TESTEK, a.s.

Authorized Technical Service for Technical Inspections of Vehicles

PTI Information System in the Slovak Republic

(June 2016)

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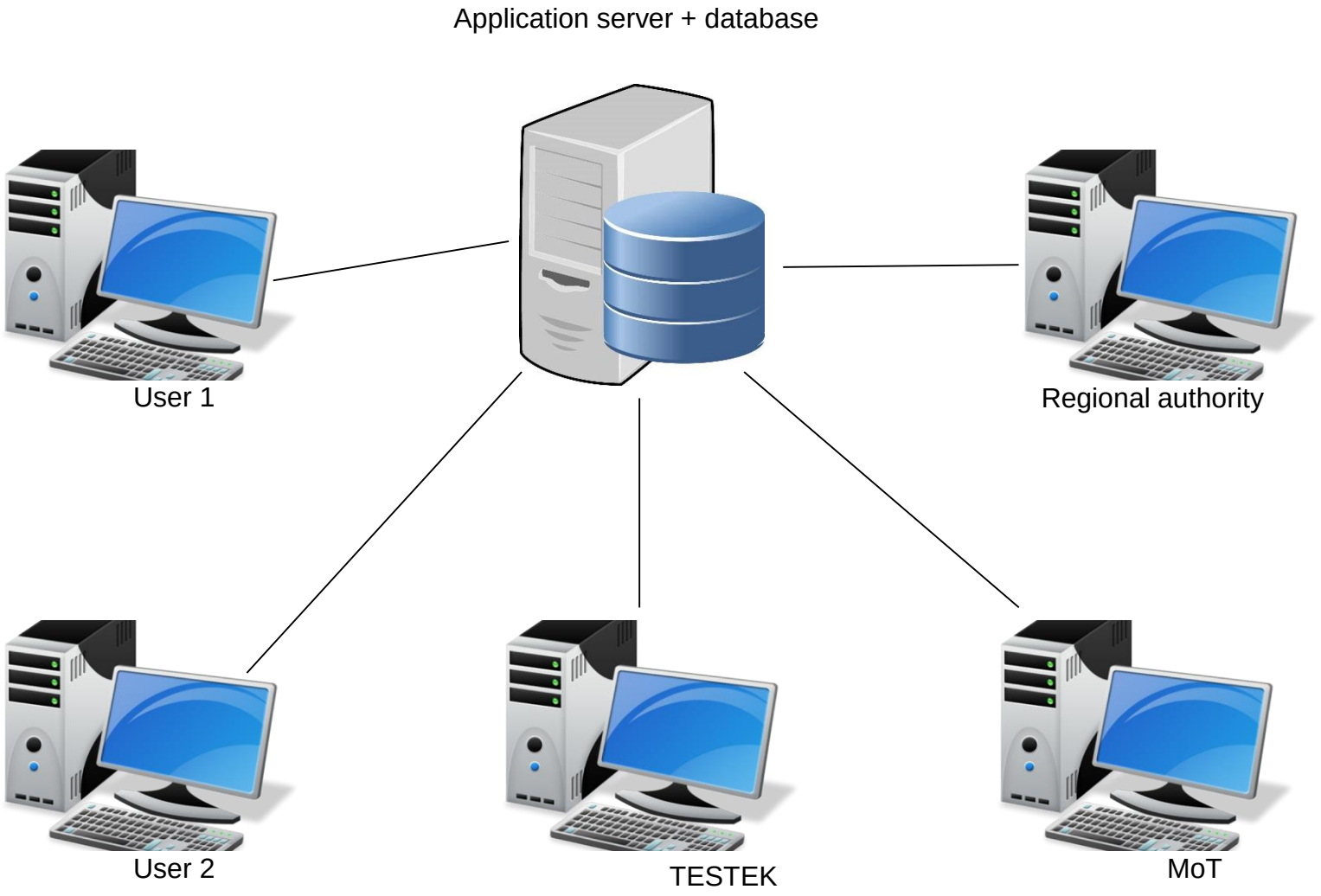
Vehicle inspection information system

- Data of all vehicle technical inspections performed in Slovakia are stored in an extensive database accessible through the World Wide Web
- It is part of the central vehicle inspection information system, a modern web client - server application
- The system’s database is always in up-to-date state, because data are inserted at the same time as the inspection is performed
- State authorities can therefore easily supervise inspectors’ work in real-time regime and use the stored data for enforcement of vehicle inspections regulations

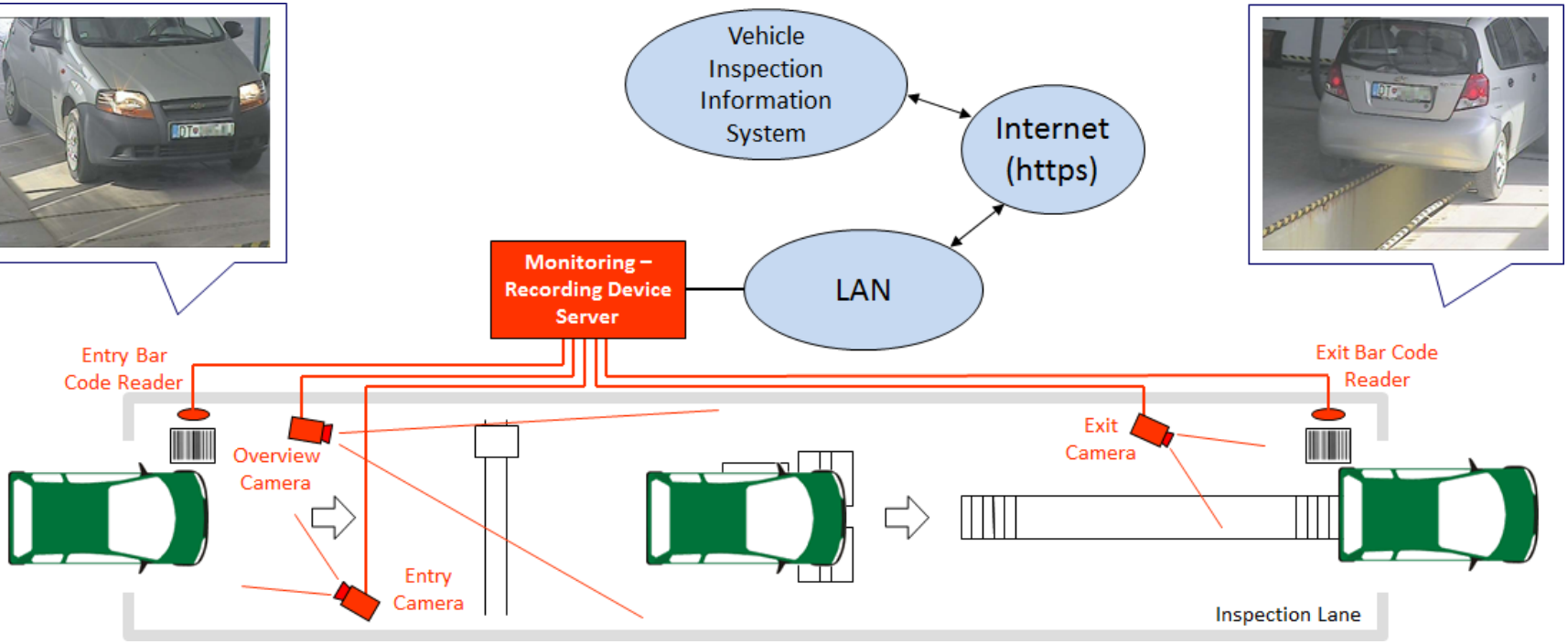
History

- TESTEK started the development of the information system for technical inspections in January 2006 in co-operation with the software company DATALOCK (today Asseco Solutions)
- Few months later, with the system's extension for emission checks, S-EKA joined the partnership
- Since the beginning of 2007, the system is used by all vehicle inspection stations over the country
- Today the system has 1.568 (775 ispectors) active users and stores 10.444.200 records

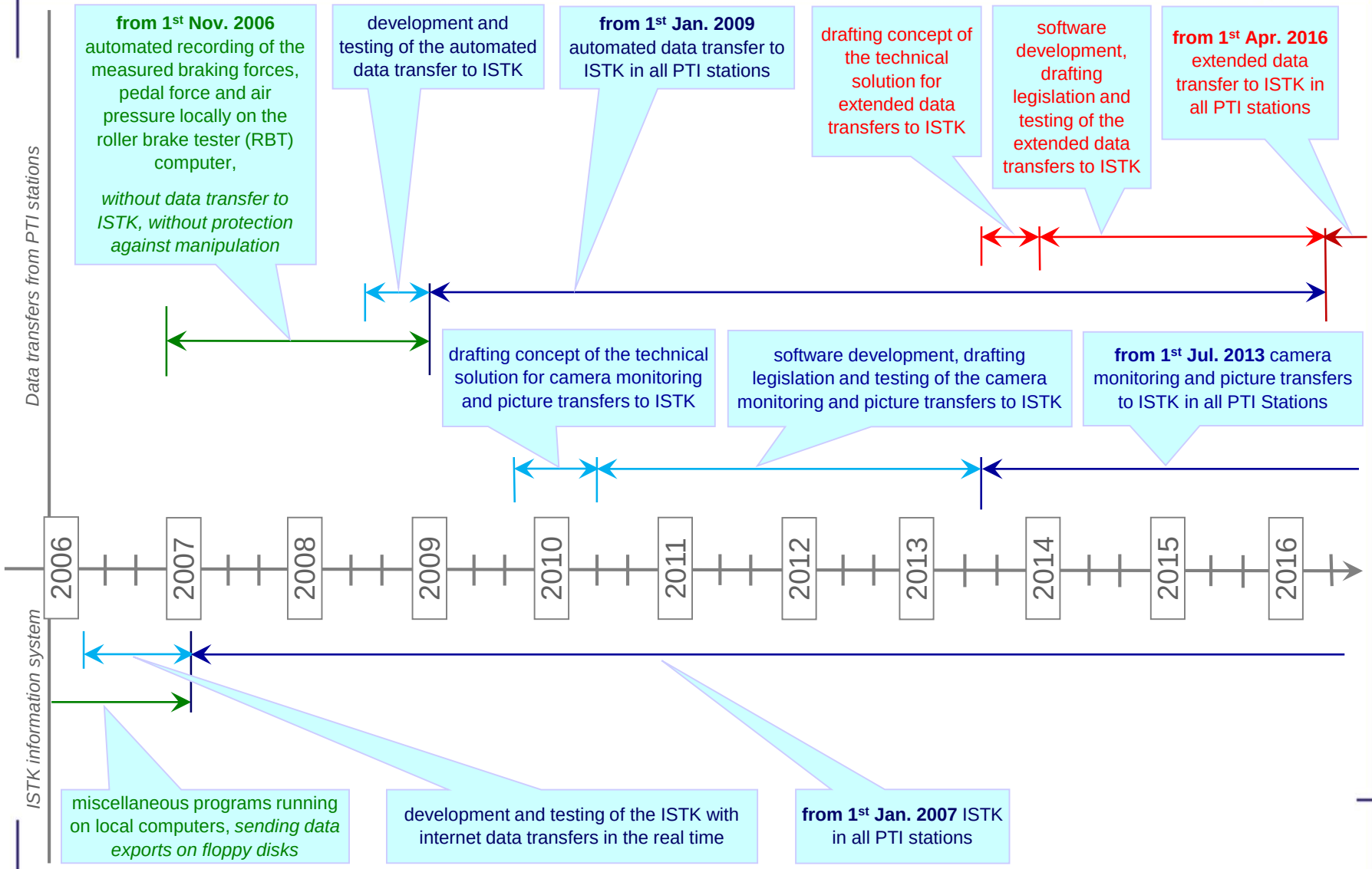
Structure


Application server + database
User 1
Regional authority
User 2
TESTEK
MoT

Automated vehicle inspection monitoring



The Slovak PTI information system ISTK: 10 years of technical innovations



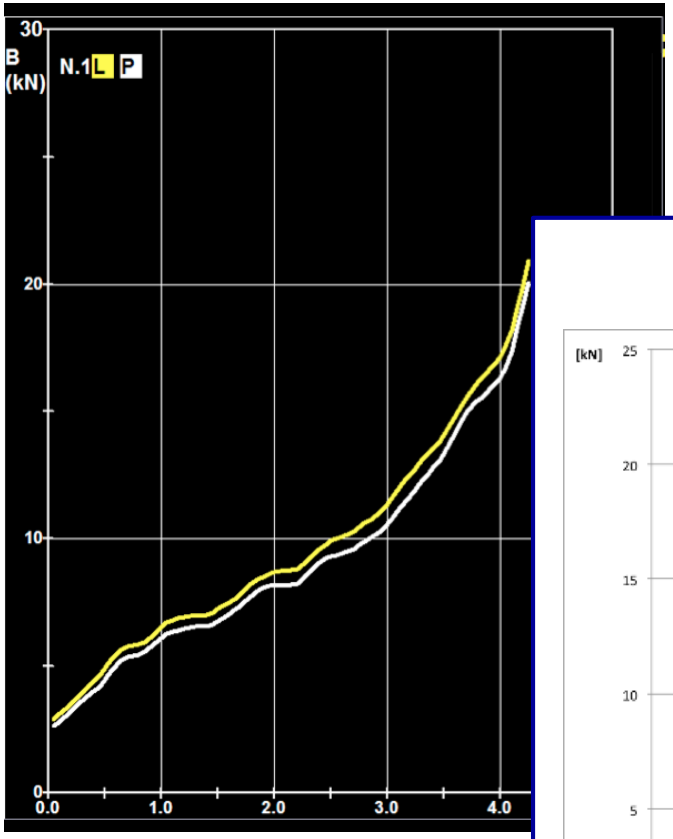
Communication with roller brake testers until 31st March 2016

Application server + database

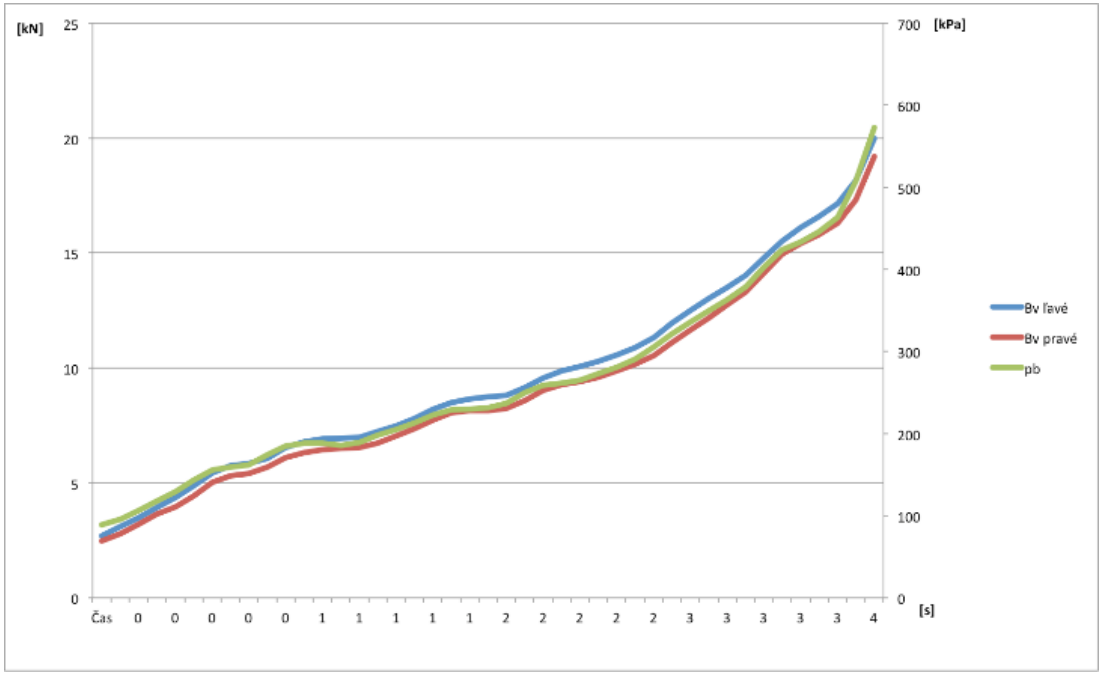
Brzdné sily a účinok bŕzd			
1 B_v	L: 10.92	R: 9.19	kN
1 p_o	380	984	kPa
1 B_p	L:	R:	kN
2 B_v	L: 10.16	R: 10.29	kN
2 p_o	414	944	kPa
2 B_p	L: 11.7	R: 8.45	kN
f_o			N

Comparison of the graph displayed by RBT and transferred data

Brake test: RBT mfd. by Roboterm



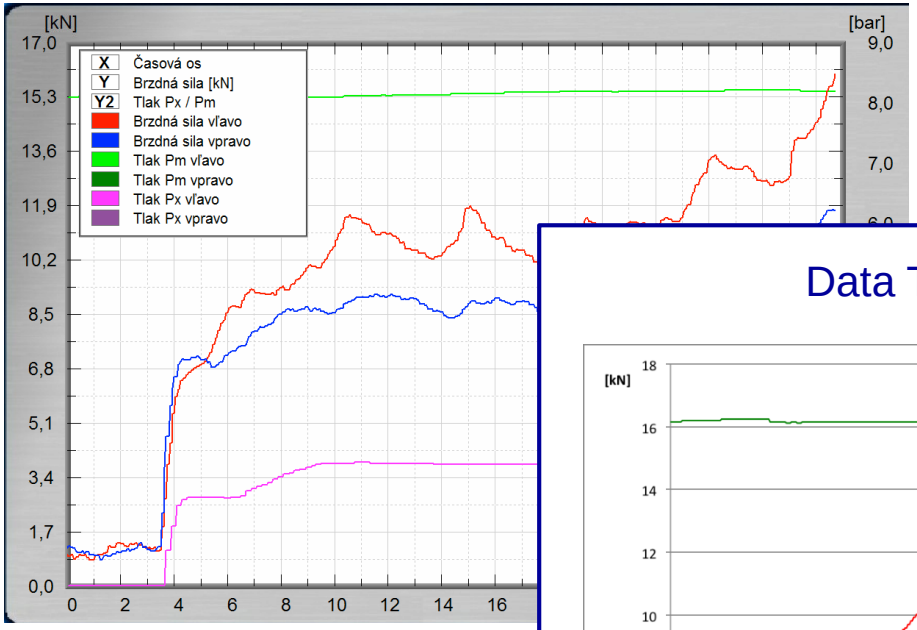
Data Transferred to ISTK system



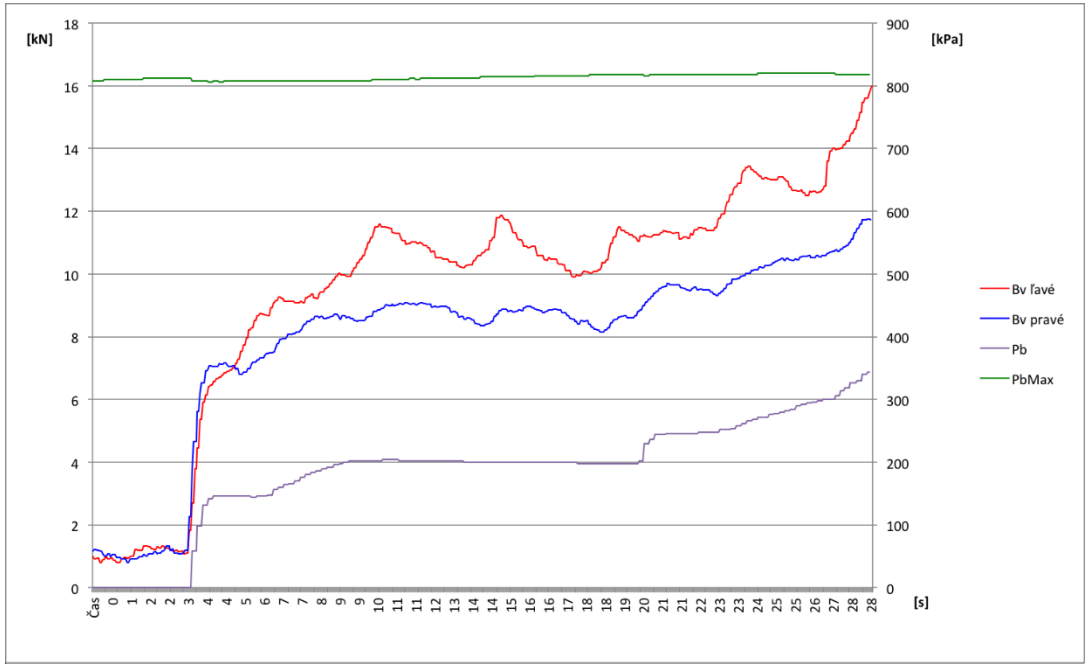
PTI Information System in the Slovak Republic

Comparison of the graph displayed by RBT and transferred data

Brake test: RBT mfd. by MAHA



Data Transferred to ISTK system

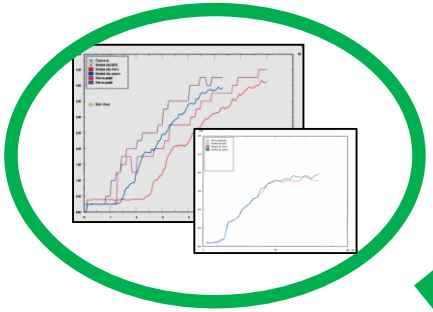


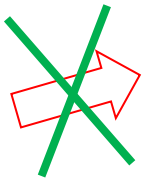
PTI Information System in the Slovak Republic

Final stage of the new extended data transfer

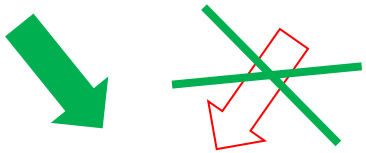
Roller brake tester (RBT)

Extended set of transferred values

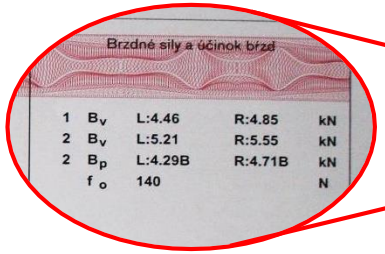


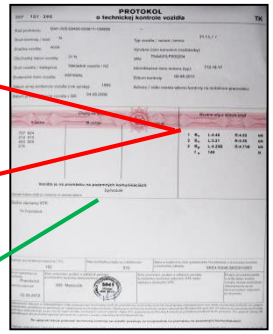


Brake test evaluation will not be done by ISTK user



PTI report





Roadworthy

ISTK server

Integrated algorithm for calculation and evaluation of brake test

Currently under preparation

Contact information