



NeTex - Resources and documentation

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Official documentation

The official CEN NeTEx documentation can be purchased from your National Standardization Body.

This applies to part 1 to 3

as well as to part 4, the European Passenger Information Profile (EPIP)



Some additional resources

<https://data4pt-project.eu/>

<http://netex-cen.eu/>

<https://github.com/NeTeX-CEN/NeTeX>

<https://data4pt.org/wiki/NeTeX>

<http://www.normes-donnees-tc.org/format-dechange/donnees-theoriques/netex/>

(in French)

<http://www.transmodel-cen.eu/>



Profiles and other resources

National NeTEx Profiles

<http://www.normes-donnees-tc.org/profils/>

https://transportdatamanagement.ch/content/uploads/2020/11/NeTEx_Core-Realisation_Guide_TP_Suisse-v0.8.8.4.pdf

<https://enturas.atlassian.net/wiki/spaces/PUBLIC/pages/728891481/Nordic%2BNeTEx%2BProfile>

<https://www.vdv.de/vdv-462-netex-recommendation-v00-22-english.pdf>

http://netex.uk/farexchange/doc/uk_profile/DfT-NeTEx-3-Fares_Spec-2019.06.17-v0.17.pdf

<https://bison.dova.nu/standaarden/nederlands-netex-profiel>

https://data4pt.org/NeTEx/GraphicKit/XSD_reduced.zip (*XSD reduced to EPIP scope*)

Tools

<https://github.com/entur/>

<https://github.com/enroute-mobi/> <https://enroute.mobi/chouette/>

<https://github.com/skinkie/hastus>

<http://docs.opentripplanner.org/en/dev-2.x/Netex-Norway/>

https://github.com/CanalTP/transit_model/tree/master/gtfs2netexfr

<https://mobilitx.diginext.fr/>

<https://www.lumiplan.com/produit/mobiref/>



Data4PT website...

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data4pt-project.eu/knowledge-database/

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Knowledge Database

GUIDELINES

FAQ

TRAINING MATERIAL

WIKI PAGE

Providing NeTeX as open data on a National Access Point (NAP)

29/01/2021

Ideally all member states will provide NeTeX files according to the European Passenger Information Profile (EPIP) on their respective National Access Point. Data4PT provides some artefacts to simplify producing and quality assure such information.

First of all a simplified and EPIP-adapted version of the full NeTeX XML schema has been produced. A graphic and interactive technical presentation of the adapted schema is available.

Continue to the presentation **HERE**

Download the EPIP adapted XML-schema **HERE**

Download an EPIP example file **HERE**

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Data4PT website and WIKI...

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Knowledge Database

- GUIDELINES
- FAQ
- TRAINING MATERIAL
- WIKI PAGE

FAQ concerning generating C# code from NeTeX XSD
1/02/2021
The Data4PT project has developed some separate XSD-files that may be useful when generating C# code. Read more [HERE](#)

FAQ concerning NeTeX (general)
1/02/2021
Continue to NeTeX FAQ [HERE](#)

FAQ concerning Transmodel
28/01/2021 [Privacy & Cookies](#)

FAQ

How do you create C# classes from the NeTeX XSD? [\[edit \]](#) [\[edit source \]](#)

Answer: It is possible to create C# classes in different ways.

There are many tools out there, but for instance, you could use the **Microsoft xsd.exe** tool or the **mganss/XMLSchemaClassGenerator** tool available on Github at <https://github.com/mganss/XmlSchemaClassGenerator>. Currently there are some issues if you try to use the official NeTeX XSD as a starting point with either of these tools.

However, the above-mentioned tools work fine if you use them together with an adapted set of XSD-files available from Data4PT. The file set is designed to be compatible with the official NeTeX XSD and to cover many important use cases. It does however not cover all use cases possible with the official schema. There is an interactive graphical presentation of the adapted and reduced XSD available at https://data4pt.org/NeTeX/GraphicKit/Documentation_of_reduced_XSD.html

If you wish to try out this reduced XSD, you can download it at https://data4pt.org/NeTeX/GraphicKit/XSD_reduced.zip

The work steps if you are using the Microsoft tool are:

1. Get the zipped XSD. Extract the ZIP to a folder.
2. Make sure that you have a recent version of the xsd.exe. It is part of the .NET Framework Developer Pack and can be downloaded from <https://dotnet.microsoft.com/download/dotnet-framework>
3. Install the developer pack. The xsd.exe will be placed in a folder with a path similar to `C:\Program Files (x86)\Microsoft SDKs\Windows\v10.0\bin\NETFX 4.8 Tools`
4. Open a command prompt in the same folder as where the NeTeX_publication_reduced-NoConstraint.xsd resides.
5. Execute the following command (you may have to adapt the path to xsd.exe): `"C:\Program Files (x86)\Microsoft SDKs\Windows\v10.0\bin\NETFX 4.8 Tools\xsd.exe" /c /language:C# gml_combo_v3_2_1_simplified.xsd NeTeX_publication_reduced-NoConstraint.xsd`

The work steps if you are using the MGANS tool are:

1. Get the zipped XSD. Extract the ZIP to a folder.
2. Download and extract the binary from <https://github.com/mganss/XmlSchemaClassGenerator/releases> to a separate



Questions and discussion ...



Thank you for your attention

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