

User guide

RoadEditor2rry
Tool for transferring truck attributes and individual
changes from map&guide/xServer to Navigation

1 Convert truck restrictions from map&guide/x-Server to Navigator

The RoadEditor2rry-tool is used to transfer truck attributes from the most actual X-Server/map&guide-world to the Navigation world.

Map&guide 2008/2009 provide with the road-editor a powerful tool to change the attributes of streets for the current use. These changes are stored in the RoadEditor.mdb, than can be used by map&guide 2008 onward or other products like xServers. Map&guide navigator can make use these changes by creating a actual restriction file from the data stored in the map + the manual made changes thus creating an rry-file that holds the truck-attribute-data in the map&guide navigator. This file can be created by a batch-job and has to be transfered onto the navigation device.

This is possible because the map-data, the products base on are basically the same, so a 1:1 relation for the segments between the maps is possible, if the map bases on the same version.

2 Input data

2.1 Data files

The tool needs the following data to work

- XServer or map&guide 2008 or 2009 map
- Corresponding RoadEditor.mdb with the user-created input
- Navigation maps of the same map release

And additionally out of internal conversion reasons

- original RoadEditor.mdb with the NAVTEQ truck attributes.
- Segment-conversion tables GDF2Xserver (*.i2a).
- Segment-conversion tables GDF2DF3 (tmclookup*.txt)

2.2 Config.ini:

The configuration file is a text file in ini-format, that contains the necessary information on where to find the data. Please fill in the information in [brackets].

Contents of the file

[Paths]

DF3MapPath= [Path to the navigation maps and tmclookup files]

GPMaPath= [Path to the map&guide/xServer maps and ia2-files]

[Config]

DBConnection= [Database connection string for NAVTEQ RoadEditor.mdb]

DBConnection2= [Database connection string for map&guide RoadEditor.mdb]

A sample configuration file will be provided

Hints:

Die tmclookup files have to be located directly in the DF3MapPath, the navigation maps can be located in subdirectories as well.

Naming convention for tmclookup files:

tmclookup_xxx.txt mit xxx: map name (e. g.. bn)

As DBConnection shall be used the original NAVTEQ RoadEditor.mdb.

As DBConnection2 shall be used the map&guide RoadEditor.mdb, where the edited restrictions are stored. Restrictions in DBConnection2 have priority in case of an overlap.

Both RoadEditor.mdb have to be available

2.3 Differences in the Technologies

There are some differences in the different technologies that causes some minor differences in the data as well, so not all truck attributes can be transferred exactly.

There differences are mostly based on the fact, that in navigation maps all Information is stored in depending on the direction, in contrast to xServer-technology maps.

Additionally not all restriction used in xTechnology can be used in Navigation (e.g. heavy vehicles and self defined restrictions) and there are restrictions not used in xTechnology (e.g. trailer or direction dependent physical restrictions). Different filters are used based on the raw data, so it can happen, that segments in one map generation are not available in another. Best in this case is to compare visually.

A last difference is, that navigation maps often bundle countries to one map (like bnl) while this is different in xTechnology. Navigation maps use major road maps to connect countries, what is not necessary in xTechnology.

2.4 Data processing

To process new rry-files that contains the restrictions for navigation maps is done like this:

- 1) prepare the Config.ini with the correct paths and connection strings
- 2) start the conversion program from the command line
"Roadeditor2rry.exe -c config.ini"
The configuration file parameter is obligatory
- 3) Additional parameters, that can be used
-h for online help
-l [Logfile name]
If a Logfile ist used, all screen output is redirected to a file.

2.5 Output

All rry-files will be created for all maps with sufficient input data. There will be no rry-file created for Major-road maps.

Are there no individual restrictions, only the default NAVTEQ-restrictions will be used

The DF3mappath is used as output-directory.

2.6 Test

Automatic tests are difficult, best is to visualize the restrictions and compare them.