

**Decree**  
**of the Nuclear Regulatory Authority of the Slovak Republic**  
**No. 48/2006 Coll. As amended by Decree No. 32/2012 Coll.**  
**Laying Down Details on the Manner of Reporting Operational Events and Events in**  
**Transportation and Details of Ascertaining Causes Thereof (consolidated version)**

The Nuclear Regulatory Authority of the Slovak Republic (hereinafter referred to as “Authority”), pursuant to Section 27 (7) of Act No. 541/2004 on the Peaceful Use of Nuclear Energy (Atomic Act) and on the Amendment and Supplementation to Certain Acts (hereinafter referred to as “Act”), lays down as follows

**Section 1**

**Scope**

This Decree lays down details on the manner of reporting operational events and events in transportation pursuant to Section 27 (1) and (2) of the Act (hereinafter referred to as “event”) and details of ascertaining causes thereof.

**Section 2**

**Reporting Events**

- (1) The authorisation holder reports to the Authority all faults pursuant to Section 27 (3) (a) of the Act in aggregate for the respective calendar month by the 20th day of the subsequent calendar month by submitting written fault reports.
- (2) Written fault report shall contain:
  - a) The report title,
  - b) The registration number,
  - c) The date of occurrence,
  - d) The nuclear installation identification,
  - e) A description of the event,
  - f) The causes of the occurrence,
  - g) The influence on nuclear safety,
  - h) A rating according to the International Nuclear Event Scale,
  - i) Measures adopted to eliminate its consequences and for prevention.
- (3) The authorisation holder reports the occurrence of an incident pursuant to Section 27 (3) (b) of the Act or of an accident pursuant to Section 27 (3) (c) of the Act to the Authority pursuant to a special decree.<sup>1)</sup>
- (4) The authorisation holder shall prepare a final written report on the incident or accident reported pursuant to Paragraph 3, and it shall submit this report to the Authority within 30 days of occurrence of the incident or accident.
- (5) The final written report on the incident or accident contains specific information pursuant to a special decree <sup>2)</sup> and, in addition
  - a) A detailed description of the incident or accident, which includes:
    1. The time sequence of its development, automatic or manual activation of protections, activation of safety systems, the time sequence of interventions of automatics and operators and their evaluation, evaluation of compliance with

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<sup>1)</sup> Section 6 and Section 20 of Decree of the Nuclear Regulatory Authority of the Slovak Republic No. 55/2006 Coll. laying down details in emergency planning for the event of an incident or an accident.

<sup>2)</sup> Section 6 (6) of the Decree of the Nuclear Regulatory Authority of the Slovak Republic No. 55/2006 Coll. laying down details in emergency planning for the event of an incident or an accident.

- operating instructions, information as to whether limits and conditions were violated,
2. An evaluation of systems and devices related to the incident or accident, and their function, errors and influence on the incident or accident,
  3. Consequences of incidents or accidents and their impact on the surroundings, on the nuclear installation and on persons present in the nuclear installation,
  4. Course of recorded parameters,
  5. Opinions of relevant units of the authorisation holder or of other persons, if applicable,
  6. Accounts and explanations of service personnel,
- b) A safety evaluation including:
1. An in-depth analysis of the incident or accident,
  2. An evaluation of the violation of defence in depth,<sup>3)</sup>
  3. Conclusions of the assessment,
- c) Determination of the direct causes and root causes of the incident or accident,
- d) Corrective measures including:
1. Short-term and long-term corrective measures
  2. Measures to prevent recurrence of the incident or accident.

### **Section 3**

#### **Establishing Causes of Events**

- (1) Causes of events are established:
  - a) By analysing the technical condition of a nuclear installation or transportation facility before occurrence of the event including establishing the condition of regular maintenance of the facility and results of regular checks of the facility,
  - b) By analysing the correctness and completeness of operational documentation and its regular updates,
  - c) By comprehensive assessment of the influence of the human factor on the occurrence and course of the event.
- (2) The authorisation holder shall ensure immediate initial evaluation of the event from the safety point of view with the aim to decide on the need of commencement of the immediate actions.
- (3) The result of the investigation is a determination of the causes of events and subsequently determination of measures to prevent recurrence of the events.
- (4) An essential part of investigating the cause of events is also a specification of proper methods of investigations including methods for a human factor analysis.

### **Section 4**

This Decree has been adopted in accordance with a legally binding act of the European Union in the area of technical standards and technical regulations.<sup>4)</sup>

### **Section 5**

#### **Entry into force**

This decree shall enter into force on 1 March 2006.

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<sup>3)</sup> Section 2 (o) of the Decree of the Nuclear Regulatory Authority of the Slovak Republic No. 430/2011 Coll. on nuclear safety requirements.

<sup>4)</sup> European Parliament and Council Directive 98/34/EC of 22 June 1998, establishing a procedure for the provision of information in the field of technical standards and regulations and of rules on Information Society services (Special edition of the EU Official Journal, chap. 13/vol. 20), as amended.

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