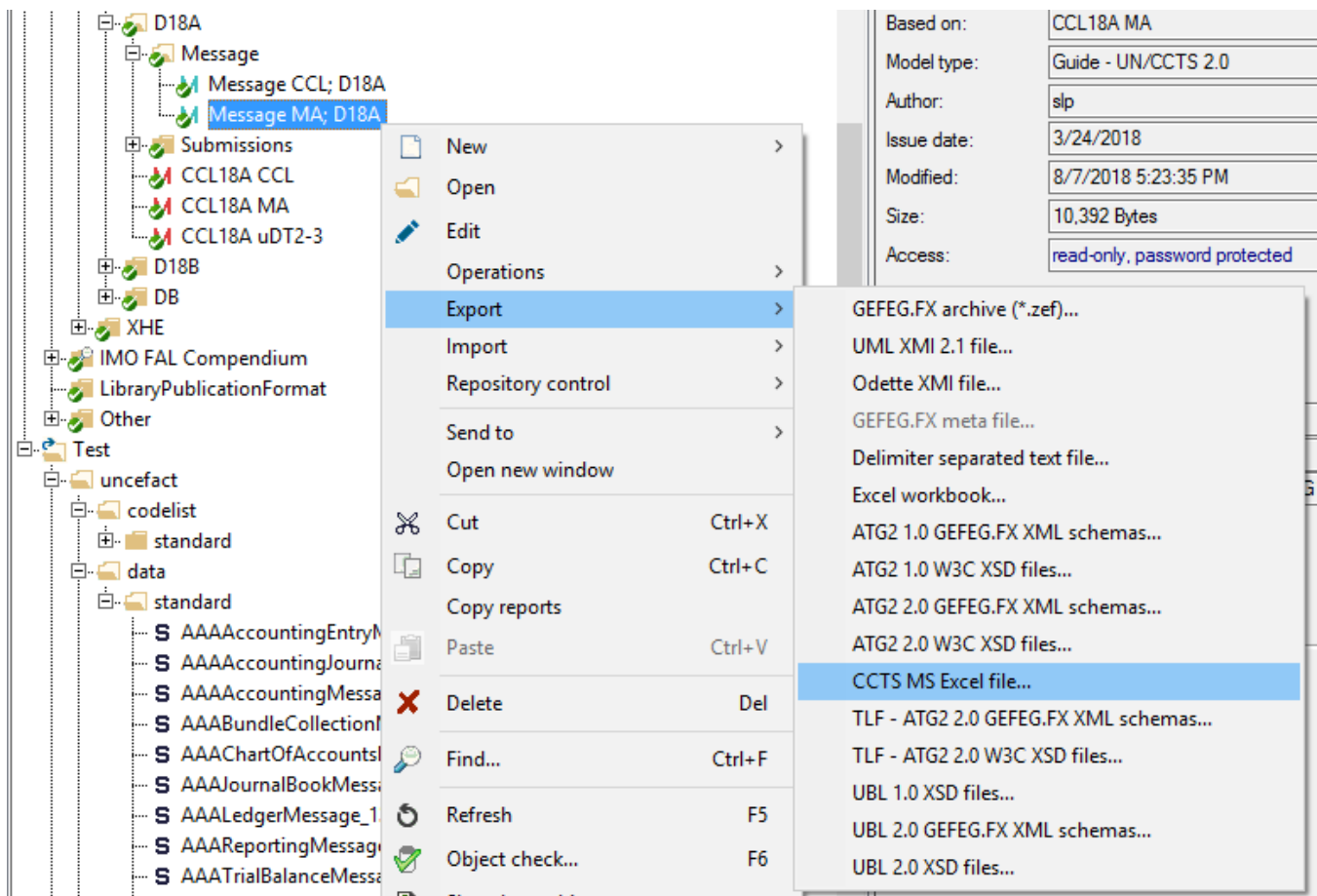
which can be then printed into PDF file (depends on the size of the diagram)

EXAMPLE OUTPUT [SPS_Acknowledgement-UML.pdf](#)

XLS Guideline structure

In TBG17REP repository, open TBG17REP/FX/WorkingLib/D18A/Message/**Message MA**





Using Option *.opt file and Excel template file *.xls

- [XLSSGuide-OptionFile.opt](#)
- [XLSSGuide-TemplateFile 23APR17.xls](#)

Export data model to CCTS MS Excel file

Start

Data model:
Message MA; D18A

Start folder or class:
Main/TBG18/eCERT/SPS_Acknowledgement_Details C

Excel file:
C:\Users\malik\Documents\Gefeg\Test\TBG18\ecert\SPS_Acknowledgement_Details.xls

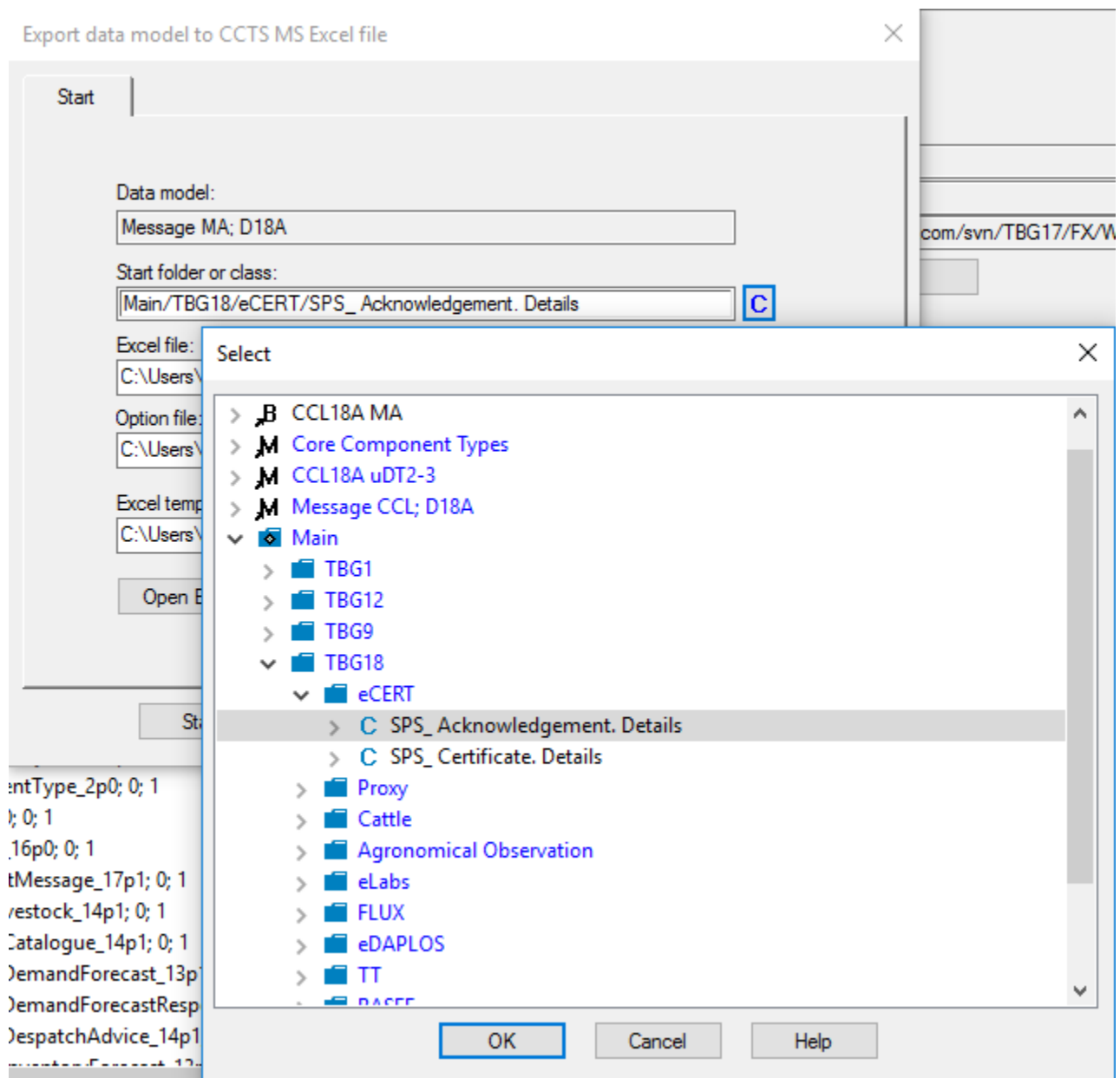
Option file:
C:\Users\malik\Documents\Gefeg\Test\ecMR-Guide.opt

Excel template file:
C:\Users\malik\Documents\Gefeg\Test\ecMR-GuideTemplate 23APR17.xls

Open Excel file...

Start Close Cancel Help

Click on C next to "Start folder or class" to select the message

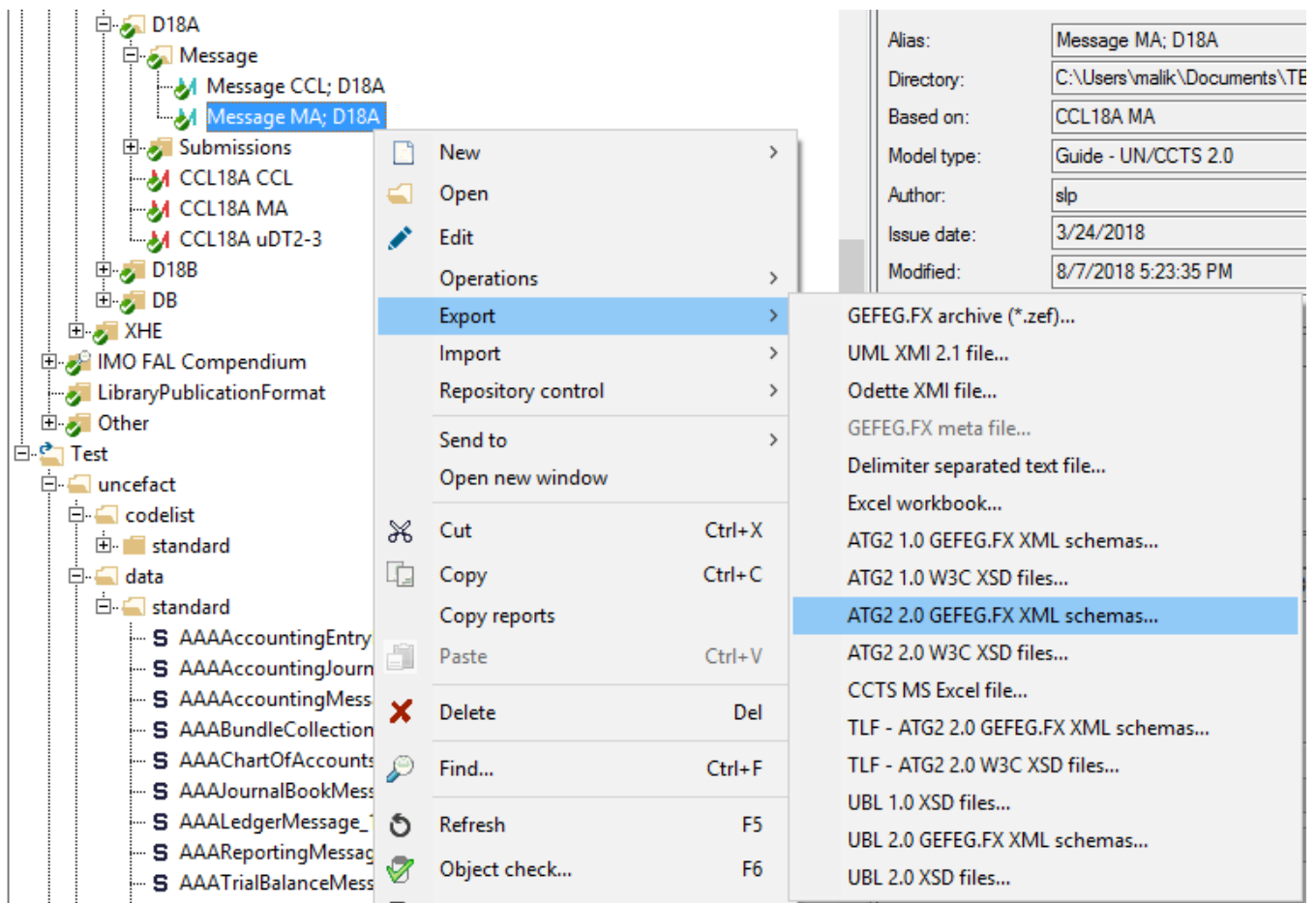


Xsds

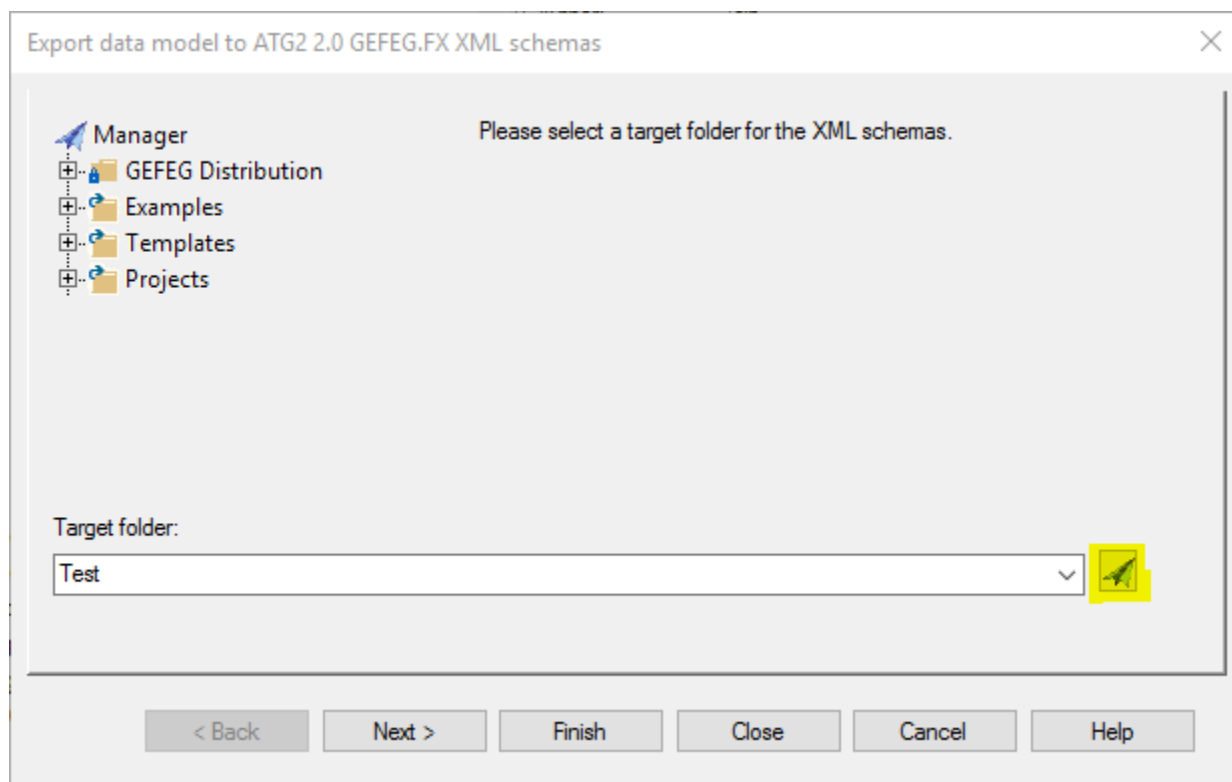
First, we must generate XML schema, based on which we will generate other files

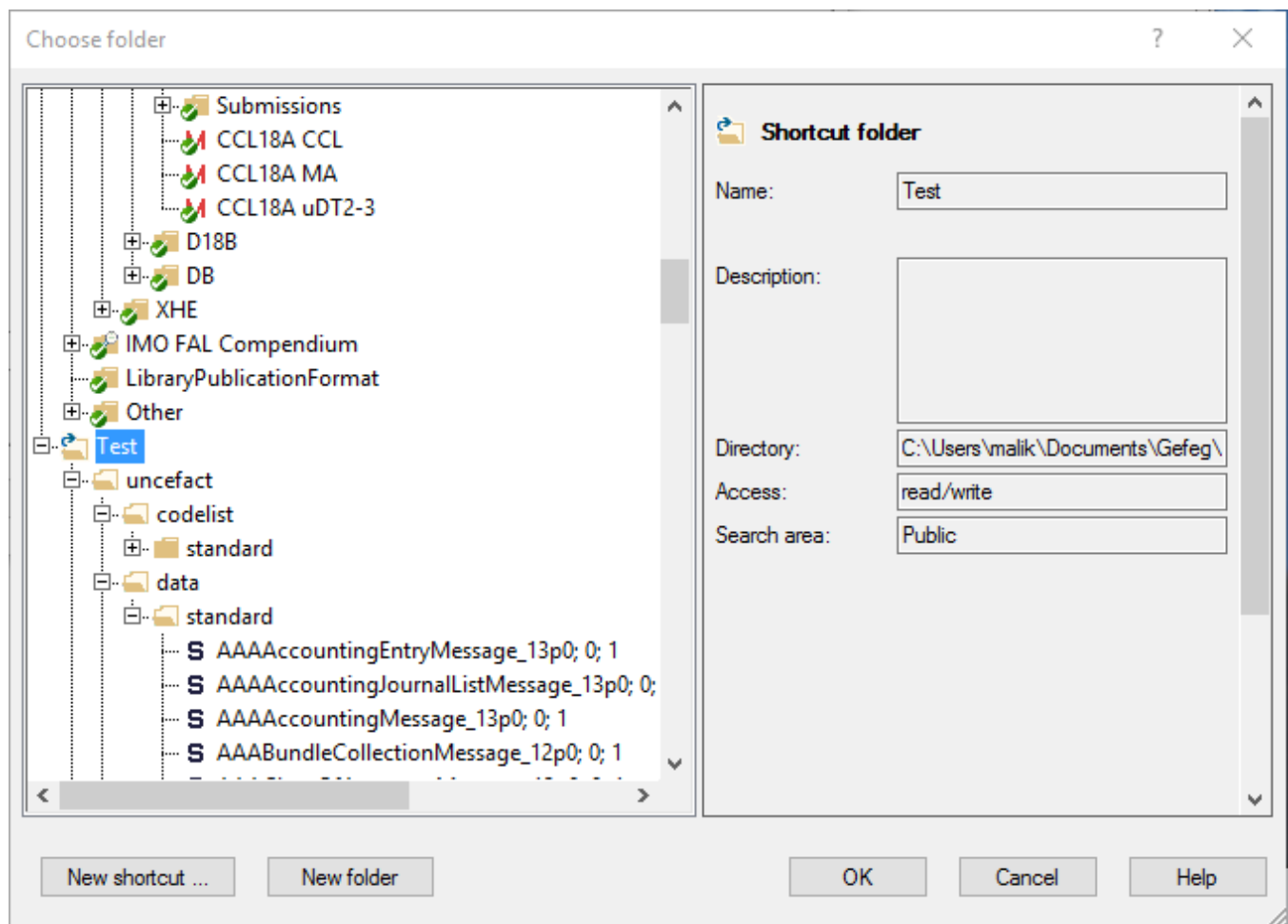
In TBG17REP repository, open TBG17REP/FX/WorkingLib/D18A/Message/**Message MA**

From the context menu select Export "ATG2 2.0 GEFEG.FX XML schemas"

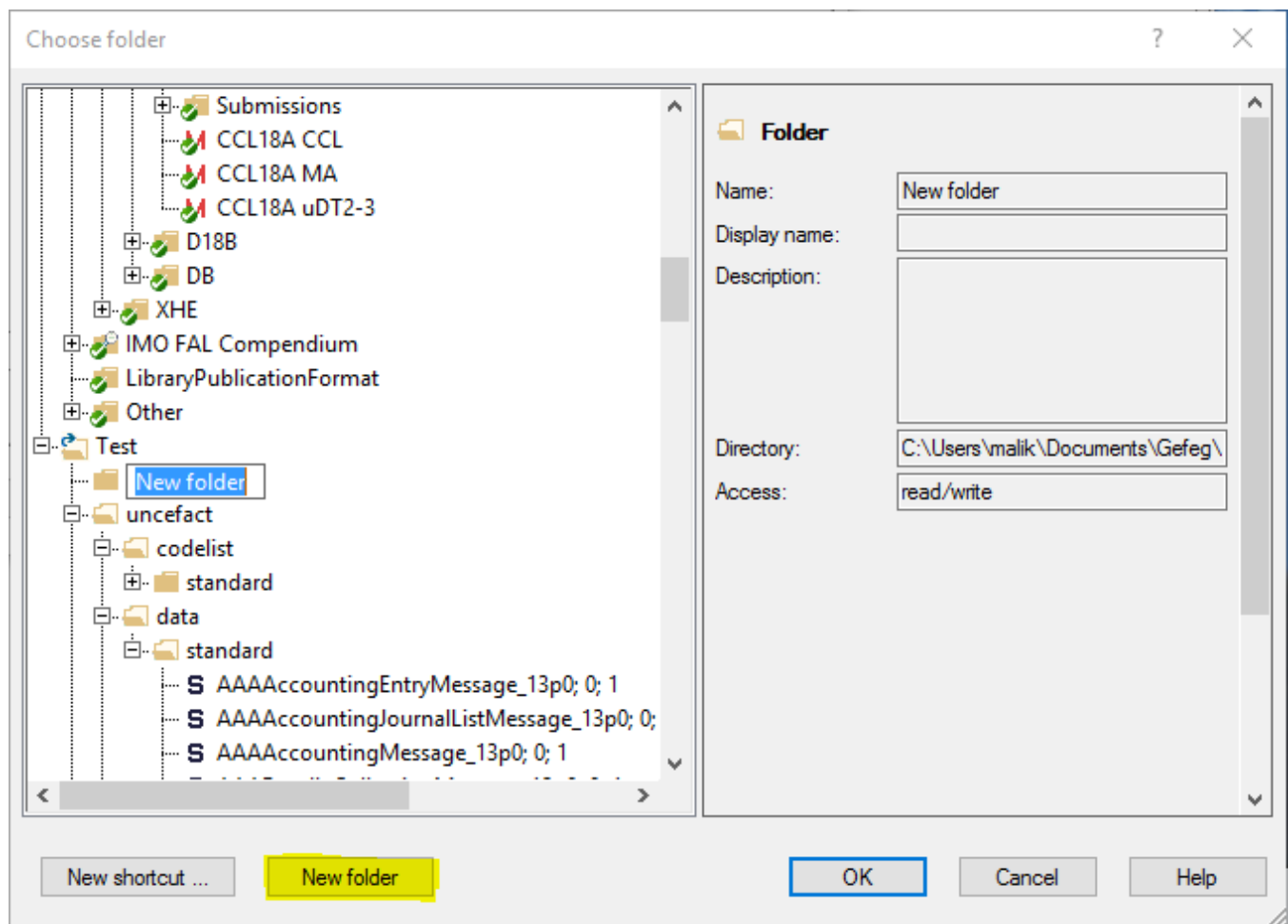


Select output files location

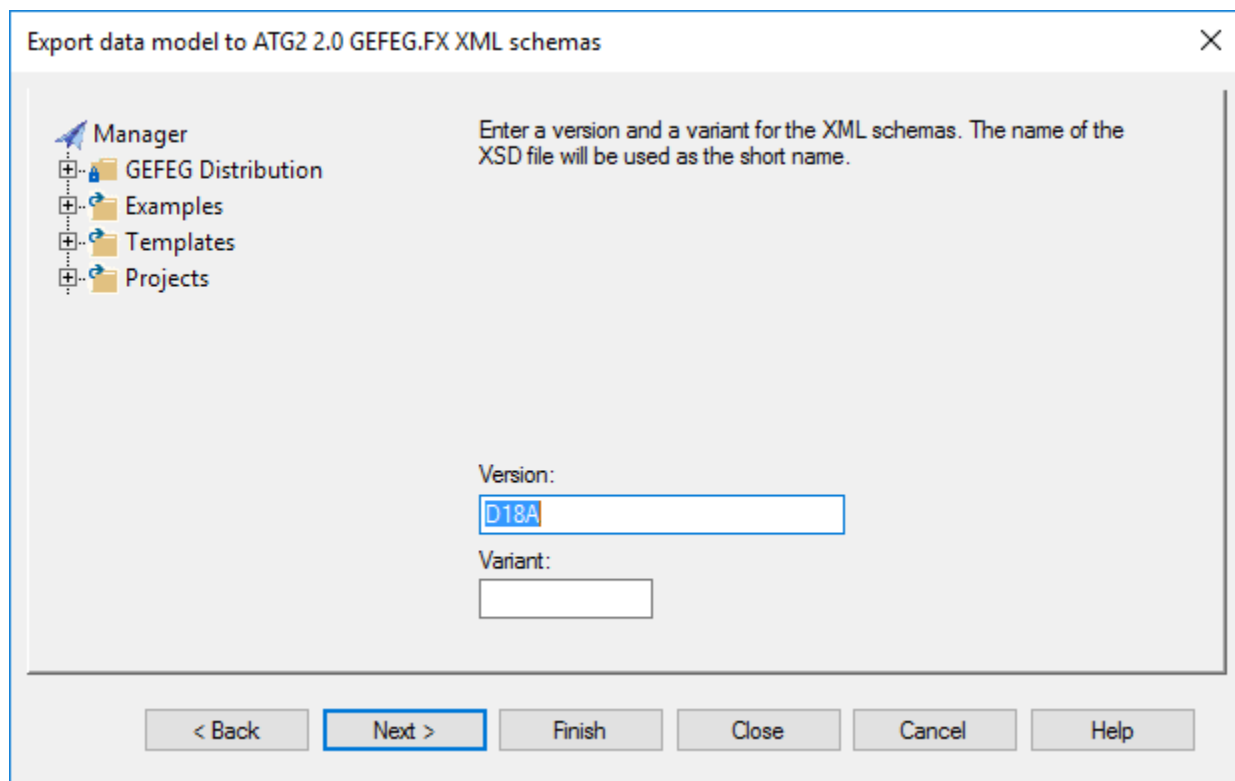




If needed, create a new file structure



Fill version and use following opts (mostly defaults)



Export data model to ATG2 2.0 GEFEG.FX XML schemas

Options 1 for UN/CEFACT XML schema files.

Organization:
un

Organization hierarchy:
unece

Organization hierarchy level:
uncefact

Schema status:
standard

Schema date override:
28AUG18

Version:
Major: 1 Minor: 0 Revision:

Folder name:
uncefact

URL:
http://www.unece.org


< Back Next > Finish Close Cancel Help

Export data model to ATG2 2.0 GEFEG.FX XML schemas

Options 2 for UN/CEFACT XML schema files.

Identifier note:
Pub Refs/Identifier

Version note:
Pub Refs/Version

☐ UnqualifiedDataType_2p0.xsd
☐ UnqualifiedDataType_3p0.xsd
☒ Create Unqualified Data Type Schema Module from data model
☐ Choose: 

☐ Use absolute URL in schemaLocation attribute.

< Back Next > Finish Close Cancel Help

Export data model to ATG2 2.0 GEFEG.FX XML schemas

Options for user XML schema files

Version:
Major: Minor: Revision:

Schema namespace name begins with:

Folder name:

< Back **Next >** Finish Close Cancel Help

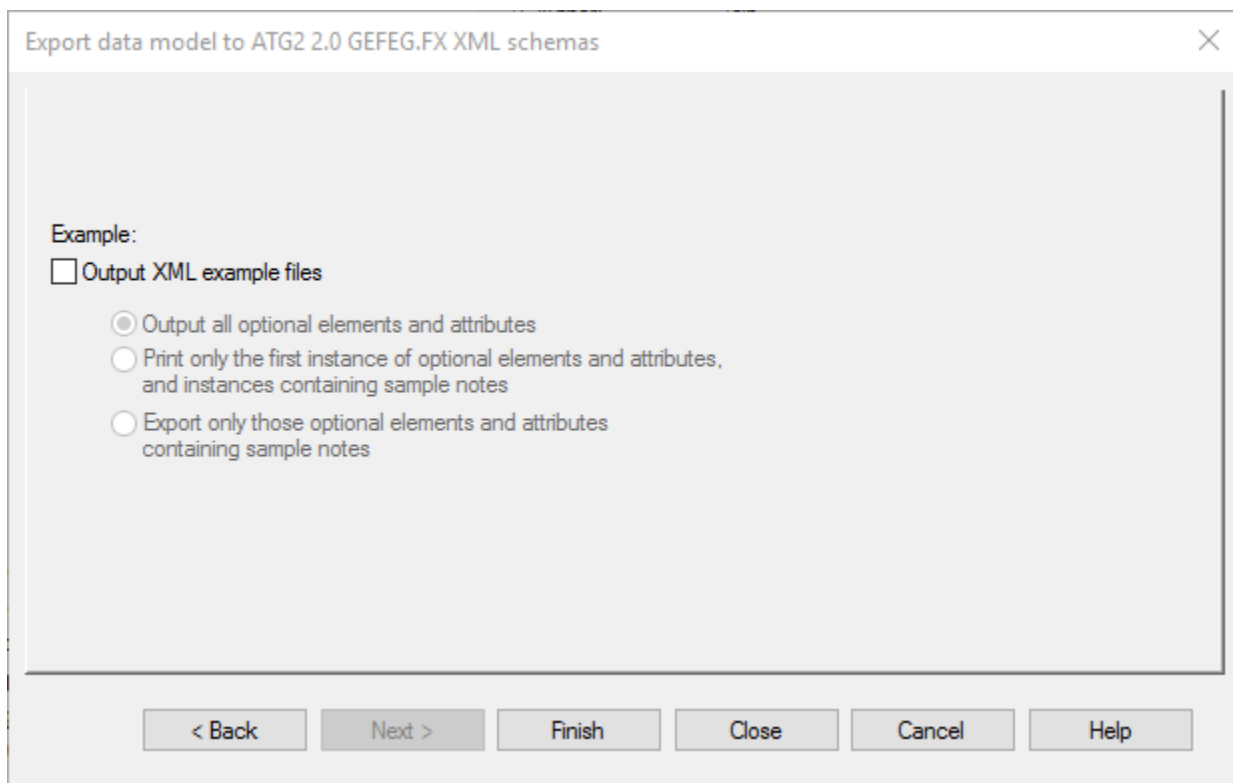
Export data model to ATG2 2.0 GEFEG.FX XML schemas

Documentation:
☒ CCTS annotations will be created

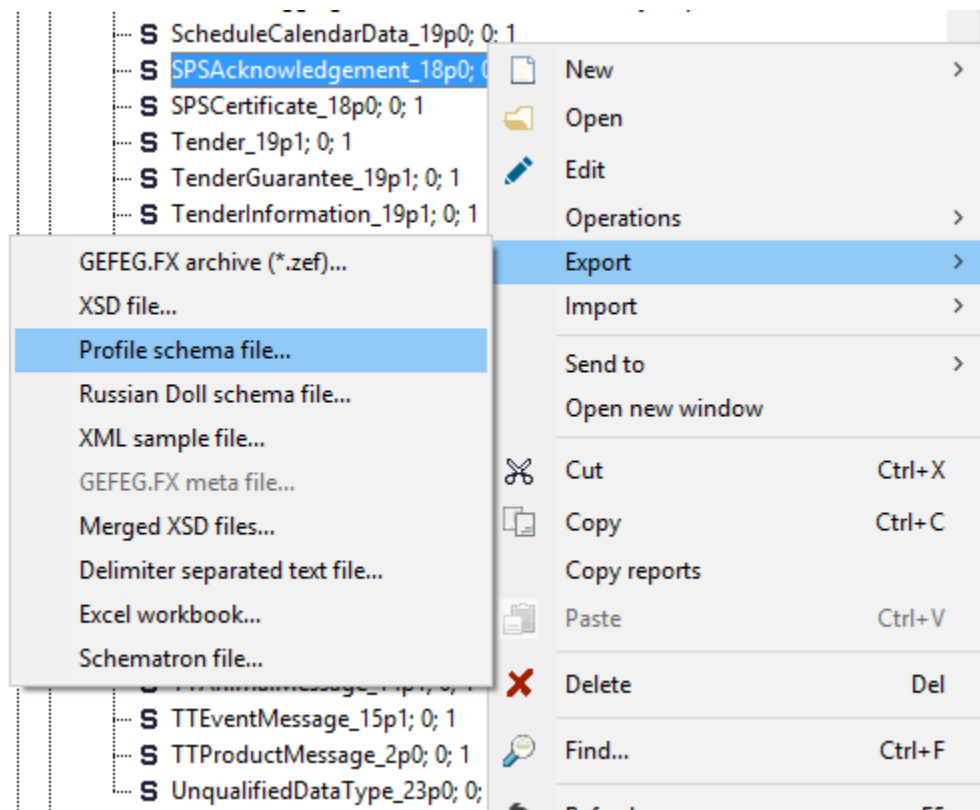
Comments:
☒ XML comments will be created

Codes:
☒ Codes will be adopted
☒ Code list schema modules will be created

< Back Next > Finish Close Cancel Help

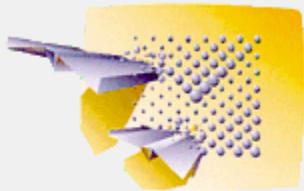


From previously produced schema, select desired message and from context menu Export it into "Profile Schema file"



Use defaults

Export profile schema file




XML schema:

Root element:
 E

Export profile schema file

Enter the path and file name for the XSD file to be created.



XSD file:

Select

- Enumerations(Codes)
- MinOccurs
- MaxOccurs
- Use (attribute)

Export profile schema file

☒ Please specify additional properties to profile:

- ☒ Enumeration(Codes)
- ☒ MinOccurs
- ☒ MaxOccurs
- ☒ Use (attribute)
- ☐ Length
- ☐ MinLength
- ☐ MaxLength
- ☐ WhiteSpace
- ☐ TotalDigits
- ☐ FractionDigits
- ☐ MinExclusive
- ☐ MinInclusive
- ☐ MaxExclusive
- ☐ MaxInclusive

How should be dealt xs:any oder xs:anyAttribute with processContents= "strict" or "lax"?

☒ Export all elements respectively attributes of the allowed namespaces to the xsd-file

< Back Next > Finish Close Cancel Help

Click on Finish

Export profile schema file

Notes

- Name
- Desc
- Remark
- Id
- Mapping
- Inbound
- Outbound
- ??
- Example
- Note1
- Note2
- Note3
- Check
- ErrrMen

Select notes you want to ex- or include

☒ Exclude
☐ Include

(Replace standard name.)

< Back Next > Finish Close Cancel Help

Use defaults

Export profile schema file

Specify whether you want to output the XML schema's documentation.

☒ Output xs:documentation

☒ Output note label in attribute of xs:documentation elements

☐ Export empty note fields

☐ Use attribute "source" (compatibility)

☐ Use notemapping file

ATG1

☐ No documentation

Output of enumeration values

☒ Schema-proprietary codes

☒ External codes

Character set:

UTF8

☒ Replace dots in file name

Export will produce set of *.xsd files

Name	Date modified	Type	Size
SPSAcknowledgement_18p0.xsd	8/9/2018 11:16 AM	XSD File	10 KB
SPSAcknowledgement_18p0_urn_un_unece_uncefact_codelist_standard_UNECE_DocumentNameCode_D17B.xsd	8/9/2018 11:16 AM	XSD File	305 KB
SPSAcknowledgement_18p0_urn_un_unece_uncefact_codelist_standard_UNECE_ReferenceTypeCode_D17B.xsd	8/9/2018 11:16 AM	XSD File	298 KB
SPSAcknowledgement_18p0_urn_un_unece_uncefact_codelist_standard_UNECE_StatusCode_D17B.xsd	8/9/2018 11:16 AM	XSD File	185 KB
SPSAcknowledgement_18p0_urn_un_unece_uncefact_data_Standard_QualifiedDataType_23.xsd	8/9/2018 11:16 AM	XSD File	22 KB
SPSAcknowledgement_18p0_urn_un_unece_uncefact_data_Standard_ReusableAggregateBusinessInformationEntity_23.xsd	8/9/2018 11:16 AM	XSD File	46 KB
SPSAcknowledgement_18p0_urn_un_unece_uncefact_data_Standard_UnqualifiedDataType_23.xsd	8/9/2018 11:16 AM	XSD File	32 KB

That may be zipped into one, for example SPSAcknowledgement-XSDs.zip for publication

EXAMPLE OUTPUT [SPSAcknowledgement-XSDs.zip](#)

HTML Structure report

(for now available only for Reference Data Models - MMT and SCRDM)

In TBG17REP repository, open TBG17REP/FX/Reference Data Models/SCRDM/D18A/Context/**SCRDM 18a Context BUY Master**

In TBG17REP repository, open TBG17REP/FX/Reference Data Models/MMT/D18A/Context/**MMT 18a Context SHIP Master**

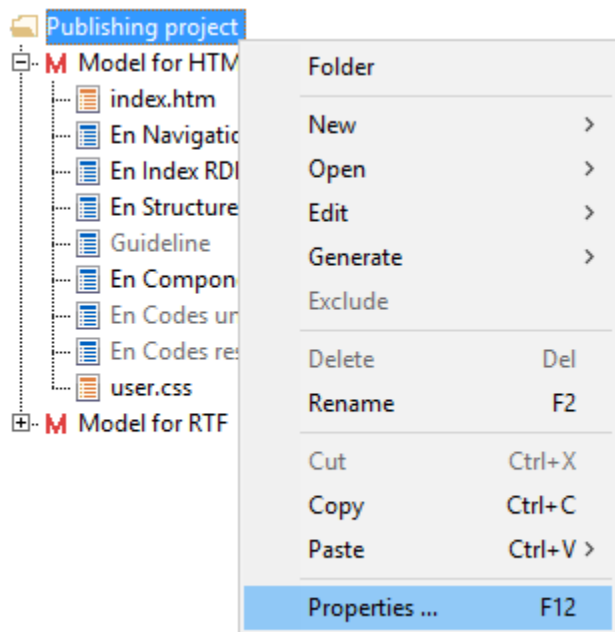
Open appropriate Publishing Project (.man) - Documentation RDM.man

D18A			
Context			
Catalogue			
Deliver			
Invoice			
Order			
Quotation			
Remittance			
Scheduling			
SCRDM D18A Context BUY Master			
SCRDM D18A Context CCL			

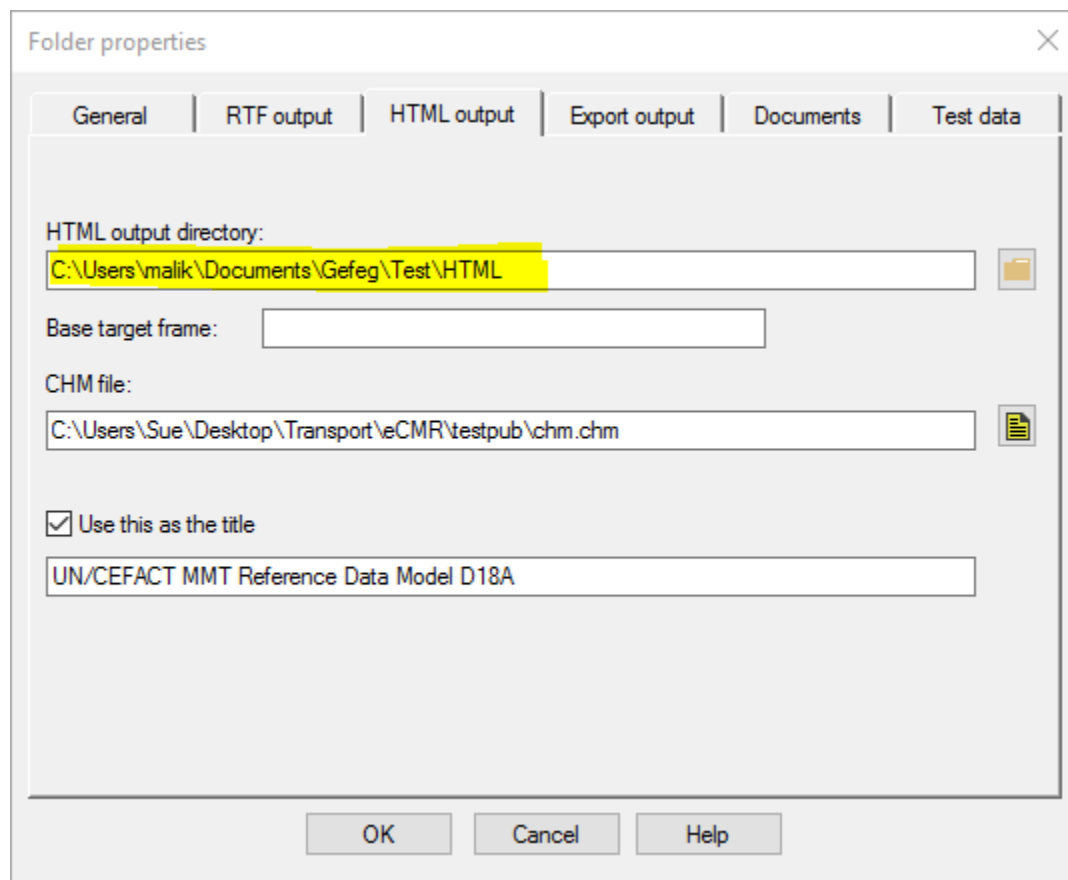
En C 3 - Components RDM (html).lyt	3/13/2018 9:54:58 PM	Layout
En C 1 - Structure RDM (html).lyt	3/13/2018 9:54:58 PM	Layout
En Header (html).lyt	9/5/2018 2:33:39 PM	Layout
En Cover RDM (print).lyt	9/5/2018 2:33:39 PM	Layout
En Navigation.lyt	9/5/2018 2:33:39 PM	Layout
En Structure RDM (html).lyt	9/5/2018 2:33:39 PM	Layout
En Index RDM (html).lyt	9/5/2018 2:33:39 PM	Layout
RDM_HTML.man	9/5/2018 2:33:39 PM	Publishing project
Documentation RDM.man	9/5/2018 2:33:39 PM	Publishing project
default_html_rtf.man	3/13/2018 9:54:58 PM	Publishing project

Before the export make sure your output directory exists and is accessible

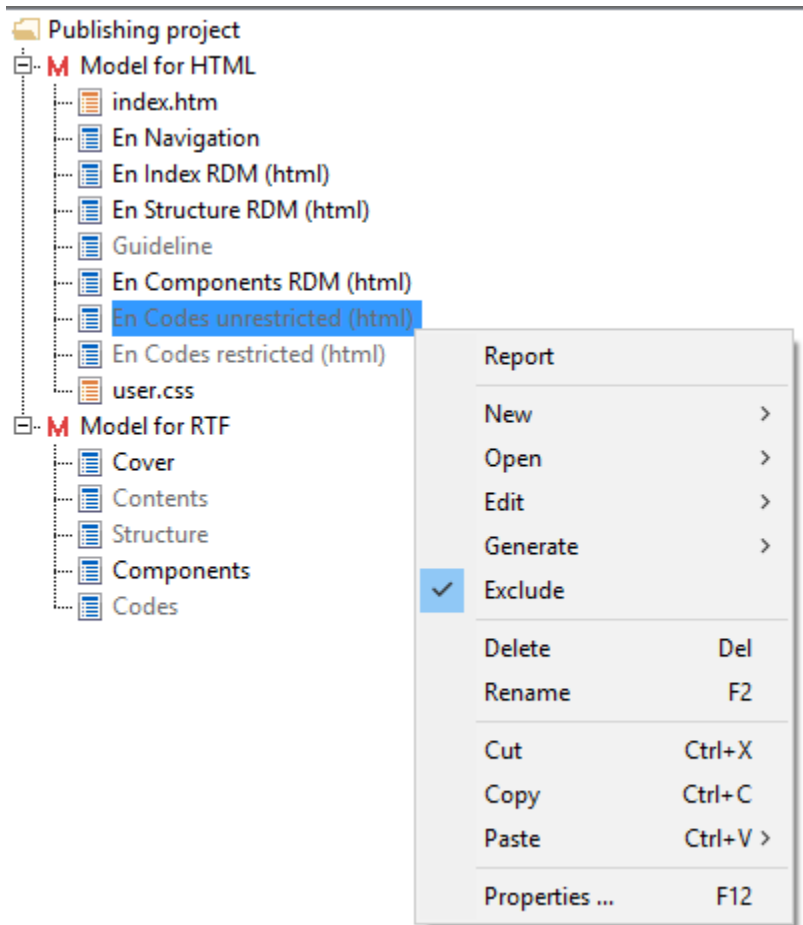
From Publishing Project context menu, select Properties



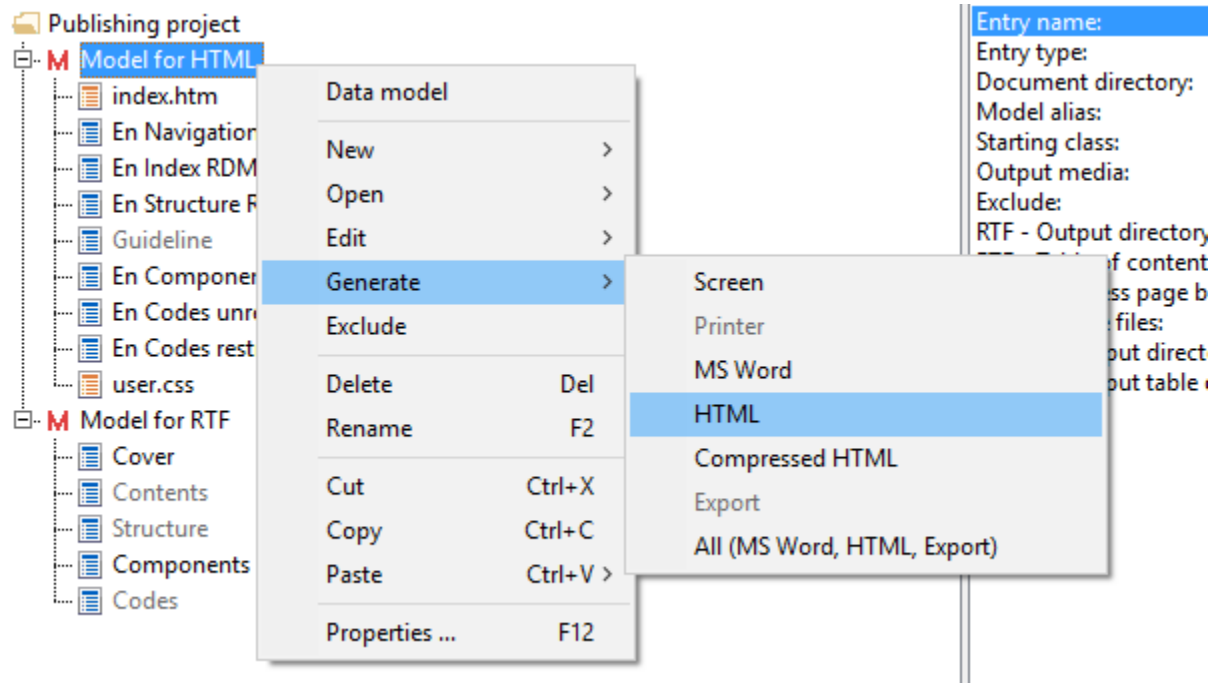
in HTML output tab check or change HTML output directory



If you need to exclude some part of the export (make link inactive) from the context menu on the item, select Exclude



on Model for HTML from the context menu select Generate - HTML



Export will take a few minutes and generate large number of HTML and related files to the output directory,

Example of HTML under index.html - Start:

Start	Structure	Components	Restricted CL	Full CL		
▲	▲	▲	▲	▲		

UN/CEFACT – SCRDM
 Standard
 CEFACT/SEP/2018

**UNITED NATIONS
 CENTRE FOR TRADE FACILITATION AND ELECTRONIC BUSINESS
 (UN/CEFACT)**

**International Supply Chain PROGRAMME DEVELOPMENT AREA
 Supply Chain DOMAIN**

Supply Chain REFERENCE DATA MODEL (SCRDM)
 MASTER STRUCTURE AND SUBSET OF CCL D18A (CONTEXT CCL)

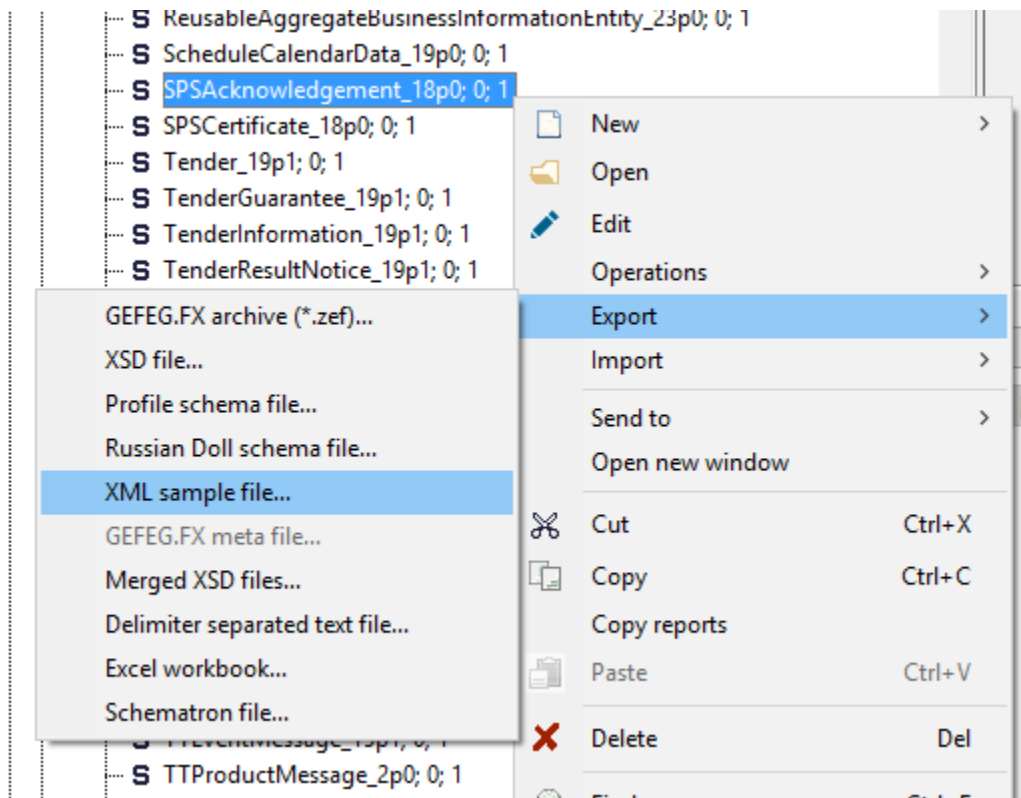
Source: SCRDM Project Team
 Date: 9/11/2018
 Status: D18A

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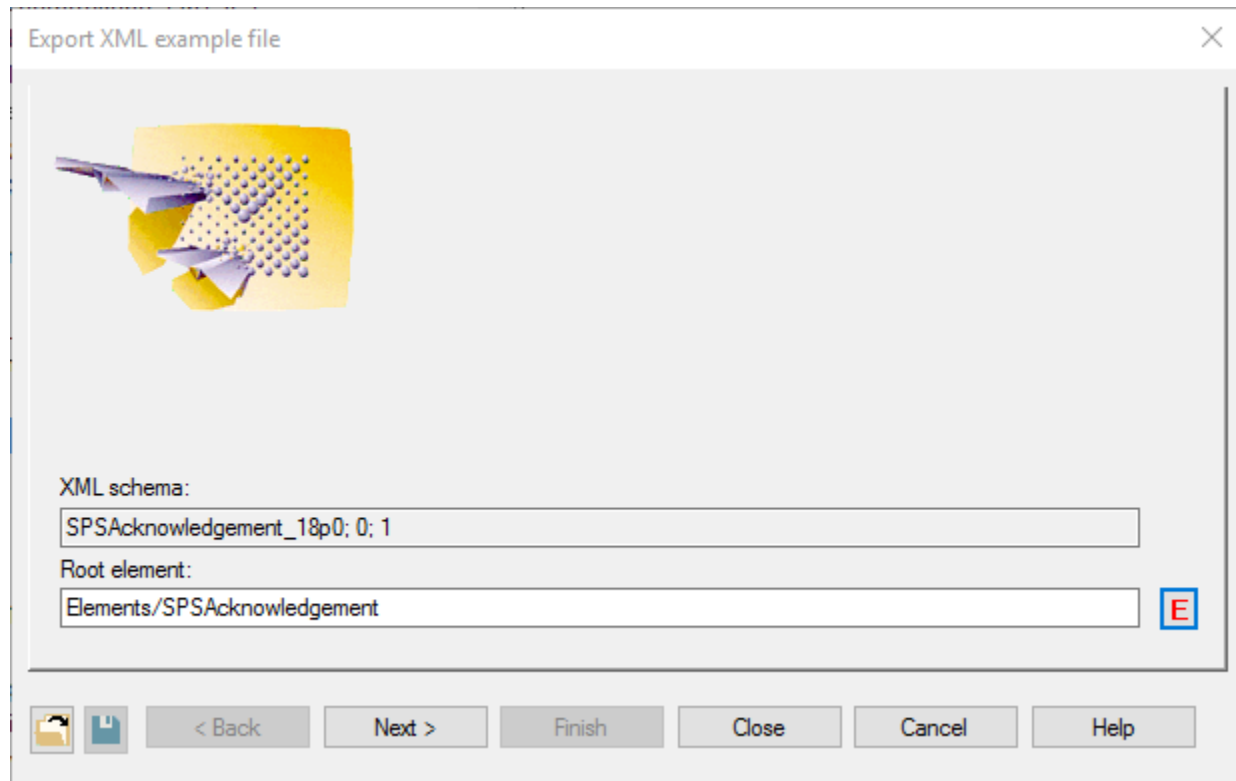
EXAMPLE OUTPUT [SCRDM HTML 11092018.zip](#)

XML sample files


From previously produced schema, select desired message and from context menu Export it into "XML sample file",



For Export XML Example file options, use all defaults




Export XML example file





Enter the path and file name for the XML file to be created.

XML file:

ers\malik\Documents\Gefeg\Test\TBG18\veCERT\SPS_Certificate\SPSAcknowledgement_18p0.xml





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Next >

Finish

Close

Cancel

Help

Export XML example file

Elements and Attributes

☒ Export all optional elements and attributes

☐ Export only the first instance of optional elements and attributes, and instances containing sample notes

☐ Export only optional elements and attributes containing sample notes

☐ Export only mandatory elements and attributes

☐ Create maximum number of element repetitions

10

elements, if "MaxOccurs = unbounded"

Example Notes/Codes

☒ First example/code



☐ Randomize

☐ Cycle

Substitution-Groups

☒ Generate examples for only one substitution

☐ Generate examples for all substitutions



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Finish

Close

Cancel

Help

Export XML example file

Set schema in example file

☒ No associated schema



☐ Export associated schema

C:\Users\malik\Documents\Gefeg\Test\TBG18\eCERT\SPS_Certificate\SPSAcknowledgement_18p0.xsd

☐ Set schema location

Character set:

UTF8

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EXAMPLE OUTPUT SPSAcknowledgement_18p0-SampleFile.xml