



Správa železniční dopravní cesty



Railway Infrastructure Administration, state organization  
Czech Republic

# High-speed from a perspective of a small Central-European country

Jan ŠULC

Future TEN-T for Economy and Society

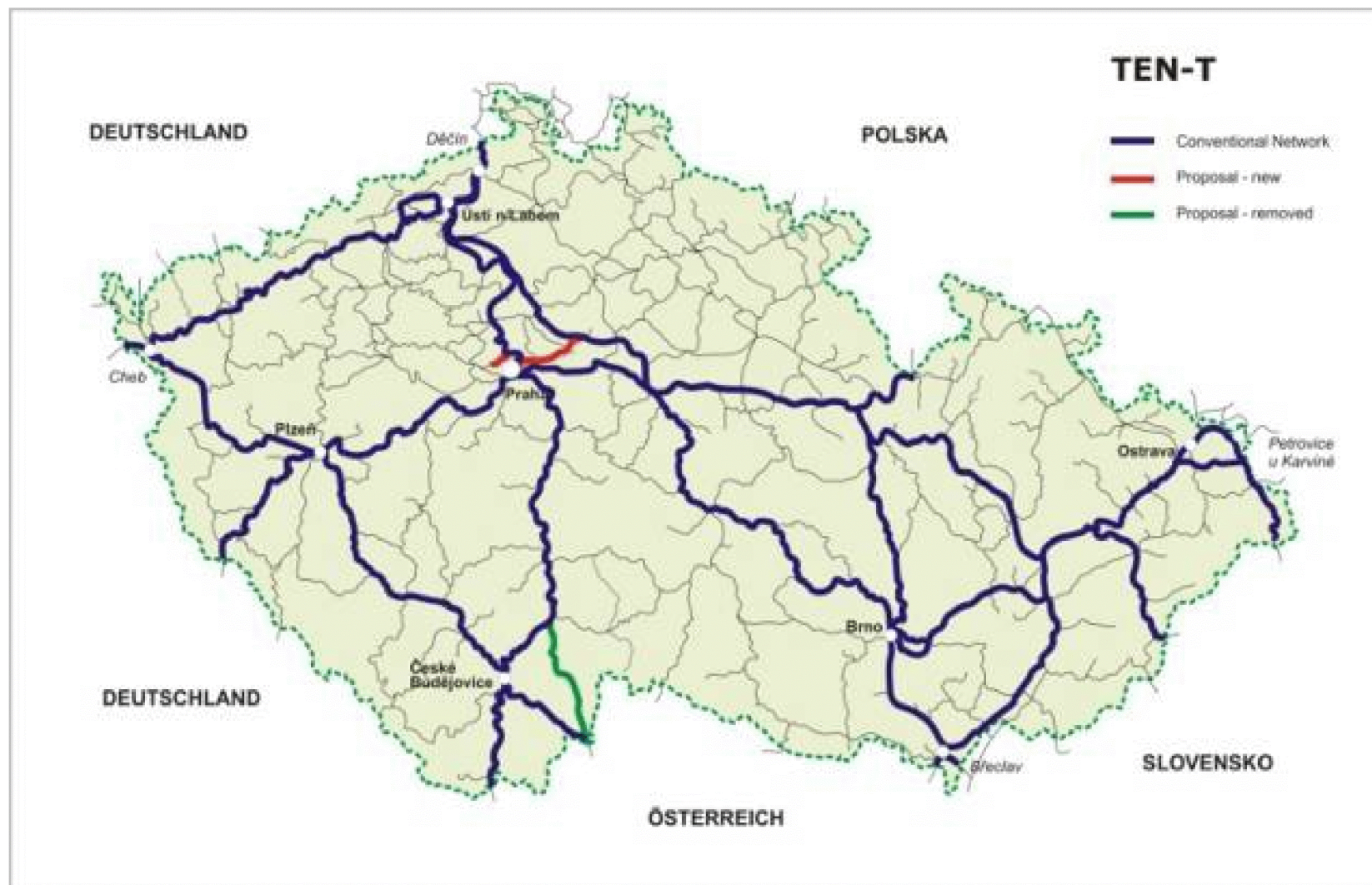
25. 2. 2012, Warsaw





Správa železniční dopravní cesty

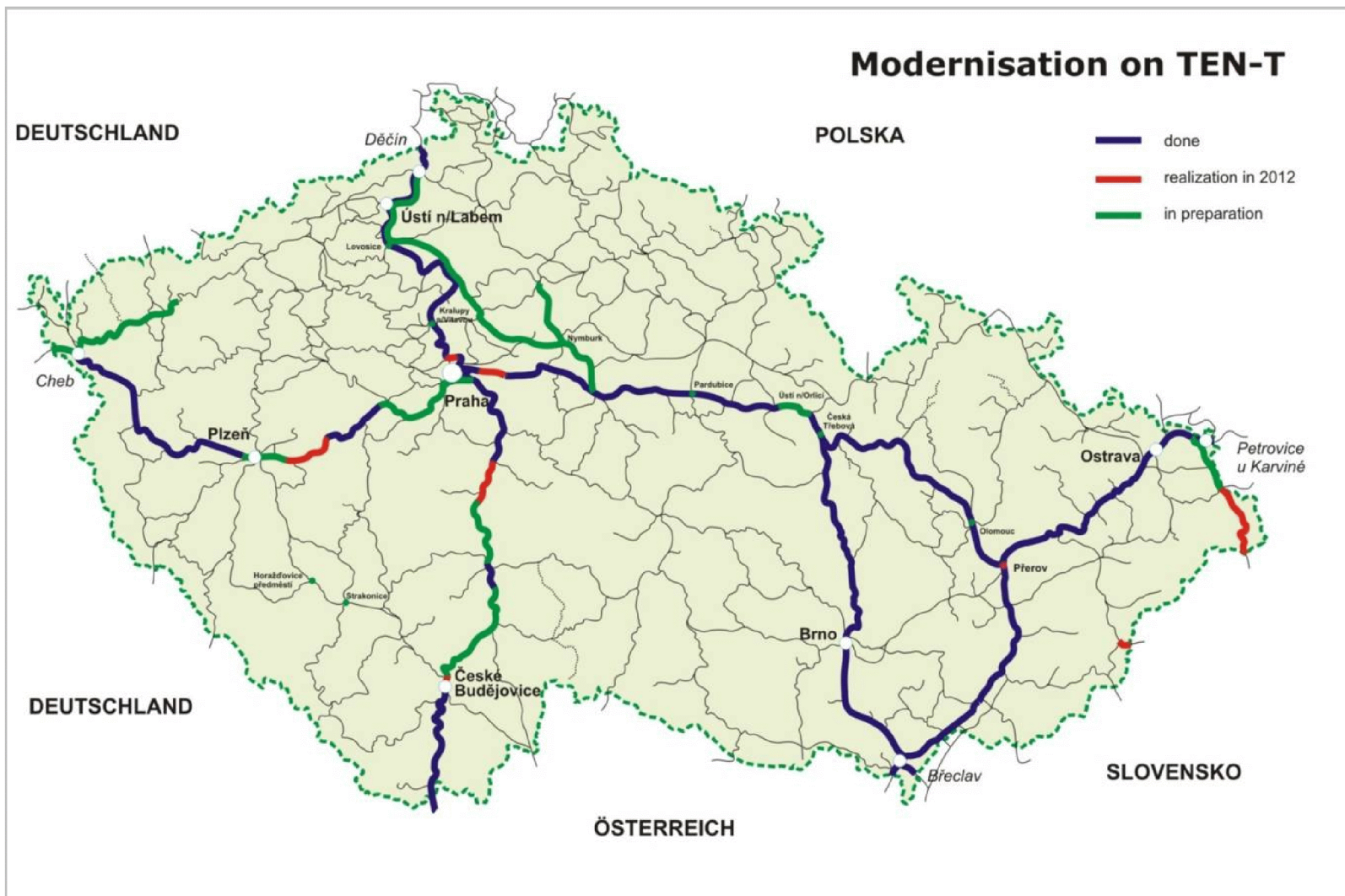
# TEN-T in Czech Republic





Správa železniční dopravní cesty

# Modernisation on TEN-T (SQ)

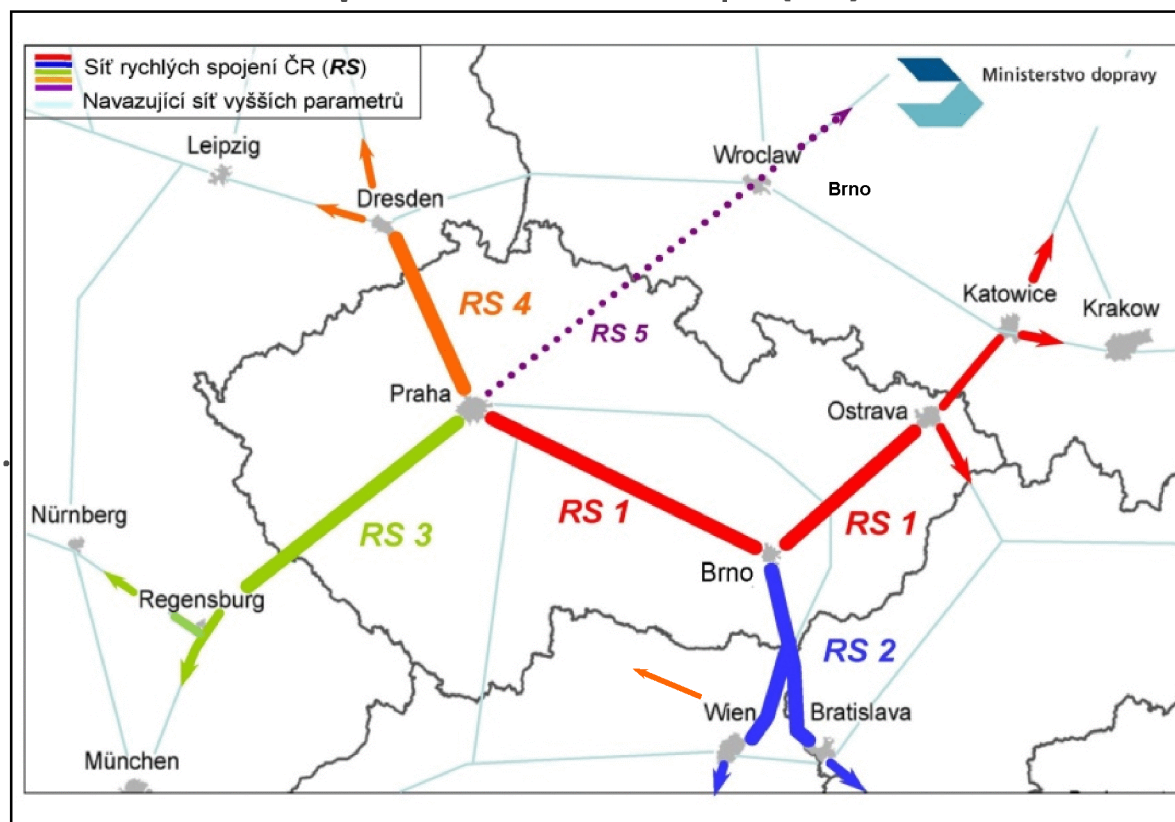




Správa železniční dopravní cesty

# Future railway concept: Rapid Service (RS)

- new TEN-T policy: network of lines for higher speeds (200 km/h and more)
- crucial for speed of passenger transport and capacity of freight transport
- in Czech Republic: preparation in a form of **Rapid Service concept (RS)**
- complex attitude – infra, landscape, stations, crossing points with the existing network, operational matters, planning of types of future services, contribution for the regions, ...
- „RS“: main communication mark of high-speed railway in the Czech Republic

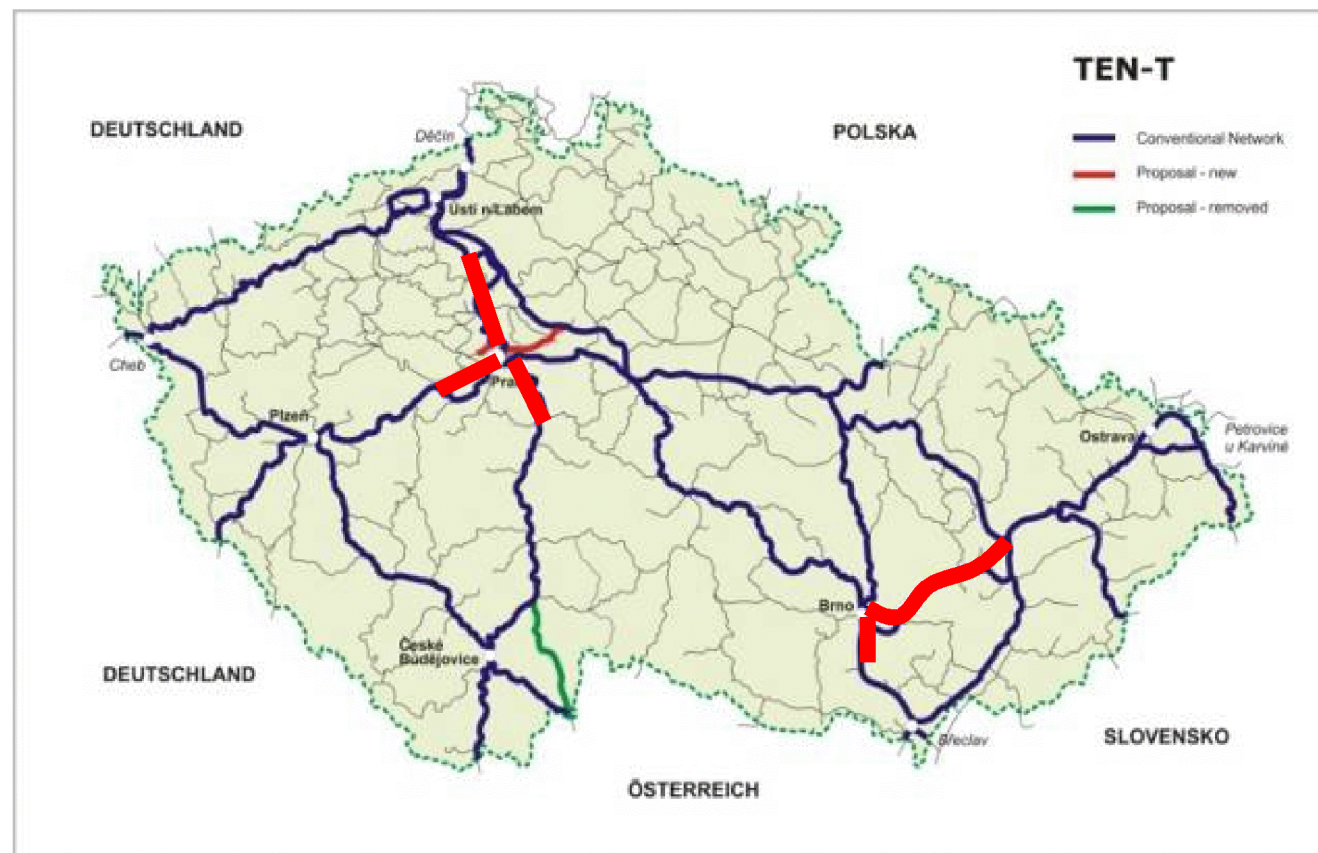




Správa železniční dopravní cesty

## First Phase: till 2030

- **1<sup>st</sup> phase of RS:**
- increase of capacity in urban agglomerations
- modernisation of Brno – Přerov line
- first (testing) HS infrastructure: (Praha – Lovosice, Brno – Vranovice)
- operation speed up to 200 km/h

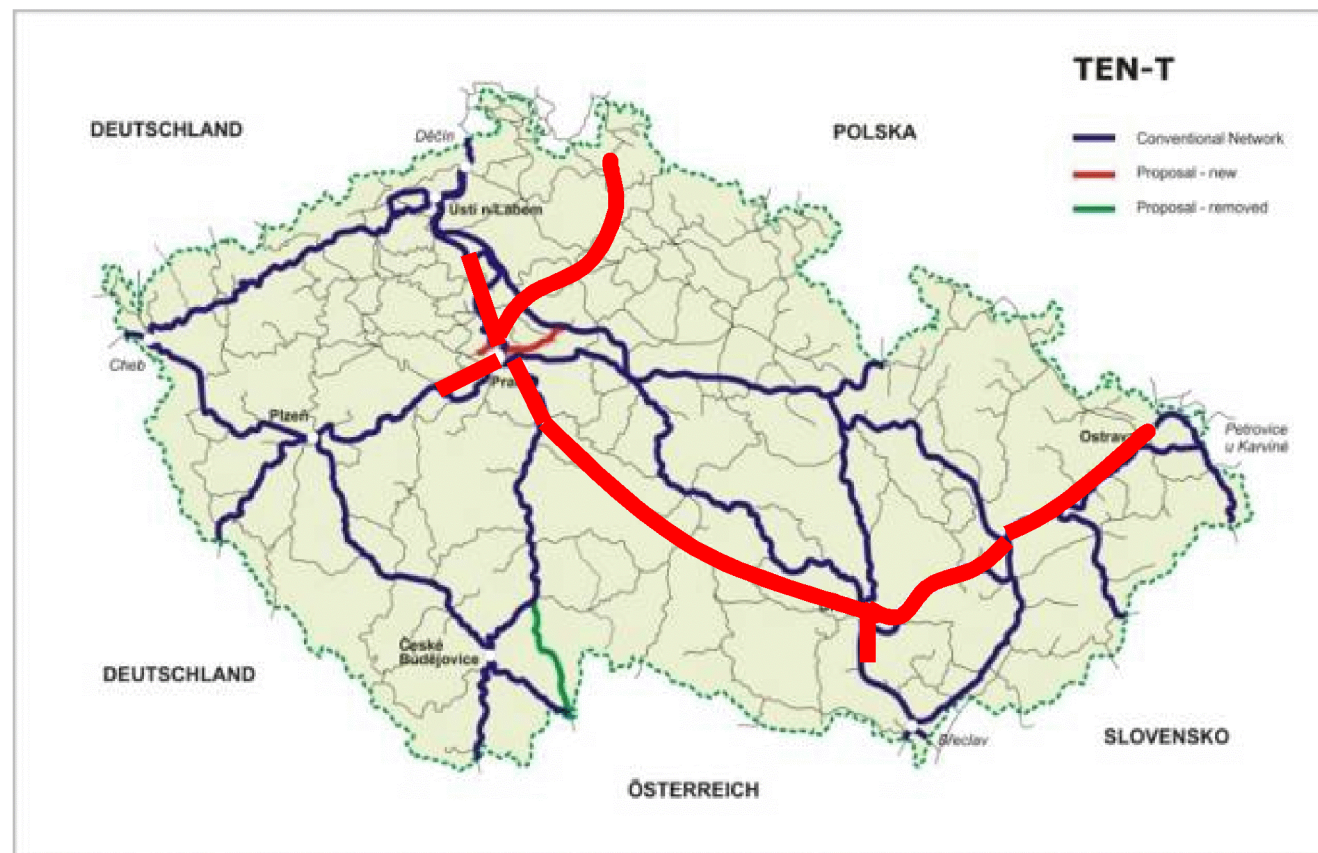




Správa železniční dopravní cesty

## Sccond phase: till cca 2040

- **2<sup>nd</sup> phase:**
- Lovosice – Praha – Brno – Přeřov
- new, very fast backbone line, cca **320 km** long
- replacing of the most problematic sections of the existing network
- using of vehicles available in central Europe (Railjet, ICx, Vectron, Taurus, ...)
- construction speed: **200 – 350 km/h**
- operation speed: **200 – 250 km/h**
- Praha – Liberec – 160 – 200 Km/h

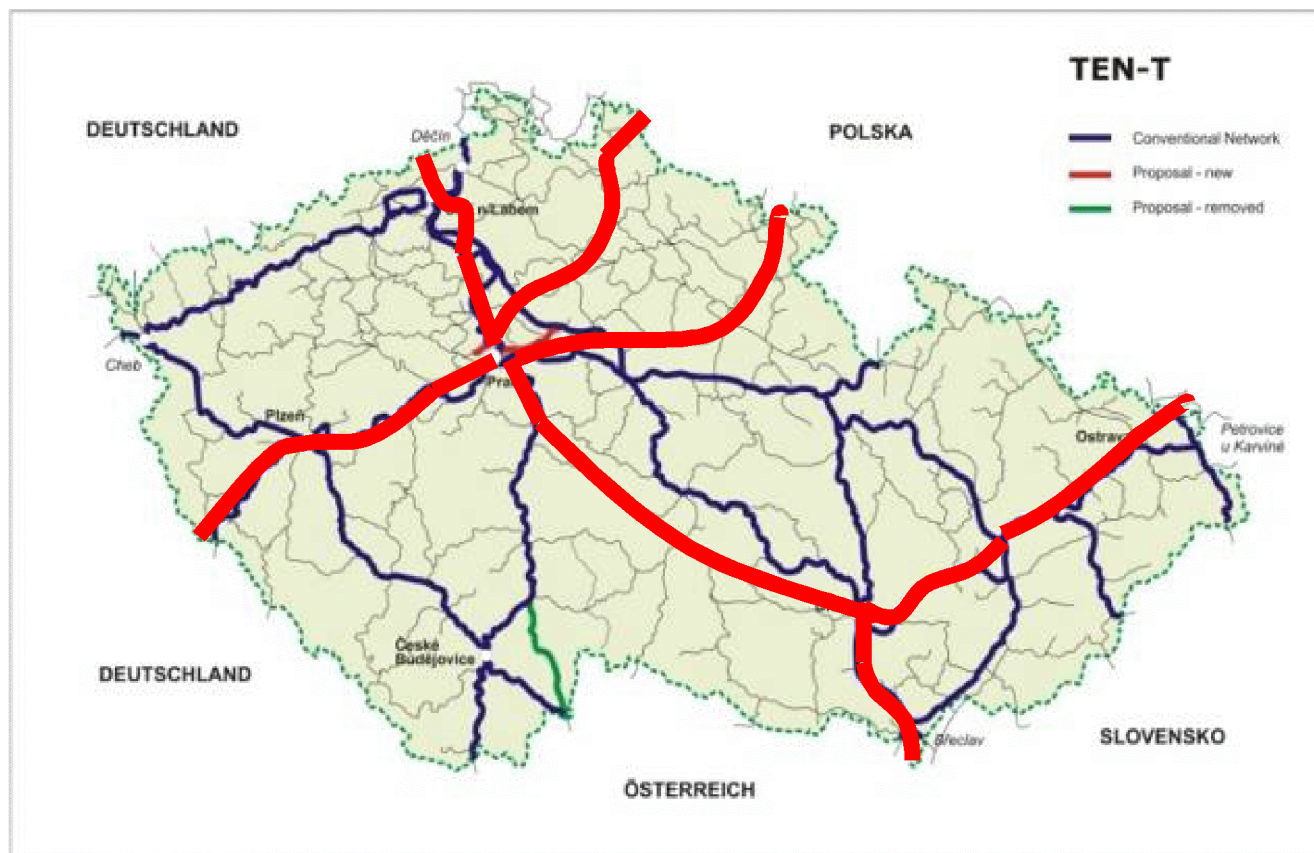




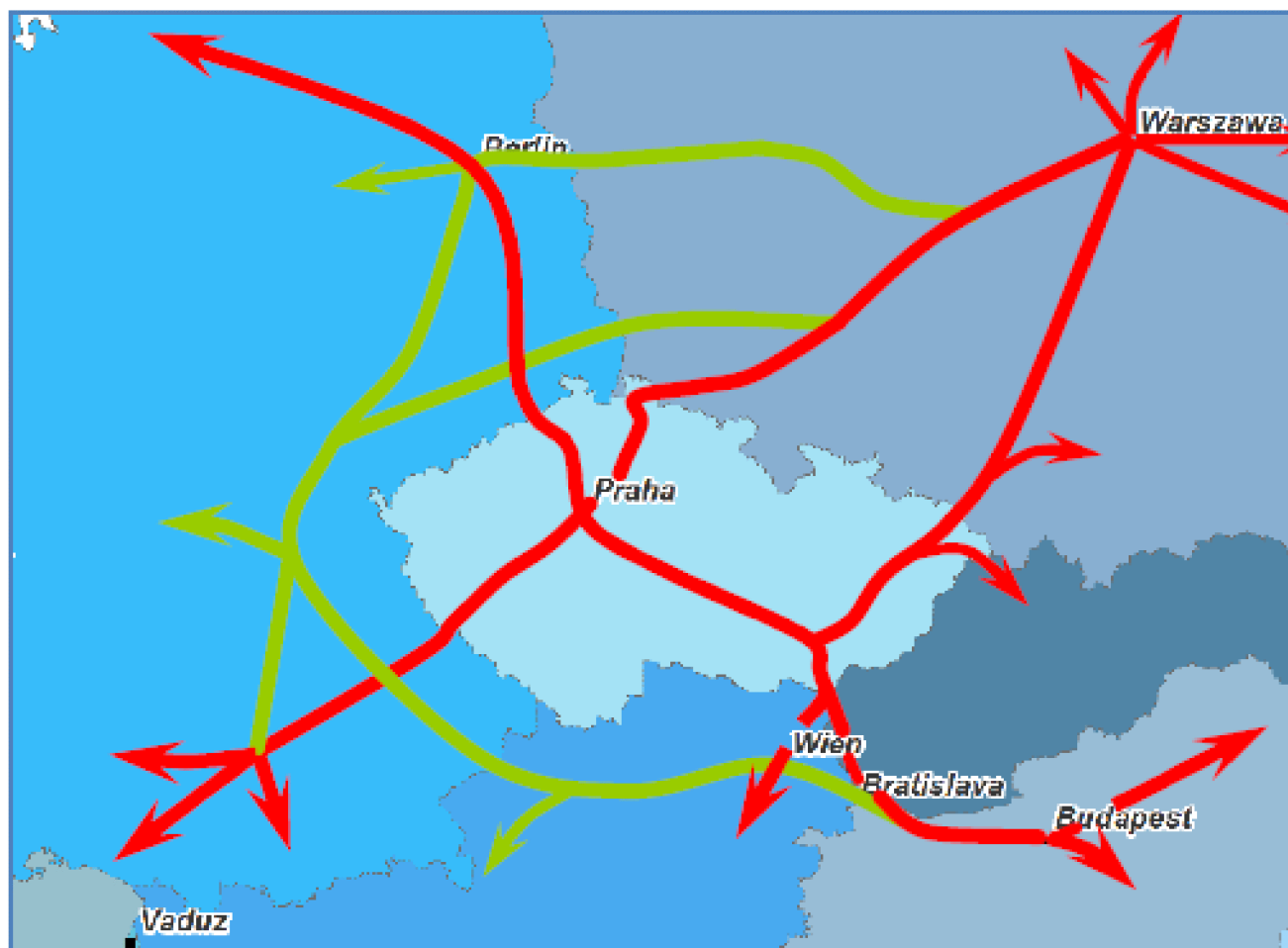
Správa železniční dopravní cesty

- all network including cross-border sections
- operation speed: **200-350 km/h**
- total length: cca **850 km** of HSL

## Final phase: till 2050



# RS benefits: Middle Europe HS crossing

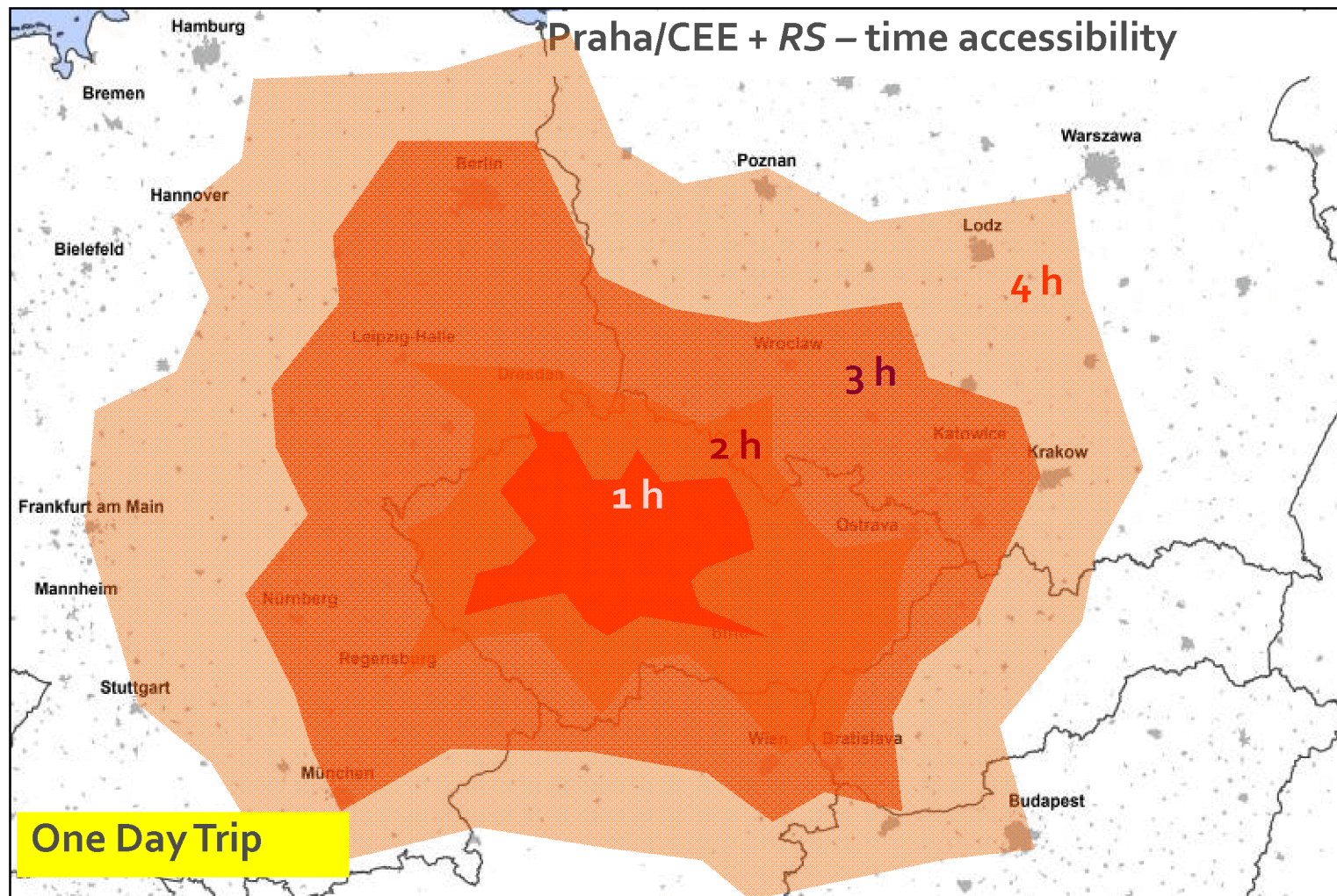






Správa železniční dopravní cesty

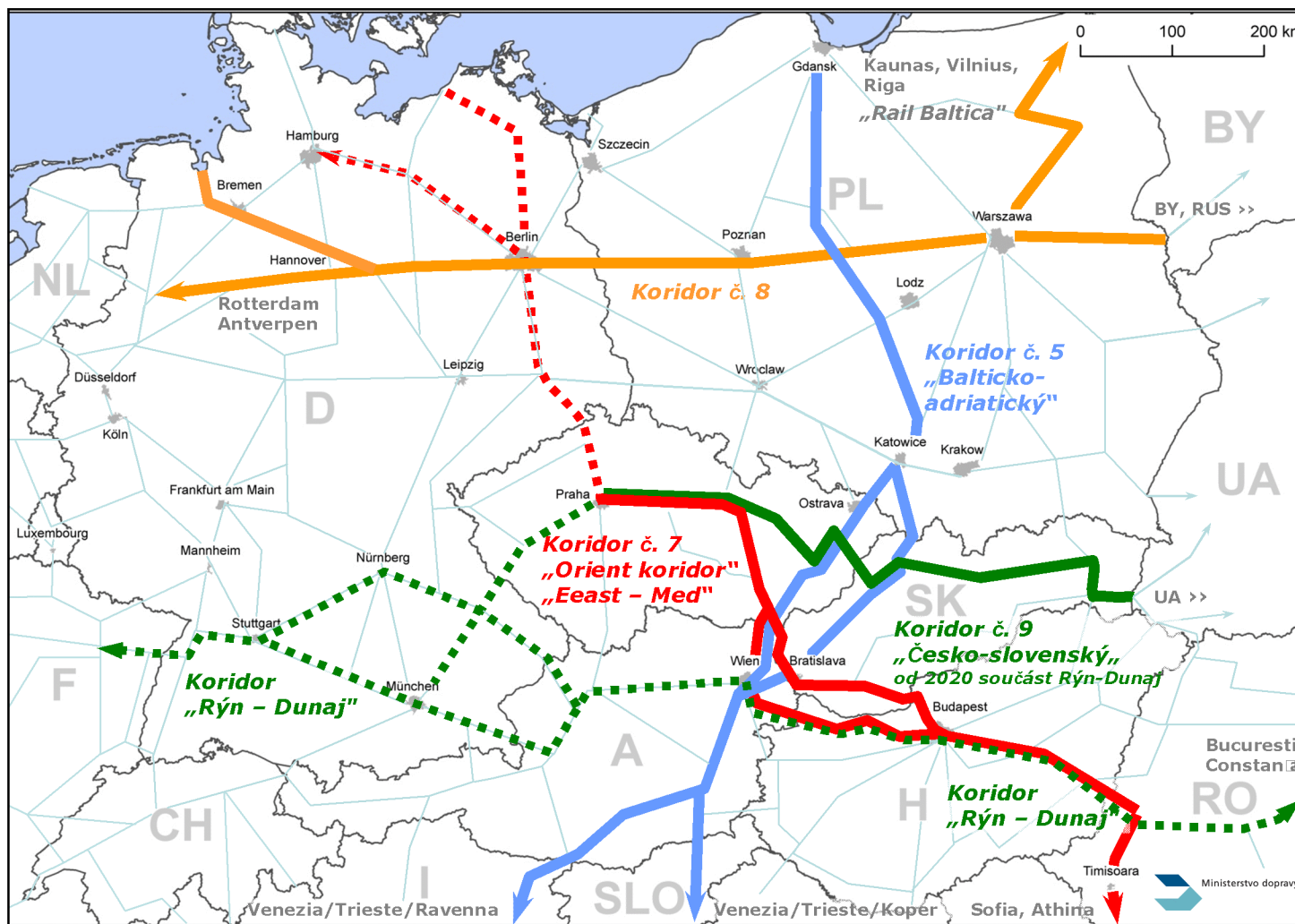
# RS benefits: accessibility





Správa železniční dopravní cesty

# RS benefits: freight capacity





*Správa železniční dopravní cesty*

# Czech Railway infrastructure modernisation

© Railway Infrastructure Administration, state organization

**[www.szdc.cz](http://www.szdc.cz)**