



Czech

Add value.
Inspire trust.

Electronics

Electromagnetic compatibility (EMC)

Lighting equipment

Electronic accessories (systems)

TÜV SÜD

is a world-renowned company in the areas of testing, inspection, certification, type approval, and training in all sectors of industry and services. As an independent approval and testing organization we have been active in the automotive industry for more than a hundred years. Using our experience, we bring top-level innovative solutions.

Lighting Equipment

- **Approval tests** and assessment of installations of lighting and light-signaling devices for vehicles, measuring of assembly dimensions and visibility angles (ECE R 48, R 53, R 74, R 86, ECE 76/756, 91/663, 97/28, 97/24 Chap. 2, identification of controls and indicators ECE R 121, ECE 78/316 * 93/21 etc.)
- **Approval testing of lighting equipment** pursuant to ECE regulations and respective EEC directives through supervision of manufacturer's devices
- **Approval tests of electrical accessories** of vehicles pursuant to ADR (transport of hazardous goods)

- **Analysis of configuration of vehicle electrical circuits** according to the Decree of the Ministry of Transport of the Czech Republic No. 341/2002

Electromagnetic Compatibility (EMC)

- **Approval tests** in terms of electromagnetic compatibility of vehicles and equipment pursuant to ECE 10, 72/245/EEC*2009/19/ EC, 97/24 Chap. 8 and respective ISO standards, similar tests according to national legislation - Decree of the Ministry of Transport No. 341/2002, ČSN EN ISO 14 982 - agricultural machines, ISO 13766 - machinery for earthworks
- **Pulse resistance tests of electronic devices** according to ISO 7637 and Czech standard ČSN 30 4011
- **Measuring of interference terminal voltage** emitted in the vehicle's electrical network
- **Measuring of electromagnetic interference of an antenna** and on an artificial network according to CISPR 12 and CISPR 25 and derived standards
- **Testing of electromagnetic immunity** through BCI and antenna method

- **Specific manufacturer standards such as VW TL 965**
- **Test of static discharge resistance according to ISO 10605, EN 61000-4-2 and similar regulations**

Electronic Accessories (systems)

- **Testing of electrical and electronic equipment of motor vehicles according to VW (TL) and DIN standards (electrical, climate, vibration, and mechanical testing)**
- **Development testing of electronic equipment for Škoda Auto a.s.**
- **Organization and arrangement of various tests in external laboratories, comprehensive reports**
- **Approval testing of speed limiters according to ECE R 89, EC 92/06 and 92/24**
- **Approval testing of vehicle alarm systems (VAS) and immobilisers according to ECE R 97 and R 116, EEC 95/56**
- **Tests and reports on electronic equipment of vehicles according to national legislation**

Your Business Benefits

- One-stop-shop for technical solutions (from testing, certification and technical processing to type approval)
- Tailor-made services driven by customer satisfaction
- Technical expertise, quality and safety
- Worldwide support through a network of specialized centers
- The advantage of costs in Central and Eastern Europe

