

CITA Topic Area E meeting

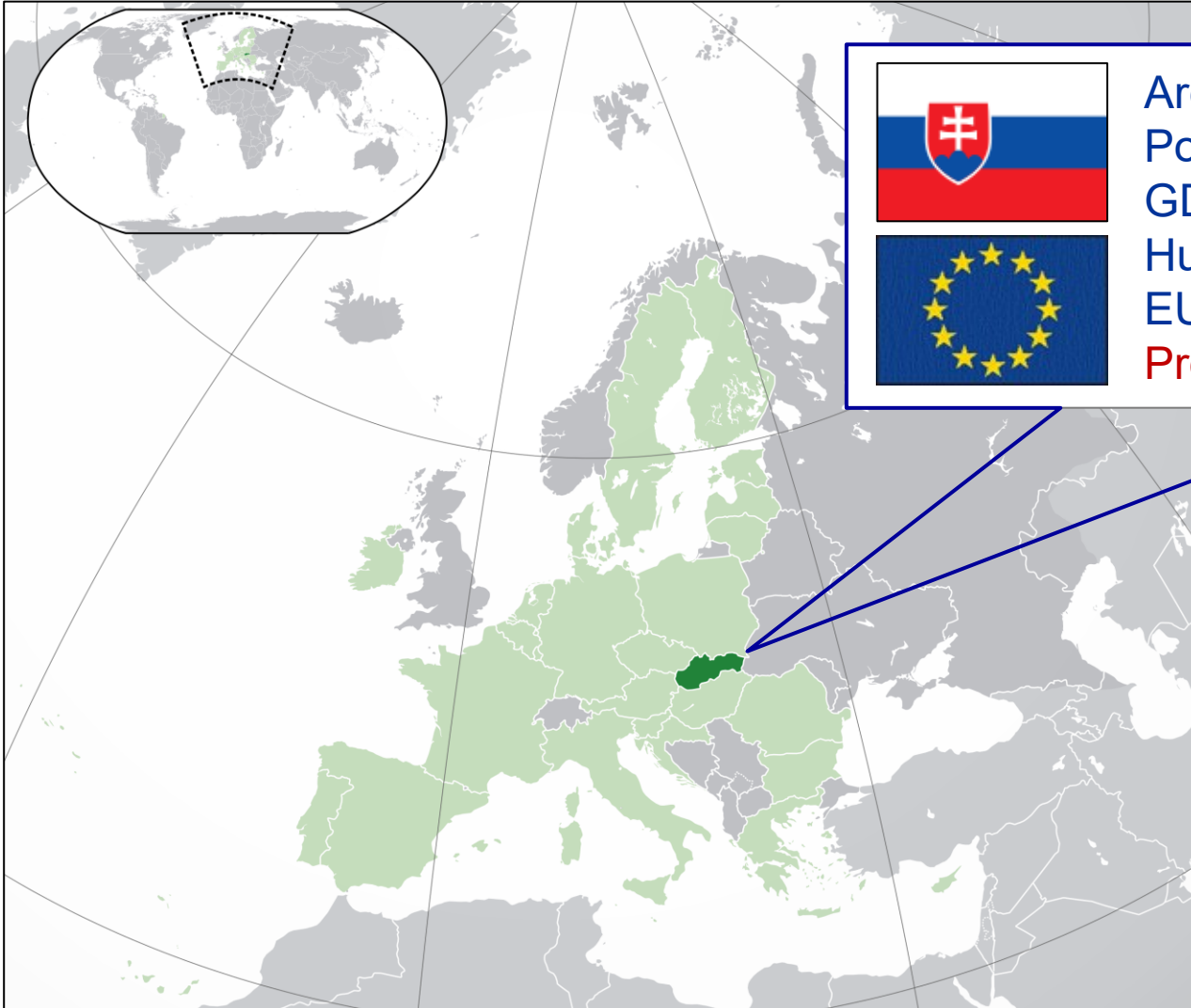
EUROLAB Pristina, Kosovo, 7th and 8th March 2023



TESTEK and its activities related to CITA Topic Area E

Marian Rybiansky, Jaroslav Olexa

Slovakia



Area: 49.035 km²

Population: 5.460.185

GDP per capita: \$38.620 (46th)

Human Development Index: 0.860 (39th)

EU Member State

Produced vehicles per 1000 capita: 184 (1st)

Who we are



Main Vehicle Authority:



MINISTRY
OF TRANSPORT
OF THE SLOVAK REPUBLIC

Technical Service for Technical Inspections of Vehicles:

- *is assisting the Ministry and providing expert support in the field of vehicle periodic technical inspections (PTI)*
- *to avoid the conflict of interests it is not allowed to directly perform the PTI, nor to be related to the entities performing the PTI*
- *is responsible for:*
 - *research and development of new inspection methods*
 - *verification and inspections of workplaces and equipment*
 - *supervision over workplaces*
 - *education, training and exams of inspectors*
 - *inspection data collection, transmission and analyzing...*



TESTEK was founded in 2004 and is acting as

- *Technical Service for Technical Inspections* (accredited by the Ministry of Transport and Construction)
- *Expert Organisation for Road Vehicles* (accredited by the Ministry of Justice)

TESTEK is

- *accredited as ISO/IEC 17020:2012 types A and C Inspection Body*
- *ISO 9001:2015 certified (Quality Management System)*
- *ČSN EN ISO/IEC 27001:2014 certified (Information Security Management System)*
- *ISO 37001:2016 certified (Anti-bribery Management System)*

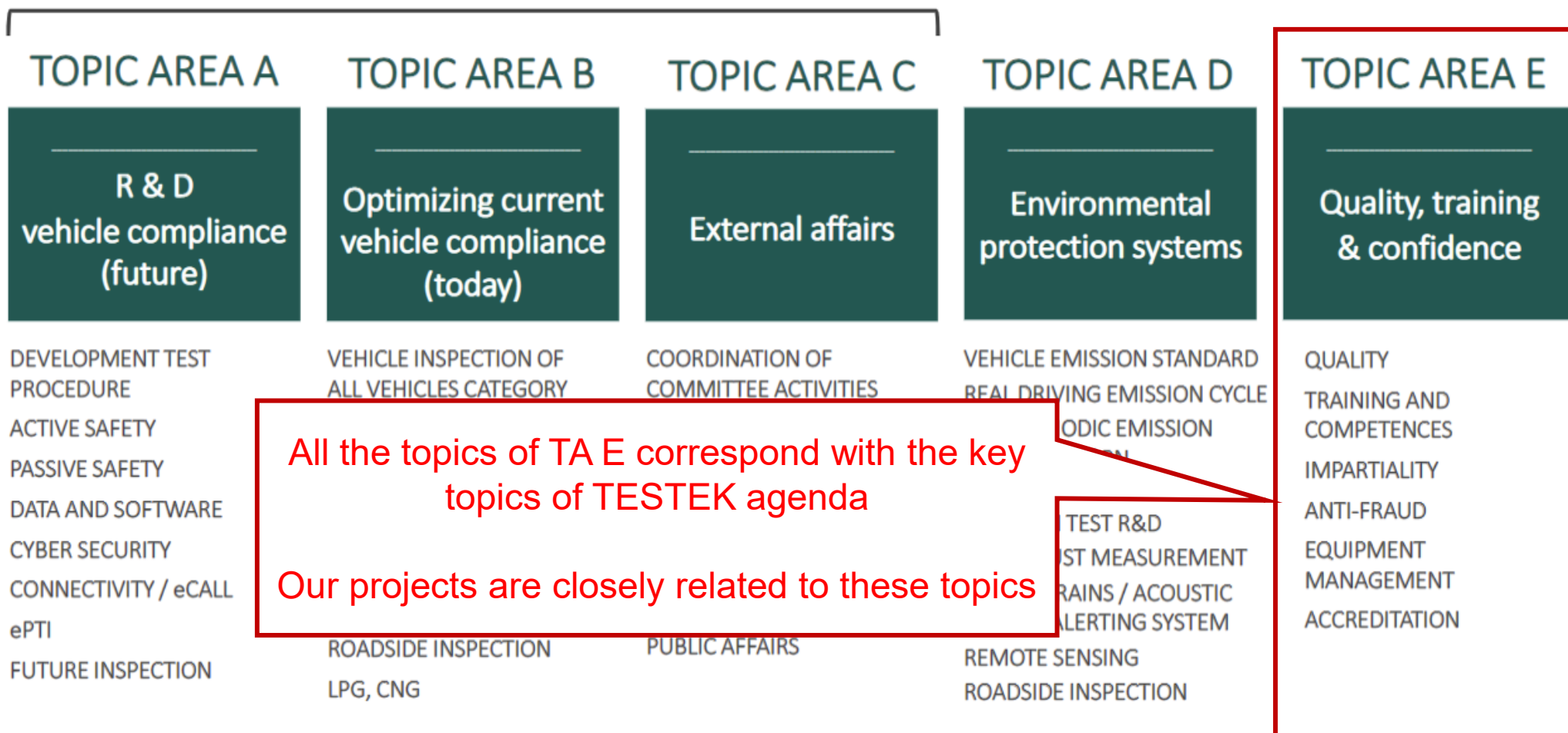
TESTEK is member of

- *International Motor Vehicle Inspection Committee (CITA)*
- *Confederation of Organisations in Road Transport Enforcement (CORTE)*

CITA Topic Area E



NEW



All the topics of TA E correspond with the key topics of TESTEK agenda

Our projects are closely related to these topics

TESTEK and its activities related to CITA Topic Area E

TARGET: collecting of the PTI data and using it to increase the inspection quality and to allow efficient supervision (including anti-fraud measures)

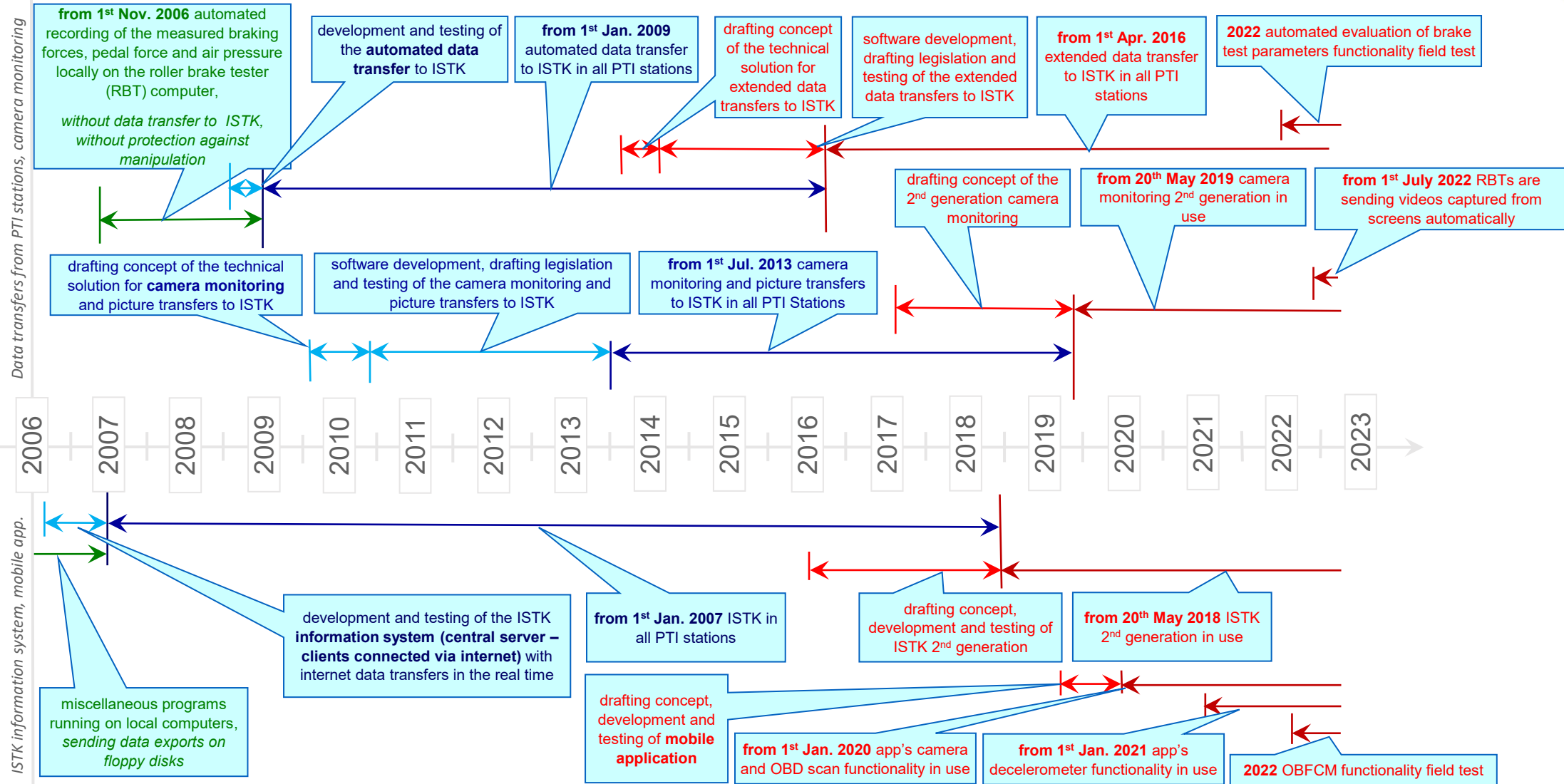
National Automated PTI Information System in Slovakia (ISTK)

- *PTI data collecting via Internet since 2006*
- *Generating of PTI document printouts*
- *Automated „raw“ measurement data transfer from roller brake testers and brake drive test; evaluation and calculation of brake efficiency, brake force imbalance or fluctuation*
- *Pictures and videos from automated camera monitoring*

PTI Mobile Application (for Android and iOS)

- *OBD scan (DTC codes) of the safety relevant systems and photographs of the VIN since 2020*
- *Decelerometer functionality for brake drive test since 2021*
- *OBFCM reading functionality (in field testing)*
- *eCall test procedure (under development)*

Developing IT tools for efficient vehicle technical inspections and supervision since 2006



mSTK - a mobile application for PTI developed by TESTEK

mobile device (phone) with mSTK application running

data storage on the Internet

optional OBD extension cable (for easier plugging into the OBD connector)



ELM 327 (Bluetooth OBD adaptor) worth approx. 10 €



TARGET: to increase the inspection quality thanks to efficient supervision (including anti-fraud measures)

Supervision based on PTI measurement data and videos

- The advance in the PTI IT systems has been used to develop an efficient and cost-effective method of supervision*
- It is based on the PTI measurement data and video analysis, performed by a team of experts*
- Thanks to the method, the rejection rate in Slovak PTIs has been raised from 5,70 % in 2017 to 13,22 % in 2021*

TARGET: to increase the education quality and impartiality of the examination

Automated System for Inspector Training and Exams

- To minimise the influence of the human factor in evaluation of the PTI inspector tests (as part of the initial and periodic inspector exams), we have introduced IT system already in 2010*
- In 2021 we have developed the 2nd generation – a web based universal system which can be used not only for exams, but for the e-learning purposes as well*

Projects: Certification and Accreditation



TARGET: to increase the quality and impartiality of the inspections by TESTEK and PTI in general

TESTEK is

- *accredited as ISO/IEC 17020:2012 types A and C Inspection Body*
- *ISO 9001:2015 certified (Quality Management System)*
- *ČSN EN ISO/IEC 27001:2014 certified (Information Security Management System)*
- *ISO 37001:2016 certified (Anti-bribery Management System)*

From 2018 all PTI centers in Slovakia

- *are ISO 37001 certified (Anti-bribery Management System)*
- *shall have Quality Management System introduced (not certified or ISO 9001 certified or ISO 17020 accredited)*

Thank you for your attention

For further questions, don't hesitate to contact us:

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