

ITS Certification in Czech Republic

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Proper placing of products on EU market



Proper placing of products on EU market

„**Common Market**“ = elimination of all import and export duties existing between Member States

⇒ placing the product on market of one member state means placing the product on common market => placing the product on all states markets



Technical Requirements for Products

EU commission by EU directives establishing technical requirements relating to products which are likely to pose a higher degree of danger to public health and/or safety, property or environment (“justified concern“)

EU Directives

Selected EU directives for ITS products:

Regulation (EU) No 305/2011 - Construction products (CPD/CPR)

- EN 12352:2006 Traffic control equipment - Warning and safety light devices
- EN 12368:2006 Traffic control equipment - Signal heads
- EN 12966-1:2005+A1:2009 Road vertical signs
Variable message traffic signs - Part 1: Product standard
- EN 12899-2:2007 Fixed, vertical road traffic signs
Part 2: Transilluminated traffic bollards (TTB)



EU Directives

Selected EU directives for ITS products:

Directive No 2006/95/EC – Low voltage directive (LVD)



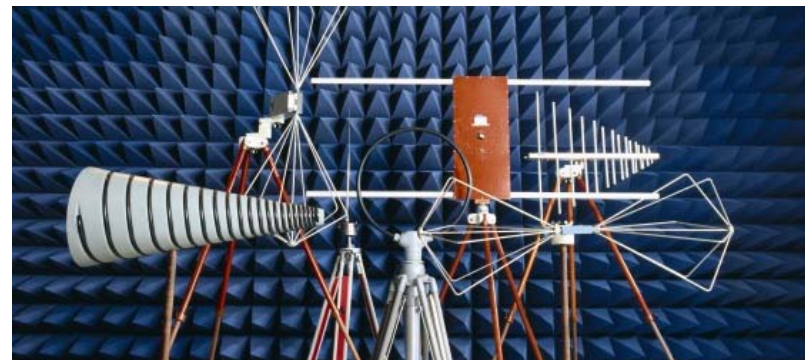
Electrical equipment with a voltage between 50 and 1000 V for alternating current and between 75 and 1500 V for direct current

EU Directives

Selected EU directives for ITS products:

Directive No 2004/108/EC – Electromagnetic Compatibility (EMC)

Limits electromagnetic emissions of equipment in order to ensure that, when used as intended, such equipment does not disturb radio and telecommunication as well as other equipment. The Directive also governs the immunity of such equipment to interference and seeks to ensure that this equipment is not disturbed by radio emissions when used as intended.



EU Directives

Selected EU directives for ITS products:

Directive No 1995/5/EC - Radio equipment and Telecommunications Terminal Equipment (RTTE)

For all radio equipment and all equipment intended to be connected to public telecommunications networks

Directive No 2006/11/EU - Restriction of the use of certain hazardous substances (RoHS)

Restriction of use for Lead (Pb): < 1000 ppm, Mercury (Hg): < 100 ppm
Cadmium (Cd): < 100 ppm, Hexavalent Chromium: (Cr VI) < 1000 ppm,
Polybrominated Biphenyls (PBB): < 1000 ppm, Polybrominated Diphenyl Ethers (PBDE): < 1000 ppm

CE, Conformity Declaration and Certification

All products must be in conformity with demands of relevant directives.

Manufacturer or importer is obliged to issue **Conformity Declaration** and mark his product by **CE marking**.



Most directives doesn't require independent third party assessment or certification.

However, lot of buyers require third party assessment by notified bodies.

CE, Conformity Declaration and Certification

Conformity assessment is usually done by testing according to the relevant harmonized standards.

Result is test report, which can be used as foundation for issuing Conformity Declaration.

Independent testing can be finished by issuing **third party certificate** – not only fulfilling demands of legislation but also **customers needs**.



Certification for Republic of Korea

Due to the close relationship between EZÚ and Korea Testing Certification company (KTC) clients of EZÚ can obtain KTC certificates allowing them to enter the Korean market. KTC certificates are issued upon the request of EZÚ. Clients must have CB certificates issued by EZÚ. Acceptance of EZÚ certificates significantly reduces cost and time of testing and certification.

The nature of the contract also allows Korean manufacturers easily obtain EZÚ certificates.



EZÚ = 89 years of experience with testing and certification

- 1919 – founded as a Czechoslovakian Electrotechnical Union
- 1926 – founding of testing laboratories
- 1935 – first issuing of ESC mark



- State owned company
- Owned by Czech Ministry of Industry and Trade
- 96 employees
- Over than 6000 business cases from more than 1400 customers per year

Testing and certification of products

- **Testing**
(Accredited testing laboratory no. 1056 according to ISO/IEC 17025)
- **Metrology and calibration**
(Accredited calibration laboratory no. 2294 according to ISO/IEC 17025)
- **Conformity assessment**
(Notified body no.1014, Authorized body no. 201)
- **Inspections**
(Accredited inspection body EZÚ no. 4037 according to ISO/IEC 17020)
- **Products certification**
(Accredited certification body COV no. 3018 according to EN 45011)

Quality management systems

- Quality management
EN ISO 9001 (QMS),
- Quality management for medical devices
EN ISO 13485,
- Environment management
EN ISO 14001 (EMS),
- Health and safety in the workplace management
OHSAS 18001 (SM BOZP),
- Information security management (information systems)
ISO/IEC 27001 (ISMS),
- IT services management (ITSM)
ISO/IEC 20000-1

EZÚ – complex solution of customer's needs

- TESTING OF MATERIALS AND PRODUCTS SAFETY, IP CODE
- TESTING OF MECHANICAL ASPECTS
- TESTING OF ELECTRICAL ASPECTS
- TESTING OF EMC a EMF
- MEASUREMENT OF NOISE AND VIBRATIONS
- TESTING OF PRODUCTS AGAINST ENVIROMENTAL ASPECTS
- TESTING OF HYGIENIC ASPECTS
- TESTING OF RESISTANCE AGAINST HEAT A FLAME
- TESTING OF GAMING MACHINES
- VERIFICATION OF LIGHT SOURCES

Thank you!

