

Mobility and Construction Environment



Czech
Republic
The Country
For Smart
Infrastructure

Institution Responsible: Ministry of Transport, Ministry for Regional Development, Government Council for Public Investment, Chamber of Commerce of the Czech Republic

Managerial responsibility: Ministry of Transport representative, Ministry for Regional Development representative

Opening position

The Czech Republic is building a backbone communications network, but in many places is blocked due to lengthy proceedings. Conventional transport telematics elements are being built up and connected to each other, and new ones are being pilot tested to create, process and then provide information of sufficient quality to control and manage traffic. On the other hand, a sufficiently large network of recharging stations has not yet been built to absorb the coming increase in the number of electric vehicles. Neither transport infrastructure nor legislation are yet ready for the deployment of data-linked and autonomous or automated vehicles. Nor has the issue of city logistics been adequately addressed. Although the Czech Republic has good research, business and training capacity in the construction field, incl. a readiness to build the structures associated with advanced technologies, at the same time, the Czech Republic is continuing to fall down the international rankings in the speed of handling construction permitting. In order to address this area, a Public Investment Council has been set up and the re-codification of public construction legislation is under way.

Goals

- Ensure widespread and affordable use of reliable smart mobility services for both people and objects.
- Complete the backbone transport infrastructure network.
- Build a sufficiently robust network of transport telematics systems in the Czech Republic (at state and regional level) and integrate data from them into the National Transport Information Centre (NDIC) for their further use for controlling and managing traffic and their provision for further use by the private sphere.
- Ensure a permitting process within construction proceedings with mandatory and enforceable deadlines of a maximum of 1 year.
- Simplify and accelerate the administrative processes for construction proceedings and procedures related to digitisation.
- Synchronise and coordinate state administration and local authority activities in transport network construction and transport provision, including provision for the needs of persons with reduced mobility and orientation.
- Ensure an integrated approach of carriers in public passenger transport.
- Ensure a high level of intermodality and support the establishment of logistics centres.
- Prepare for the widespread deployment of alternative fuel cars in real traffic and by enabling the operation of autonomous and automated vehicles, support the further development of the automotive industry in the Czech Republic.

- Create a targeted concept of support for smart cities, including the issue of city logistics.
- Promote the implementation of extensive demonstration and testing pilot projects for smart mobility solutions.

Tools

- Czech Republic Transport Policy.
- Concept for public passenger transport.
- Intelligent Transport Systems Development Action Plan.
- Action Plan for the Future of the Czech Automotive Industry.
- Action Plan for Clean Mobility (building of recharging stations for electric cars, etc.).
- Vision for the development of autonomous mobility and an Autonomous Driving Action Plan.
- Concept for Research, Development and Innovation in the Transport Sector to 2030.
- ESIF, CEF, SFDI, Transport Research Centre.
- Act on Accelerated Construction of Transport Infrastructure (the "Line Act").
- Amendment of the Road Traffic Act, the Roads Act, etc.

- Concept for Smart Cities and Regions at national level.
- Creating a separate, professionally qualified construction office.
- Clear delimitation of competences on the basis of state and local government policies in construction proceedings.
- Integration and review of the public interests affected.
- Introducing the appellation principle in review and at the same time the principle of concentration.
- Defining the protection of the public construction interest (introduction of the European TIA – Territorial Impact Assessment).
- Introduce a binding "nationwide land-use plan" to coordinate and make adequate use of resources (water, finance, infrastructure, energy) and protect, for example, natural wealth, food security, military security, etc.

Notes



