

GOVERNMENTAL ORDER

No 432/2010 Coll.

of December 22, 2010

on the Criteria for the Identification of a Critical Infrastructure Element

The government orders according to Section 40, paragraph 1 of Act No 240/2000 Coll., on Crisis Management and on the Amendment of Certain Acts (the Crisis Act) as amended by Act No 320/2002 Coll. and Act No 430/2010 Coll. (hereinafter as "the Act") for the execution of Section 4, paragraph 1 d) of the Act:

Section 1

Impact criteria

An impact criterion for the identification of a critical infrastructure element is the aspect of

- a) More than 250 casualties or more than 2,500 people who needed hospitalisation for longer than 24 hours
- b) Economic impact with threshold value of economic loss greater than 0.5 % of GDP or
- c) Impact on society with threshold value of a large limitation of necessary service provision or another serious intervention into the daily life of more than 125,000 people

Section 2

Sectoral criteria

Sectoral criteria for the identification of a critical infrastructure element are defined in the Annex to this Order.

Section 3

Effect

This Decree takes effect on 1 January 2011.

The prime minister:

Nečas, signed

The deputy prime minister and the minister of the interior:

John, signed

Annex

SECTORAL CRITERIA FOR THE IDENTIFICATION OF A CRITICAL INFRASTRUCTURE ELEMENT

I. ENERGY

A. Electricity

- A. 1 Electricity production facility
 - a) a facility that produces electricity with a total installed generating capacity of at least 500 MW;
 - b) a facility that provides supporting services¹ with a total installed generating capacity of at least 100 MW;
 - c) lines for power output and securing the electricity production facility's own consumption;
 - d) a control centre of an electricity producer.
- A. 2 Transmission system
 - a) transmission system lines with voltage of at least 110 kV,
 - b) an electrical substation of the transmission system with voltage of at least 110 kV,
 - c) a technical control centre of a transmission system operator.
- A. 3 Distribution system
 - a) an electrical substation of the distribution system and power lines with voltage of 110 kV (110/10 kV, 110/22 kV and 110/35 kV substations and associated power lines are assessed according to their strategic importance in the distribution system);
 - b) a technical control centre of a distribution system operator.

B. Gas

- B. 1 Transmission system
 - a) a high-pressure transit gas pipeline with a nominal diameter of at least 700 m;
 - b) a high pressure national gas pipeline with a nominal diameter equal to 700 mm or smaller;
 - c) a compressor station;
 - d) a transfer station;
 - e) a technical control centre.
- B. 2 Distribution system
 - a) a high or medium pressure gas pipeline;
 - b) a transfer and regulating station;
 - c) a technical control centre.
- B. 3 Gas storage
 - a) an underground gas storage tank with capacity of at least 50 million m³ of gas;
 - b) a technical control centre.

C. Oil and oil (petroleum) products

C. 1 Transmission system

- a) a transit oil pipeline with a nominal diameter of at least 500 mm, including entry points;
- b) a national oil pipeline with a nominal diameter of at least 200 mm, including entry points;
- c) a technical control centre;
- d) a pumping station;
- e) terminal equipment for oil transmission;
- f) the beginning and the end of oil pipeline doubling and branches – a pig launcher.

C. 2 Distribution system

- a) a pipeline with a nominal diameter of at least 200 mm including entry points;
- b) a technical control centre;
- c) a pumping station.

C. 3 Oil and fuel storage

- a) a storage facility or a set of storage facilities with capacity of at least 40,000 m³;
- b) a technical control centre.

C. 4 Fuel production

A refinery with capacity for atmospheric distillation of at least 500,000 tonnes per year.

D. Central thermal energy supply system

D. 1 Thermal production facility

- a) a facility that produces thermal energy with total installed generating capacity of at least 200 MW;
- b) transferring thermal output from a thermal energy source;
- c) a control centre of a thermal energy producer.

D. 2 Thermal energy distribution

- a) A thermal energy supply system with capacity of at least 500 MW;
- b) a technical control centre of a distribution system operator.

II. WATER RESOURCE MANAGEMENT

- a) water supply from a single irreplaceable source providing for at least 125,000 residents;
- b) a water treatment plant with capacity of at least 3,000 l/s.
- c) waterworks with volume of collected water of at least 100 million m³.

III. FOOD INDUSTRY AND AGRICULTURE

A. Crop production

The area of farmed land of an individual farm or an agricultural holding, within the territory of one region for an individual plant of at least 4,000 ha.

B. Animal production

The number of reared animals in one farm within the territory of one region according to the primary types of livestock

- a) cattle: at least 10,000 animals;
- b) pigs: at least 45,000 animals;
- c) poultry: at least 300,000 animals.

C. Food production

The irreplaceableness of a plant's or manufacturing shop's production within the territory of one region according to the primary types of food

- a) milled products: at least 80,000 tonnes per year according to the primary types of milled products;
- b) sugar: at least 230,000 tonnes per year;
- c) bakery products: at least 600,000 tonnes per year according to the primary types of bakery products;
- d) milk and dairy products: at least 65 million litres of milk per year or at least 100,000 tonnes of dairy products per year;
- e) meat and meat products: at least 200,000 tonnes of meat per year according to the primary types of meat or at least 500,000 tonnes of meat products per year according to the primary types of meat products.

IV. HEALTH SECTOR

A medical facility with a total number of at least 2,500 acute care beds.

V. TRANSPORT

A. Road transport

An overland road classified under the category of motorways and first class roads² if there is no roundabout way available.

B. Rail transport

- a) A national railway³ including its structural parts provided there is no diversion route of a suitable EN line category with regard to load and space throughput for the loading gauge;
- b) a system of management and organization of rail traffic control on the railways in the Czech Republic in relation to European railways with due regard to the new conditions for securing cooperation within the European Rail Traffic Management System (central, regional and local control centres).

C. Air transport

C. 1 Airports

A public international airport which is able to accept flights based on instruments, for which it is not possible to secure commercial air transportation via an alternative airport, or securing such alternative would be too costly, uneconomic or accomplishable only with undue difficulties.

An alternative airport means a public international airport which

- a) is able to secure at least 80 % of the commercial air transportation for which it is identified as alternative;

- b) is reachable within 2 hours using another mode of transport;
- c) has sufficient capacity of the operating area and terminal capacity;
- d) is of the same or similar category as the airport for which it is identified as alternative, and
- e) is able to accept an instrument flight.

C. 2 Air traffic control

- a) an approach control service of an airport and a management service of an airport identified as critical infrastructure, or
- b) an area control service providing air control services including aerodrome control service in the air space of the Czech Republic.

D. Inland water transport

An inland waterway the use of which cannot be replaced by the use of a substitute inland waterway or any other type of transport.

VI. COMMUNICATION AND INFORMATION SYSTEMS

A. Technological elements of a wired electronic communications network:

- a) a centre for network control and support;
- b) a central office;
- c) an international central office;
- d) a transit central office;
- e) a data centre;
- f) telecommunication lines.

B. Technological elements of a mobile electronic communications network:

- a) a centre for network control and support;
- b) a mobile network central office;
- c) a base central unit covering a strategic location;
- d) a base station covering a strategic location;
- e) a data centre;

C. Technological elements of networks for radio and television broadcasting:

- a) Transmitters for broadcasting television or radio signals allocated for notifying citizens in situations of crisis with a transmitted power of at least 1 kW to secure radio and television broadcasting of a public broadcaster;
- b) an operation control centre;
- c) a data centre;
- d) the network for radio and television broadcasting to secure the operation of radio and television broadcasting of a public broadcaster.

D. Technological elements for satellite communication:

- a) the main terrestrial satellite receiver and transmitter stations;

- b) the European global satellite-based navigation system;
- c) a terrestrial communication and control centre;
- d) a terrestrial connection network.

E. Technological elements for the postal services:

- a) a central and regional computer centre, a centre for central recording and data storage;
- b) a collection transportation hub;
- c) management and international post;
- d) post transport infrastructure.

F. Technological elements of information systems:

- a) a control centre;
- b) a data centre;
- c) an electronic communications network;
- d) a technological element securing the operation of the domain name system with "CZ" and the protection of the operation of the top-level domain "CZ".

G. The field of cyber security:

- a) an information system which significantly or fully influences the activity of an identified element of critical infrastructure and which is at the same time replaceable only if excessive costs are incurred or in a time period of more than 8 hours;
- b) a communication system which significantly or fully influences the activity of an identified element of critical infrastructure and which is at the same replaceable only if excessive costs are incurred or in a time period of more than 8 hours;
- c) an information system which is operated by a public authority that execute public powers which contains personal data of more than 300,000 people;
- d) a communication system securing the connection or interconnection of an element of critical infrastructure, with a capacity of guaranteed data transmission of at least 1 Gbit/s;
- e) sectoral criteria for the identification of a critical infrastructure element specified in A to F shall be used adequately for the field of cyber security, if the protection of the element fulfilling these criteria is necessary to ensure cyber security.

VII. FINANCIAL MARKET AND CURRENCY

1. The activity of the Czech National Bank in ensuring the execution of its powers as specified by law.
2. The provision of services in the field of banking and insurance by an entity which offers a comprehensive service portfolio to all clients, has an extensive group of subsidiaries and affiliated companies which secure other financial services, and which has a wide network of regional branches, provided that
 - a) the market share of this entity in the banking sector exceeds 10 % of the total balance sheet of the banking sector, or

- b) the market share in the insurance sector of this entity measured by the volume of premiums exceeds 25 %.

VIII. EMERGENCY SERVICES

A. The integrated rescue system

- a) An operation and information centre of the Directorate General of the Fire Rescue Service of the Czech Republic;
- b) an operation and information centre of the regional Fire Rescue Service;
- c) a station house of the Fire Rescue Service of the Czech Republic;
- d) an operation centre of the department of the Police of the Czech Republic;
- e) an operation centre of the emergency medical treatment service;
- f) central and regional control centres of the mountain rescue service⁴.

B. Radiation monitoring

The radiation monitoring network⁵.

C. Forecasting, warning and notifying service

- a) A forecasting and warning service for the crisis management authorities from the monitoring systems of meteorological and hydrological networks and from the networks of automatic pollutant monitoring system;
- b) monitoring the meteorological, hydrological and pollutant situation which immediately influences the occurrence and spreading of natural disasters and dangerous substances in air, and informing the relevant authorities and the public;
- c) the floods notifying and forecasting service;
- d) securing the activity of the national radiation monitoring network;
- e) the national telecommunication centre for securing national monitoring and information networks;
- f) a regional telecommunication centre within the system of the World Meteorological Organisation;
- g) notifying about the occurrence and end of smog episodes and regulatory measures;
- h) ensuring the meteorological security of nuclear power plants;
- i) ensuring the meteorological security of civil aviation;
- j) ensuring the meteorological security of road traffic;
- k) a point of reference for modelling air pollution and processing reports on air quality according to the legal regulations of the European Union;
- l) a point of reference processing reports on air quality and data on emissions and pollutants according to the legal regulations of the European Union.

IX. PUBLIC ADMINISTRATION

A. Public finance

The execution of powers of the Ministry of Finance, the General Financial Directorate, the General Directorate of Customs, the Office of Government Representation in Property Affairs and the State Printing Works of Securities in securing the preparedness for solving crisis situations in the field of

- a) financial administration;
- b) customs authorities;
- c) the representation of the state in property affairs;
- d) state securities printing.

B. Social protection and employment

B. 1 Social security

- a) An information system of the register of insured people with regard to health insurance and pensions contributions which contains the data of more than 125,000 insured people;
- b) an insurance information system of the register of insured people if they are employees or self-employed which contains the data of more than 125,00 people;
- c) an insurance information system of the register of employers if they are the employers of the employed people which contains the data of more than 125,00 employers;
- d) an application software equipment for automated data processing needed for making decisions on illness or pension benefits;
- e) an application software equipment for automated data processing needed for the assessment of medical condition;
- f) an application software equipment for automatic data processing needed for making decisions on social security contributions and contributions to the state employment policy including advances, fines and additional fees of the social security contributions, and on the creation of a pledge in case of debts with regard to the contributions to social security and contributions to the state employment policy and fines;
- g) a repository for the data and registers processed by an information system of the register of insured people with regard to health insurance and pension contributions, and an information insurance system of the registry of insured people, and an information insurance system of the register of employers.

B. 2 State social support

- a) An information system of social benefits (of their level, of the beneficiaries and applicants for the benefits and of people who are assessed together with them) which contains data of more than 125,000 people;
- b) an information system of material needs support which contains data of more than 125,000 people;
- c) a national data network which connects the Labour Office of the Czech Republic – General Directorate, regional labour offices, labour office for the capital city of Prague, regional

authorities, municipal authorities of municipalities with extended powers and appointed municipal authorities, and other authorities.

B. 3 Public aid

- a) An information system for the delivering of social service benefits which contains data of more than 125,000 people;
- b) a national data network which connects the Labour Office of the Czech Republic – General Directorate, regional labour offices, the labour office for the capital city of Prague, regional authorities, municipal authorities of municipalities with extended powers and other authorities;
- c) a register of children and a register of applicants for the purpose of facilitating adoption or foster care which contains data of more than 125,000 people.

B. 4 Employment

- a) An information system of the employment policy – the register of job vacancies, the register of people interested in finding a job, the register of job seekers, the register of people with a disability, the register of foreign citizens and the register of permits for the performance of artistic, cultural, sports or advertising activities of children, which contains data of more than 125,000 people;
- b) a national data network which connects the Labour Office of the Czech Republic – General Directorate, regional labour offices, the labour office for the capital city of Prague, regional authorities, municipal authorities of municipalities with extended powers and appointed municipal authorities, and other authorities.

C. Other state administration

The execution of powers of ministries and other national authorities related to ensuring preparedness for solving crisis situations.

D. Intelligence services

- a) The execution of powers of the Office for Foreign Relations and Information;
- b) the execution of powers of the Security Information Service.

Footnotes:

1. Section 2 paragraph 2 a) of Act No 458/2000 Coll. on business conditions and public administration in the energy sectors and on the amendment to other laws (Energy Act), as amended.
2. Section 3 of Act No 13/1997 Coll. on Overland Communications, as amended.
3. Section 3 paragraph 1 a) of Act No 266/1994 Coll. on Railways.
4. Section 11a to 11c of Act No. 159/1999 Coll. on certain business conditions and discharge of certain activities in the field of tourism, and amending Act No. 40/1964 Coll. , the Civil Code, as amended, and Act No. 455/1991 Coll. on licensed trades (the Licensed Trades Act), as amended by Act No 301/2009 Coll.
5. Section 3, paragraph 2 1) and p) of Act No 18/1997 Coll., on peaceful use of nuclear energy and ionising radiation (Atomic Act) a on the change of certain acts, as amended by Act No 13/2002 Coll.