



StreetNet^{CZE} TOURIST

Release 2106 | vector

StreetNet^{CZE} Extension.

Navigation for pedestrians and cyclists



Update

Update of the **geometric component** of StreetNet^{CZE} Tourist extension is included in actualisation processes of StreetNet geodatabase.

Attributes are **systematically and regularly updated** together with the geometric component on the basis of available resources and a field survey.



Release terms

StreetNet^{CZE} TOURIST is, as well as StreetNet, **updated and released twice a year.**



Data structure

Data structure of StreetNet^{CZE} TOURIST is made of **tables** – cyclo, tourist and ccski_route (for pedestrians), **points** – tourist guideposts and **lines and polygons** – ski slopes. Bobsleds (sleigh tracks) are contained too.

It is possible to use each of them individually or in combination with StreetNet geodatabase.

StreetNet^{CZE} TOURIST enlarges the StreetNet geodatabase by new attributes and information related to **tourist and cyclist infrastructure.**

Based on this data it is possible to analyse movement along the road network, search the optimal route and solve navigational tasks not only for automotive traffic but **mainly for tourists and cyclists** particularly on marked tourist, cycle and cycle-tourist routes, cycling paths and other roads.

The data allows **parametrization of preferences for cyclists** and the possibility to choose cycle routes only or combination of cycle routes with other roads where cyclists are allowed.

Coverage

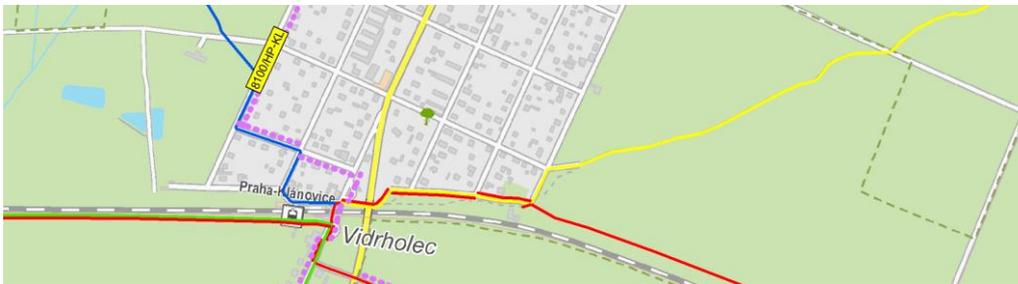
Information on marked tourist routes, cycling trails and cyclo-tourist trails is gathered for the entire area of Czechia in total length of about **86 200 km.**

Length of tourist routes is more than 44 300 km, length of cycling trails and cyclo-tourist trails is 41 870 km.

Number of tourist guideposts is more than 18 300. There is information about 5 300 km of cross-country skiing routes and 590 km ski slopes.

The length of turistic routes, cyclotrails and cyclo-tourist trails in km





Basic data

Co-ordinate system	S-JTSK (or WGS84, S-42)
Data format	DBF, ESRI Shapefile
Reference scale map	1:10 000
Position accuracy	5 – 10 m

Applicability

Imaging	* * * * *
Analysis	* * * * *
Localisation	* * * * *
Navigation	* * * * *

Hiking

Contains information on basic elements of tourist infrastructure in Czechia:

Marked tourist routes and tourist guideposts

They are run predominantly along paths and forest or field tracks and are marked with striped signs with white framing. The middle stripe defines the colour and degree of difficulty of the route. Preferred choice of colours for hiking route signs:

- red – long distance or ridge routes
- blue – significant routes
- green – local routes
- yellow – short routes, connecting routes, shortcuts
- educative trails and local routes



Cycling

Contains information on basic elements of cycling infrastructure in Czechia:

Cycling routes are run along roads, good local roads and purpose-built roads. They are systematically marked with yellow traffic signs with a symbol of a bicycle and number of the particular route. These cycling routes are further categorised into long-distance, regional and local.



Cyclo-tourist routes are run along forest or field tracks or through the field and they are marked with band signs in yellow colour with a red, blue, green or a white stripe in the middle.



Cycling trails

Trails for cyclists physically separated from the “main” road. They are either specifically built cycling trails or existing roads designated exclusively for cyclists or cyclists and pedestrians.



Lanes for cyclists

Lanes designated for cyclists are located within the road or on an adjacent pavement at different altitude.



Roads with restrictions for cyclists

There also exist roads with individual mode concerning the presence of cyclists, where for example the movement of cyclists is only allowed in the direction opposite to the designated one or it is completely prohibited.



Winter Sport Routes

Contains information on basic elements of winter tourist infrastructure in Czechia:

Cross-country Skiing Routes

Cross-country skiing routes are marked as well as hiking ones. Striped signs are framed by orange colour.



Follow signs are either separate the orange version, or joint to hiking and are complemented by a black symbol skier in yellow or orange diamond-shaped box.



Winter Marking

Rods marking hiking and cross-country ski trails are most commonly used in the treeless stretches of mountain trails. They make orientation easier and add to belt signs.

Sections with rod marking may have a different course from the summer.

Ski Slope



Downhill skiing routes are represented as the axes of the slopes within ski areas. Each route has information about a ski resort, a route name and route number (number or letter). There is also information of difficulty and lighting for night skiing area and delimitation of slopes.

Bobsled/Sleigh Track

This StreetNet TOURIST extension contains location and names significant bobsleds and sleigh tracks in Czechia.

