



Roadside inspections Lower Austria

Workshop “Periodic Technical Inspection
and Roadside Technical Inspection”
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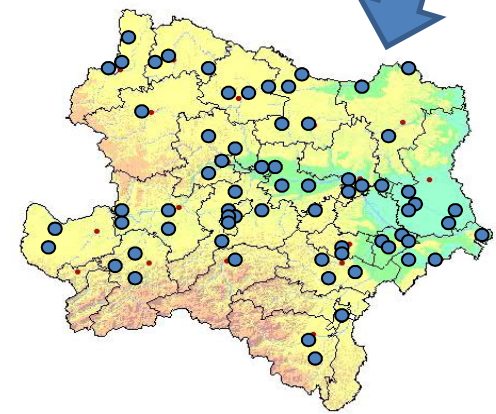
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Location

Austria: 8,9 million inhabitants
8,1 million registered vehicles



● Approx. 70 locations for frequent roadside inspections all over Lower Austria



Technical roadside inspections

Basis: Directive 2014/47/EU

Implemented in national law: „Kraftfahrgesetz 1967“ and corresponding national regulations

Approach:

- Vehicle stopped by police - initial inspection
- More detailed inspection by inspector from the regional government or the Motorway and Expressway Financing Joint-Stock Company (ASFINAG)
- Inspector creates EU-inspection report and national test-report by internet application
- Test report delivered to national database (ZBD)
- Austrian registered vehicle – in case of defects not corresponding with PTI-report → quality check of PTI station
- Reporting to the EU-Commission from ZBD-Database
- Member states get information about vehicles with detected major or dangerous defects





Technical roadside inspections

Test equipment [Video](#)

- Two articulated road trains (tractor + semitrailer)
- One drawbar trailer (without brake test equipment)
- One van especially for testing motorcycles
- Three test sites at the highway with automatic overhead traffic sign systems and indoor test-lane (highway A1 near Haag, highway A4 near Bruck/Leitha, highway A5 near Schrick) one additional is planned
- Six vehicle testing stations with eight test lanes

Minimum criteria for operating mobile unit

- Paved surface, length approx. 30 m, width approx. 15 - 20 m, access and exit possibility for heavy goods vehicles
- Parking space especially for vehicles with dangerous defects (revocation of license plates, further use forbidden)

Staff assignment

- Three persons (technical inspector, assistant technical inspector, secretary)

Mobile test unit I



Test equipment:

- Roller brake tester
- Axle play detector
- Scales
- Diesel emission tester
- Lighting for night missions

Energy self-sufficient
Rigging time: 10 minutes
Investment: 500.000 €



Mobile test
unit II





Drawbar trailer

- Axle play detector
- Scales
- Diesel emission tester



Van

- Noise test equipment
- Emission tester



Mobile chemistry lab

Analysis of dangerous goods

Staff assignment

Additional special trained chemist



Gas-phase chromatograph



X-ray fluorescence analysis



Highway test site

A5 Schrick





Highway test site

A5 Schrick

- Variable traffic selection system
- „Truck Checker“ gauged weighing system in motion ≤ 25 km/h
- Automatic measuring system for width, height and length
- Indoor test lane for technical inspection





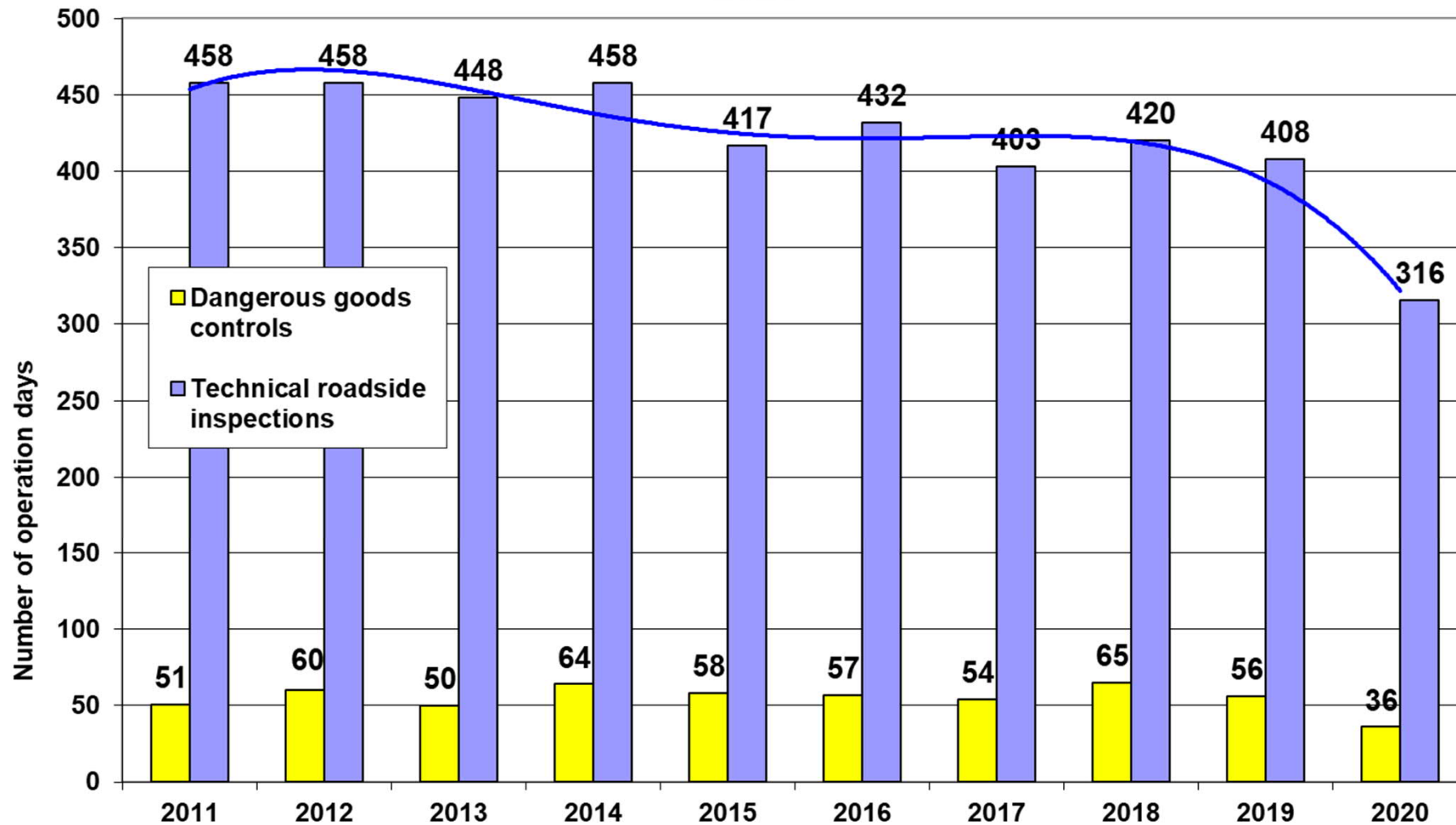
Special missions:

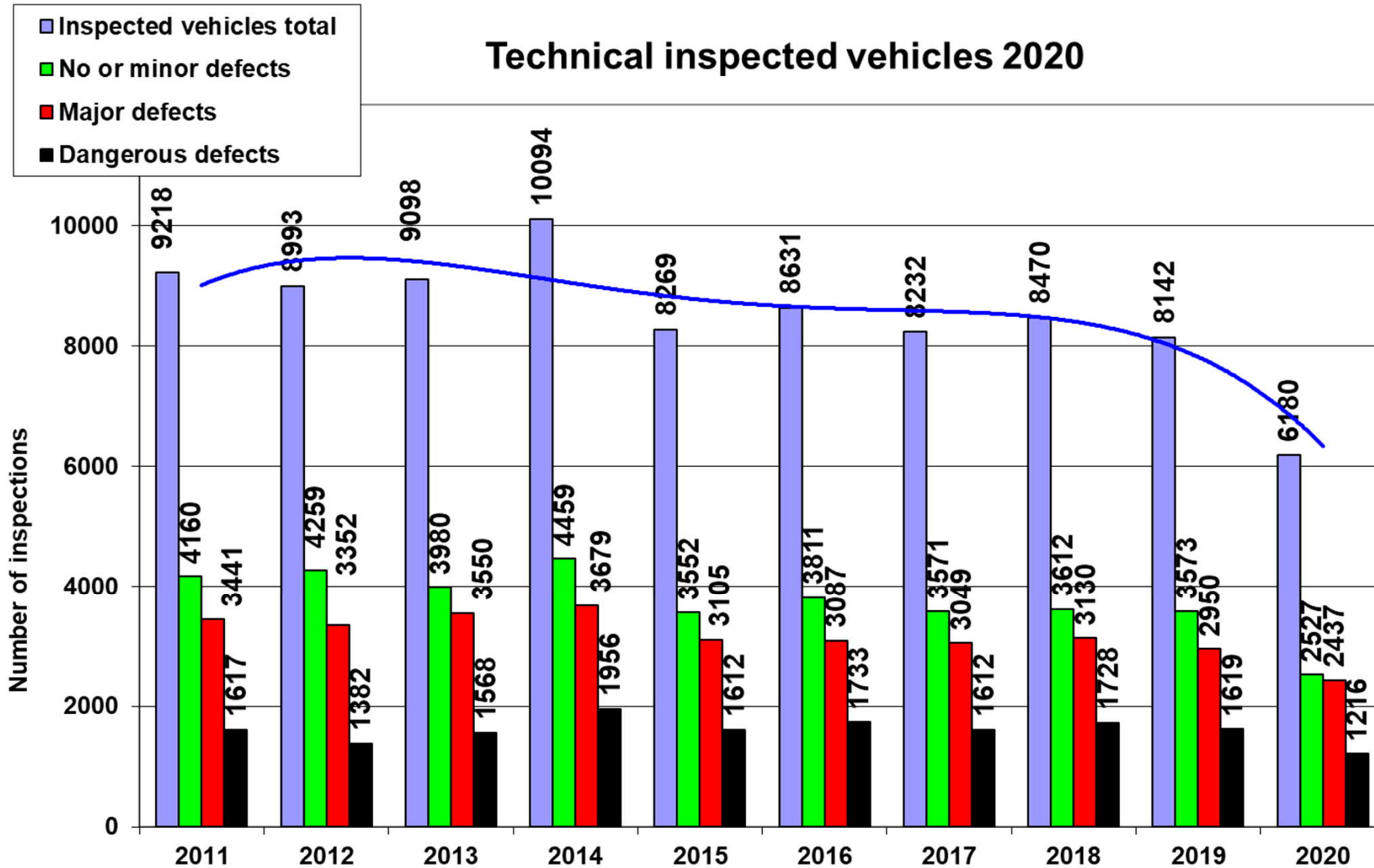
- Motorcycles – focus on noise emission and modifications
- „Roadrunner“ – vehicles modified for illegal road races
- Agricultural vehicles
- Ad-Blue – focus on tampering of emission control system





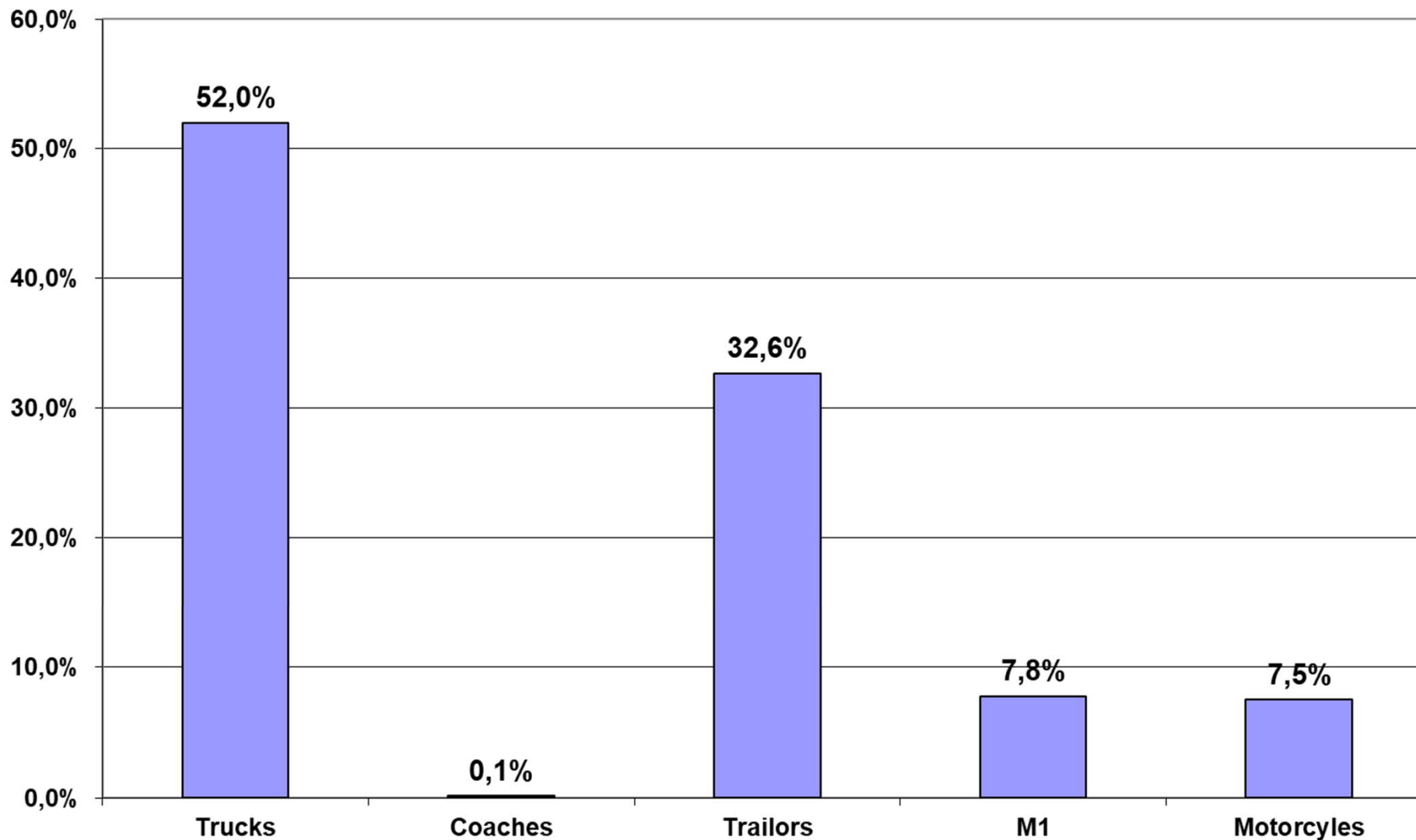
Operation days of roadside inspections and dangerous goods 2020







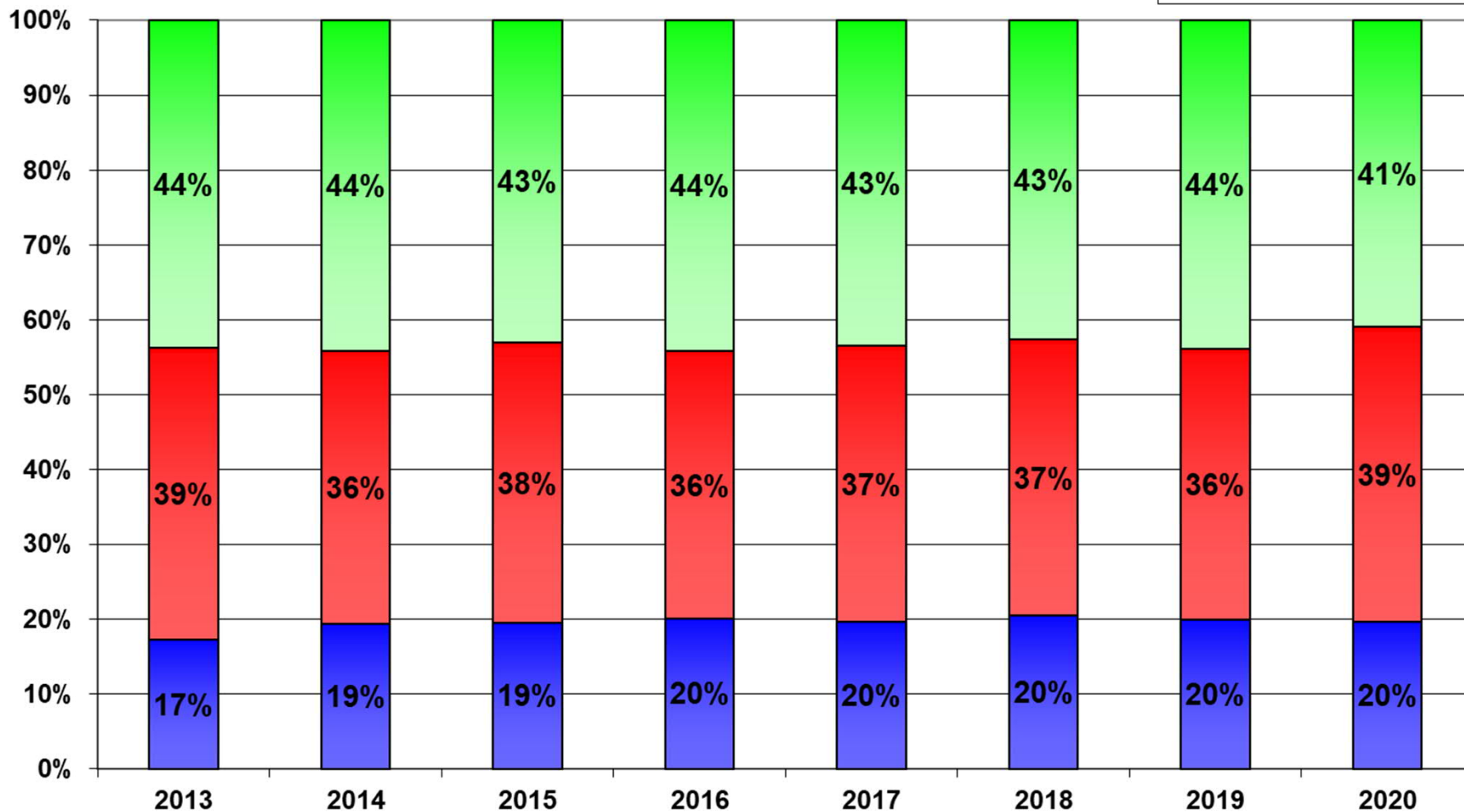
Distribution of vehicle types tested 2020





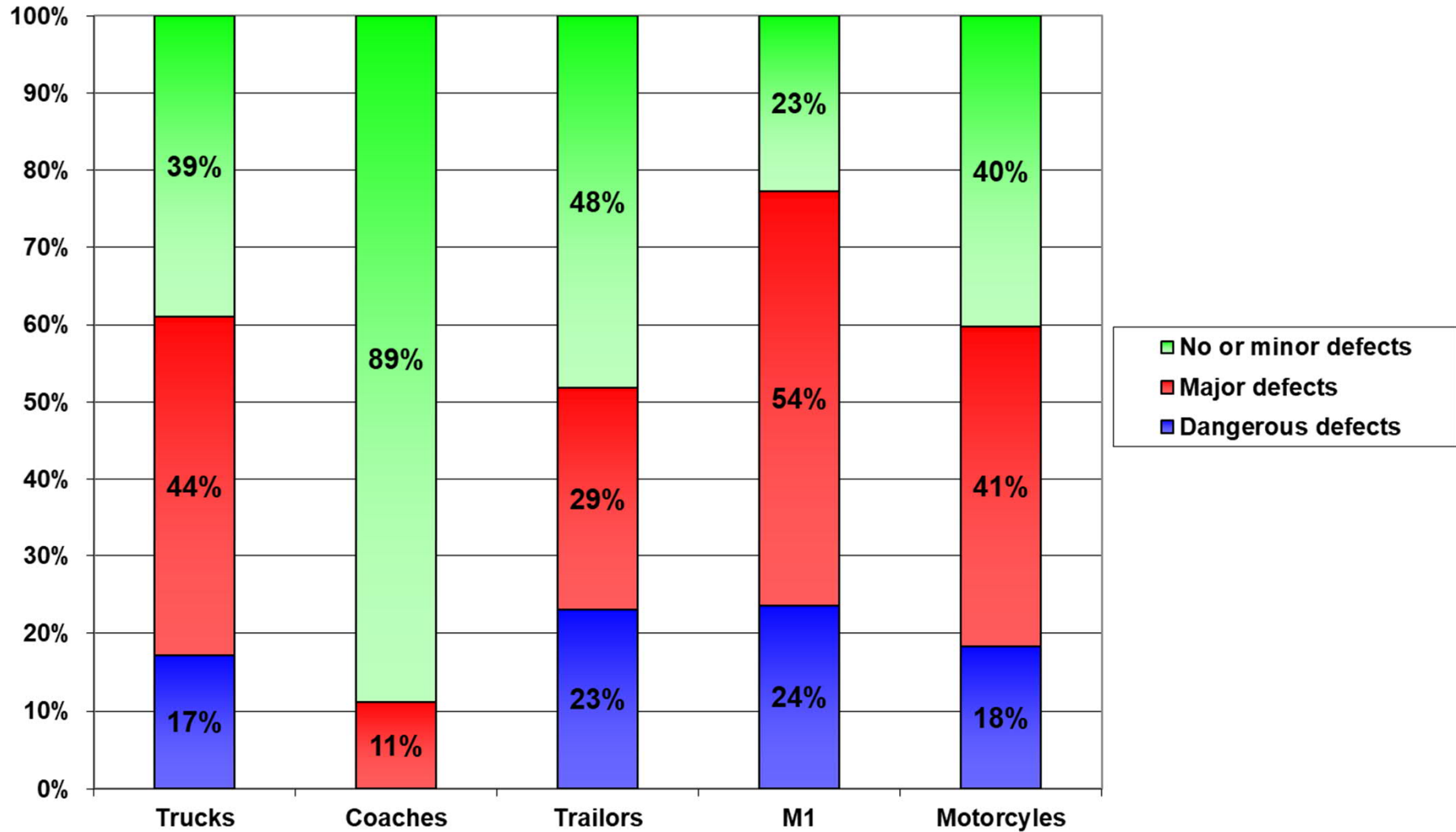
Distribution of test results vehicle roadside inspection

- No or minor defects
- Major defects
- Dangerous defects



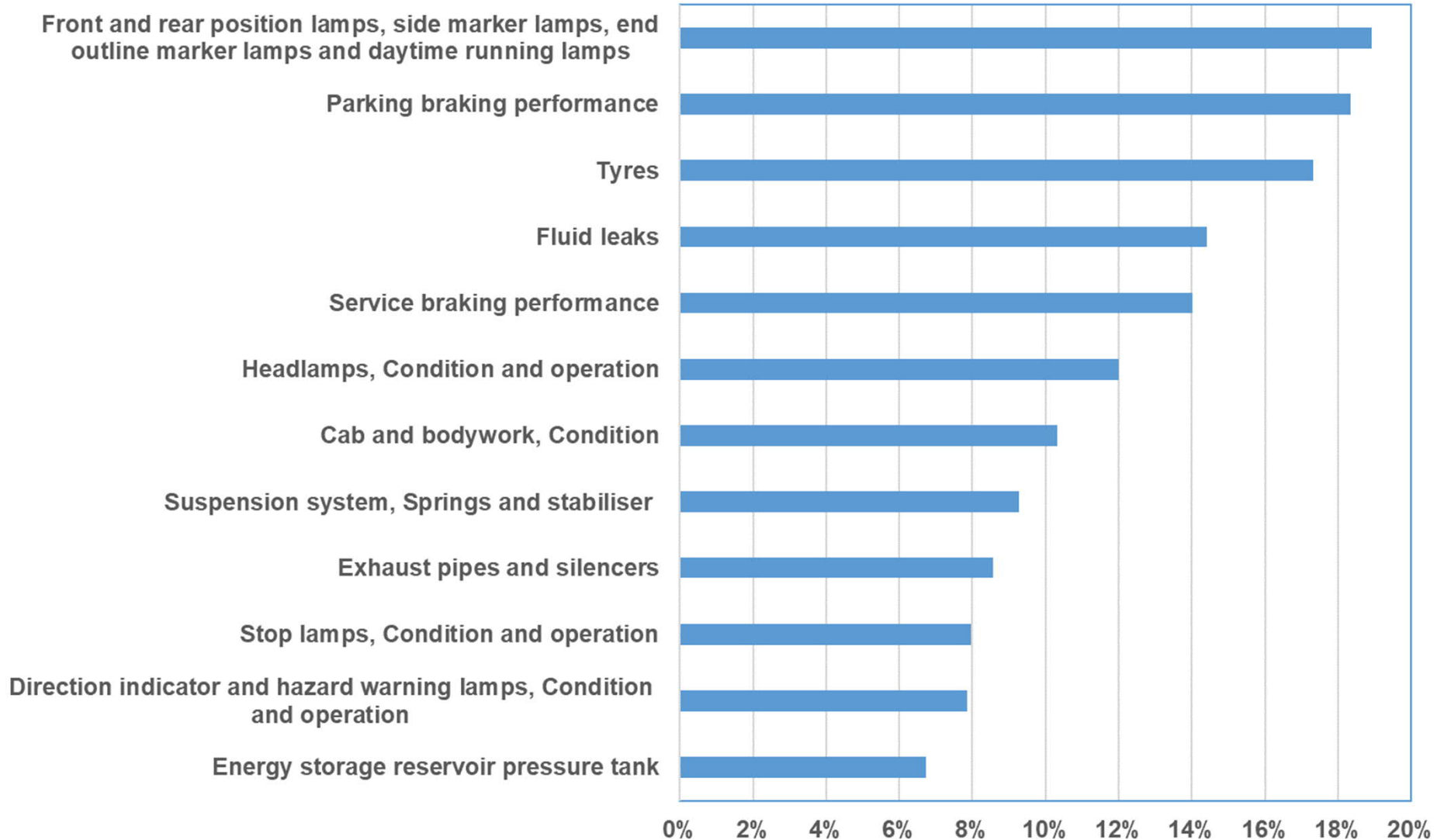


Distribution of test results depending on class of vehicle 2020





Most common identified defects



Examples of detected defects:

„Ventilated“ disk brake – front axel



Examples of detected defects:

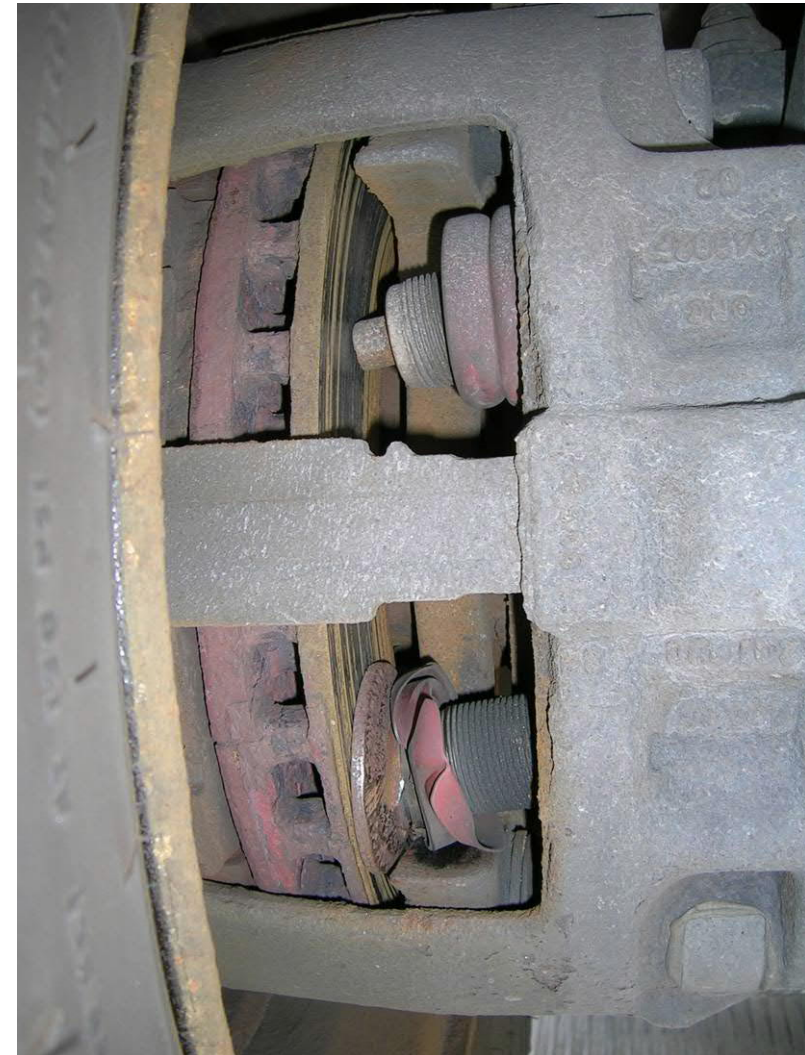
Wheel spacers – home made style



Examples of detected defects:

Missing brake pad 

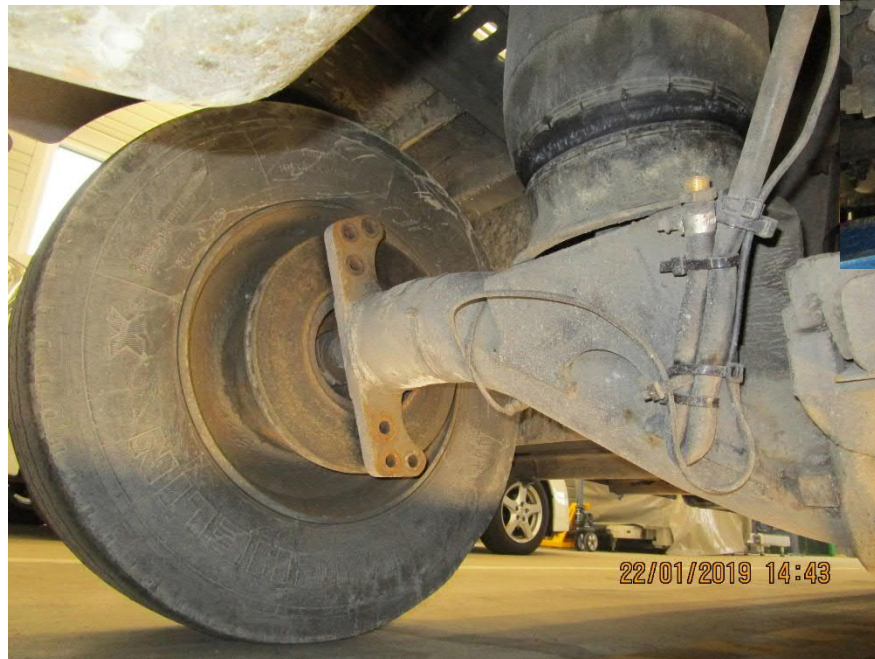
Broken brake disc 



Examples of detected defects:

“runflat” tire – driver doesn't know →

Missing brake caliper ↓



Examples of detected defects:

Rusted brake cylinder – front axle 

Broken brake cylinder – fixed only by
plastic air pressure pipes





Thank you for your attention

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