



5G Corridors project fiche – 5G Brno – Bratislava

5G Brno - Bratislava: 5G/FRMCS implementation on the railway corridor



The project in a nutshell

5G Brno – Bratislava is a study carried out by the Czech Republic (Správa železnic) together with the Slovak Republic (Železnice Slovenskej republiky) to address the implementation of 5G and FRMCS communication systems between Brno and Bratislava. The study aims to prepare for connected and automated mobility services taking into account the existing communication environment and requirements for the transport path.

Key facts

Length: 141 km

Corridor: Brno (Czech Republic) - Lanžhot / Kúty - Bratislava (Slovak Republic)

Total EU grant: €300,000

Project duration: 17 months (January 2023 - May 2024)

Transportation mode: Rail

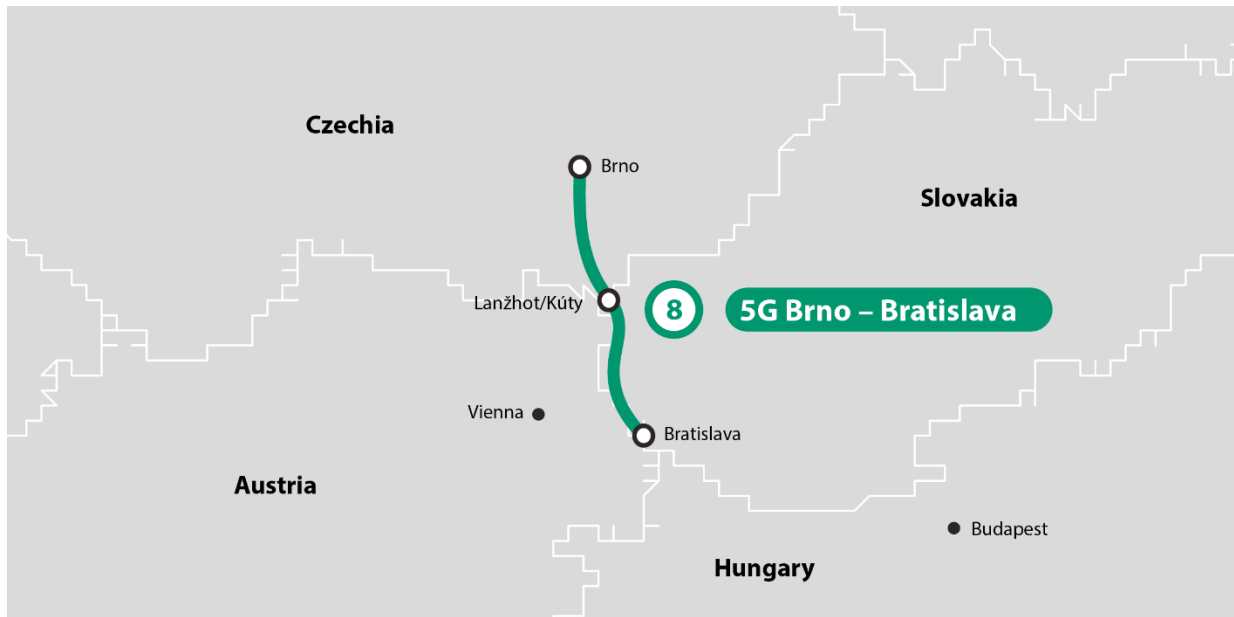
Spectrum bands: 5G (700MHz, 3.4-3.8MHz, ITS 5.9GHz, 26GHz), FRMCS (900MHz, 1900MHz).

Standards: 3GPP Rel-16

QoS: The study will include QoS requirements of 5G CAM systems for network latency and speed, SIM cards, roaming settings during V2X usage scenarios (remote driving, vehicle platooning, advanced driving, extended sensors, etc).

Service / Use cases:

N/A



What will it provide?

The study results will provide an assessment of the current state of 5G coverage and its quality outside the railway corridors.

How will the project unfold?

The project will produce a study which will address the implementation of 5G and FRMCS communication systems and prepare for CAM with respect to the existing communication environment and requirements implemented on the transport path. When proposing the implementation of the study results, it will be necessary to identify and assess the current state of 5G coverage and its quality outside the railway corridors.

How is it financed?

The project is funded by EU/CEF Digital programme.

Total EU Contribution: €300,000

More information

Funding and tender page of the project: [Funding & tenders \(europa.eu\)](https://europe.europa.eu/en/funding-and-tenders)
<https://guide.5gcorridors.eu/wp-content/uploads/2023/10/5g-brno-bratislava.pdf>



About

The ambition of the GUIDE project is to bring together the relevant stakeholders from the ecosystem of 5G Corridors across the European Union (EU) and to help them get the maximum value from the CEF Digital programme, ensuring that future CEF Digital work programmes progressively address the actual needs of the stakeholder communities.

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<https://guide.5gcorridors.eu/>

