

**DECREE**  
**No. 374**  
**of 7<sup>th</sup> November 2016**

**on the accountancy and control of nuclear materials and reporting of information on them**

The State Office for Nuclear Safety stipulates pursuant to § 236 of Act No 263/2016 Coll., the Atomic Act, towards the implementation of § 6(8)(a) and (b), § 24(7), § 25(2), § 166(6)(a) to (c), § 167(2)(a) to (d), and § 169(4):

PART ONE  
**INTRODUCTORY PROVISIONS**

§ 1

**Subject matter**

This decree regulates, in connection by directly applicable legislation of the European Union<sup>1)</sup>

on the application of Euratom safeguards,

- a) the concentration of an element isotope in a material that makes it an initial material;
- b) the concentration of a radionuclide in a material that makes it a special fissile material;
- c) the list of other fissile materials that are important from the perspective of ensuring non-proliferation of nuclear weapons;
- d) the scope, manner, and deadlines for notifying information on the manufacture of packaging for irradiated nuclear fuel, construction of hot cells, research and development activities applicable to the nuclear fuel cycle, or other activities stipulated . by the Additional Protocol to the Treaty on the Non-proliferation of Nuclear weapons<sup>2)</sup>,
- e) the scope, manner, and duration for which information on the mining or processing of uranium or thorium ore in the Czech Republic is archived, and its delivery to the Office,
- f) document content requirements for authorised activity in the area of non-proliferation of nuclear weapons;
- g) the scope, manner, and duration for which registered documents on nuclear materials shall be archived, and deadlines for their delivery to the Office;
- h) the scope of and manner in which nuclear material is inspected by a holder of a permit in the area of non-proliferation of nuclear weapons;
- i) the scope of and manner in which a system of records shall be kept for nuclear materials;
- j) information on the content of documents and the scope of data required by Euratom legislation, and when and how they shall be delivered to the Office;
- k) sample forms for notifying information from the nuclear materials register to the Office and the European Commission (hereinafter the „Commission“) and

---

<sup>2)</sup> The Additional Protocol to the Agreement between the Republic of Austria, the Kingdom of Belgium, the Kingdom of Denmark, the Republic of Finland, the Federal Republic of Germany, the Hellenic Republic, Ireland, the Italian Republic, the Grand Duchy of Luxembourg, the Kingdom of the Netherlands, the Portuguese Republic, the Kingdom of Spain, the Kingdom of Sweden, the European Atomic Energy Community and the International Atomic Energy Agency in implementation of Article III (1) and (4) of the Treaty on the Non proliferation of Nuclear Weapons.

- l) a sample declaration by an end user of nuclear material in the Czech Republic upon its import.

§ 2

**Definitions**

For the purposes of this decree, the following definitions apply:

- a) inventory change - an increase or decrease in the recorded amount of nuclear material, including changes in its category<sup>3)</sup> in the stipulated area of material accounting<sup>34)</sup>; inventory changes in the form of increases or decreases of nuclear material are given in grams with accuracy to three decimal places;
- b) unmeasurable operating losses - losses that occur during operation, especially through dispersion, evaporation, rounding, due to imperfections in analytic methods, or unauthorised removal; these losses are ascertained during physical inventory<sup>45)</sup> of nuclear materials, and result in unaccounted material;<sup>56)</sup> and
- c) measurable operating losses - losses that represent a measured waste of nuclear material that for the given permit holder due to its properties, especially given financial costs, is entirely unusable, where the material is usually technologically reclaimable without the use of ore processing technology; these losses especially include abrasions and slivers mixed with other metals during joint milling, slag, material baked onto crucibles, unprocessable and highly active solutions, and remnants from analyses.

PART TWO

**STIPULATION OF THE MINIMUM CONCENTRATION OF NUCLEAR MATERIAL AND THE LIST OF OTHER FISSILE MATERIALS**

§ 3

**The minimum concentration of nuclear material**

The minimum concentration of nuclear material pursuant to § 1(a) and (b) is always a real, positive value.

§ 4

**The list of other fissile materials**

The list of other fissile materials that are important from the perspective of non-proliferation of nuclear weapons is stipulated by the Board of Governors of the International Atomic Energy Agency (hereinafter the 'Agency').

---

<sup>3)</sup> Article 2(9) of Commission Regulation (Euratom) No 302/2005.

<sup>4)</sup> Article 2(14) of Commission Regulation (Euratom) No 302/2005.

<sup>5)</sup> Article 2(17) of Commission Regulation (Euratom) No 302/2005.

### PART THREE

## **THE SCOPE AND MANNER OF NUCLEAR MATERIAL INSPECTIONS, KEEPING A SYSTEM OF RECORDS, AND DELIVERING INFORMATION TO THE OFFICE**

### § 5

#### **The permit holder**

(1) The permit holder performs nuclear material accountancy pursuant to guidelines on nuclear material accountancy and control. The permit holder shall delegate nuclear material accountancy and control to a natural person (hereinafter the 'nuclear material accountancy manager'), and give the Office a copy of this written delegation.

(2) The permit holder shall send documentation pursuant to § 6(c), (d), and (g) to the Commission and a copy to the Office. The permit holder shall send the Office a copy of all documentation within 30 days of receiving it from the Commission.

(3) The permit holder shall perform nuclear material accountancy and control in facilities specified in the first sub-paragraphs of Article 3(1) of Commission Regulation (Euratom) No 302/2005.

### § 6

#### **The nuclear material accountancy manager**

The nuclear material accountancy manager

- a) shall participate in preparation and planning of all of the permit holder's activities related to nuclear materials management;
- b) draws up and updates the guidelines on accountancy and control of nuclear materials, and ensures they are complied with;
- c) periodically checks that the physical condition of nuclear materials corresponds to operating records<sup>67)</sup>, checks seals of the Office, the Commission, and the Agency, and other control equipment, and keeps records of these checks;
- d) is responsible for keeping accounting and operating records<sup>78)</sup>, keeps book inventory<sup>7)</sup> of nuclear materials<sup>9)</sup> on Form No 1, whose sample is provided in Annex 1 to this decree, and proposes measures to ensure correct accounting and safe storage of nuclear materials in order to safeguard them from theft;
- e) physically checks and records all incoming and outgoing nuclear materials.
- f) provides organisational support physical inventory of nuclear materials;
- g) creates accounting reports<sup>109)</sup> on the movement of nuclear materials;
- h) accompanies inspectors from the Office, the Commission, and the Agency during inspections;
- i) archives documents from the Office, the Commission, and the Agency related to nuclear material accountancy on the premises of the permit holder for at least 5 years; and
- j) approves nuclear material storage, accountancy, and control at remote sites.

---

<sup>6)</sup> Article 2 (18) of Commission Regulation (Euratom) No 302/2005.

<sup>7)</sup> Article 8 of Commission Regulation (Euratom) No 302/2005.

<sup>8)</sup> Article 9 of Commission Regulation (Euratom) No 302/2005.

<sup>9)</sup> Article 2 (16) of Commission Regulation (Euratom) No 302/2005.

<sup>10)</sup> Article 10 of Commission Regulation (Euratom) No 302/2005.

§ 7

**Nuclear material accountancy**

The accountancy system<sup>11)</sup> for nuclear materials includes

- a) accounting and operating records;
- b) accounting reports;
- c) special reports<sup>12)</sup>;
- d) advance notification<sup>13)</sup>,
- e) a list of operating losses, retained, and conditioned waste<sup>14)</sup>;
- f) a list of nuclear materials for which the Commission has provided written derogation<sup>15)</sup> from the rules governing the form and frequency of notifications;
- g) basic technical characteristics<sup>16)</sup> including their situation drawings; and
- h) a programme of activities<sup>17)</sup>.

§ 8

**Accounting and operating records**

(1) The permit holder records data in accounting records pursuant to Article 9 of Commission Regulation (Euratom) No 302/2005 according to operating records or accompanying documents.

(2) Operating records

- a) are kept directly at the workplaces where nuclear materials are used, stored, or consumed; and
- b) contain the date and signature of the nuclear materials accounting manager or his representative who made the record, and in the case of inventory changes, which lead to termination of accountancy of nuclear materials, signatures of two authorised employees, including the signature of the nuclear materials accounting manager; the nuclear materials accounting manager may delegate in writing another individual to keep operating records at a remote site.

§ 9

**Accounting reports**

(1) An accounting report is

- a) an inventory change report<sup>18)</sup>,
- b) a physical inventory listing<sup>19)</sup>,

---

<sup>11)</sup> Article 7 of Commission Regulation (Euratom) No 302/2005.

<sup>12)</sup> Article 14 of Commission Regulation (Euratom) No 302/2005

<sup>13)</sup> Article 20 and 21 of Commission Regulation (Euratom) No 302/2005.

<sup>14)</sup> Article 30 to 32 of Commission Regulation (Euratom) No 302/2005.

<sup>15)</sup> Article 19 of Commission Regulation (Euratom) No 302/2005.

<sup>16)</sup> Article 3 of Commission Regulation (Euratom) No 302/2005.

<sup>17)</sup> Article 5 of Commission Regulation (Euratom) No 302/2005.

<sup>18)</sup> Article 12 of Commission Regulation (Euratom) No 302/2005.

<sup>19)</sup> Article 13 of Commission Regulation (Euratom) No 302/2005.

- c) a material balance report;<sup>19)</sup> and
- d) book inventory<sup>20)</sup>.

(2) The permit holder shall send the Office a copy of the accounting report that he sends to the Commission in electronic form according to the samples provided in Annexes III, IV, and V to Commission Regulation (Euratom) No 302/2005 by deadlines pursuant to Commission Regulation (Euratom) No 302/2005. The permit holder shall also send the Office a printout of a computer record of accounting reports or accounting reports on Forms No 2, 3, and 4, whose samples are provided in Annex 1 to this decree, with the signature of the nuclear materials accounting manager, and shall also send a copy of the communication document with the Commission regarding the accounting report, if he shall not send through data box.

(3) An inventory change report on Form No 2, a sample of which is provided in Annex 1 to this decree, is filled out by a permit holder

- a) sending nuclear material (hereinafter the 'sender') in case of nuclear material transfers within the Czech Republic in five copies; he sends one copy to the Office, three copies to the permit holder receiving the nuclear material (hereinafter the 'recipient'), and he keeps one copy; if he shall not send through data box; the recipient verifies the information provided by the sender and after filling out the inventory change report form, he returns one copy to the sender, sends one copy to the Office, and keeps one copy; if based on a measurement the recipient finds a discrepancy between the mass of the element or fissile isotope in the received nuclear material, he shall notify the Office of this in the inventory change report;
- b) during nuclear material transfers, if he is the sender, in two copies; he sends one to the Office and keeps the other, if he shall not send through data box; simultaneously, the sender provides each shipment of nuclear material with an accompanying document in the form of an export and import notification on Form No 5, a sample of which is provided in Annex 1 to this decree, sends two copies along with the shipment, two copies to the Office, and keeps one; if based on a measurement the recipient finds a discrepancy between the mass of the element or fissile isotope in the received nuclear material, he shall notify the Office of this in the inventory change report and
- c) during nuclear material inventory changes, aside from a transfer pursuant to a) and b), in two copies; he sends one to the Office and keeps the other, if he shall not send through data box.

(4) An inventory change report is sent to the Office within five days of the change.

(5) The permit holder sends a physical inventory listing to the Office on Form No. 3, a sample of which is provided in Annex 1 to this decree, within ten days from the date the physical inventory of nuclear materials was performed.

## § 10

### **Special reports**

(1) If circumstances described in Article 15 or 22 of Commission Regulation (Euratom) No 302/2005 arise, the permit holder shall immediately send the special report that is sent to the Commission pursuant to Article 14 of Commission Regulation (Euratom) No 302/2005.

(2) The permit holder shall immediately inform the Commission and the Office that a seal has been breached and of a breach of functionality or prescribed conditions for ensuring

---

<sup>20)</sup> Article 11 of Commission Regulation (Euratom) No 302/2005

functionality of equipment intended for nuclear materials control belonging to the Commission, the Agency, or the Office.

§ 11

**Advance notification**

(1) If a permit holder intends to consume nuclear materials through non-nuclear activities in a manner that makes them impossible to reclaim, he shall send the Commission and the Office notification to this effect at least two months prior to commencing this activity. The permit holder shall not commence activity pursuant to the first sentence until he has received the Commission's specifications for keeping consumption records. This does not apply in the case of consumption of nuclear material in nuclear reactors through fission.

(2) If a permit holder plans to undertake activity during which seals belonging to the Commission, the Agency, or joint seals of the Commission and the Agency shall be breached, he shall inform the Commission and the Office of such activity immediately. In the case of planned activities during which seals of the Office shall be breached, the permit holder shall inform only the Office.

(3) If a permit holder intends to export or import nuclear materials, he shall inform the Commission and the Office of this in accordance with Article 20 and 21 of Commission Regulation (Euratom) No 302/2005 by deadlines specified by Commission Regulation (Euratom) No 302/2005.

§ 12

**Operating losses, retained, and conditioned waste**

(1) Operating losses are stipulated based on the results of chemical analysis, calculation, estimate, or measurement. They cannot be calculated from materials accounting as the difference between the weight of the material entering the process and the weight of the product. Analysis and measurement results are part of operating records.

(2) Nuclear material from measurable operating losses is administratively taken out of normal nuclear materials records as retained waste, and its amount is subtracted from the physical inventory list and continues to be subject to Commission, Agency, and Office control. If a permit holder intends to condition nuclear waste by transforming it to conditioned waste, by encasing it in concrete, glass, cement, or asphalt, after the Commission has approved the given conditioning he shall first return the material to regular records through an inventory change report, and after the conditioning, he shall administratively take it out of normal nuclear materials records as retained waste. The permit holder shall send a copy of the entry regarding the conditioning, which is part of operating records, to the Office along with an inventory change report.

(3) Separate records are kept for nuclear material designated as retained or conditioned waste. Article 30 of Commission Regulation (Euratom) No 302/2005 specifies how accounting records are kept.

(4) The permit holder shall send the Office information on further processing of mid-level or high-level radioactive waste containing plutonium, highly enriched uranium, or isotope  $^{233}\text{U}$  that have been transferred to the category of retained or conditioned waste pursuant to Article 31 of Commission Regulation (Euratom) No 302/2005, at least 200 days prior to its further processing. This does not apply to changes to packaging or further processing of waste with the exception of separation of elements.

(5) A permit holder shall notify the Office of the transfer of conditioned waste for the previous year pursuant to Article 32 of Commission Regulation (Euratom) No 302/2005 by 31 January.

### § 13

#### **Exceptions**

(1) A permit holder shall inform the Office of having been granted an exception from rules governing the form and frequency of accounting and special reports sent pursuant to Article 19 Commission Regulation (Euratom) No 302/2005.

(2) Nuclear material for which an exception has been granted pursuant to (1) continues to be subject to Commission, Agency, and Office control. The nuclear material accounting system for which the exception has been granted pursuant to (1) is stipulated by Article 19 of Commission Regulation (Euratom) No 302/2005. A permit holder who has been granted an exception must also:

- a) record this nuclear material in a separate materials accounting area;
- b) send the Office inventory change reports in the case of shipping and receiving of this nuclear material within the scope of one materials accounting area; and
- c) create a separate physical inventory list and book inventory for this nuclear material.

### § 14

#### **Basic technical characteristics**

A permit holder shall send the Office a copy of the basic technical characteristics, which he creates and sends the Commission pursuant to Article 3 of Commission Regulation (Euratom) No 302/2005.

### § 15

#### **Activity programme**

A permit holder shall send the Office a copy of the activity programme, which he notifies to the Commission pursuant to Article 5 of Commission Regulation (Euratom) No 302/2005. If a permit holder intends to consume nuclear materials in non-nuclear activities such as for example the manufacture of alloys, ceramics, or glass batch colouring, he shall send the Office information containing an estimate of the planned consumption for the coming calendar year, which he updates during the year pursuant to § 11(1).

PART FOUR

**DOCUMENT CONTENT REQUIREMENTS FOR AUTHORISED ACTIVITIES IN  
THE AREA OF NON-PROLIFERATION OF NUCLEAR WEAPONS**

§ 16

**Documentation for issue of a permit to manage nuclear materials**

(1) The guidelines on accountancy and control of nuclear materials contain:

- a) information on the location of nuclear materials on the permit holder's premises;
- b) the scope of authority and responsibility of the nuclear material accounting manager and specific designation of responsibility of other employees to whom nuclear material accounting is delegated at individual workplaces;
- c) how and when information is to be given to the nuclear material accounting manager regarding the use and consumption of nuclear materials at individual workplaces, the movement of nuclear materials between workplaces, and the shipping and receiving of nuclear materials;
- d) the manner in which accounting records are kept;
- e) the manner in which operating records are kept for all workplaces where nuclear materials are used, stored, or consumed;
- f) measurement methods and procedures whose purpose is to stipulate the amount of nuclear materials accepted, manufactured, shipped, and consumed, including measured operating losses or contained in inventory;
- g) utilisation of devices and equipment with accuracy corresponding to current standards for performance of measurements;
- h) how measurement accuracy is measured and how measurement errors are estimated;
- i) in which manner and how often measuring instruments are calibrated, tank volume is stipulated, and samples are taken;
- j) procedures for evaluating differences between measurements of the shipper and receiver;
- k) procedures for transforming measured operating losses of nuclear materials into waste that will guarantee that they cannot be reclaimed;
- l) procedures for employees responsible for accounting when managing nuclear materials during inspections by the Office, the Commission, and the Agency;
- m) procedures for employees in case of events affecting damage, theft, or loss of nuclear materials, or breach of integrity or functionality of control equipment belonging to the Office, the Commission, and the Agency; and
- n) a procedure for evaluating unaccounted material.

(2) A description of nuclear materials management contains:

- a) the purpose of the nuclear materials;
- b) the maximum amount of nuclear materials, their chemical and physical form, and, if applicable, enrichment;
- c) the category of nuclear materials;
- d) how nuclear materials shall be physically protected;
- e) how nuclear materials shall be stored; and
- f) a detailed description of all activities performed with nuclear materials, taking into account the occurrence of operating losses or their consumption.



(3) Information required to fulfil conditions that follow from international obligations contain

- a) basic technical characteristics, and
- b) identification data under § 18 (1).

§ 17

**Documentation for the issue of an import, export, or transit permit for nuclear materials**

(1) Information needed to ask for a state guarantee in the case of export and transit of nuclear material contains:

- a) the amount of nuclear materials, their chemical and physical form, and enrichment if applicable;
- b) the category of nuclear materials;
- c) the name and address of the supplier and the end user of the nuclear materials in the receiving country; and
- d) the number of the contract, or of the quote.

(2) A sample end user declaration in the case of import or transfer of nuclear materials into the Czech Republic is provided in Form No 6 in Annex 1 to this decree.

(3) Information required to fulfil conditions that follow from international obligations in the case of the import of nuclear materials contains:

- a) the amount of nuclear materials, their chemical and physical form, and enrichment if applicable;
- b) the category of nuclear materials;
- c) the name and address of the supplier and the end user of the nuclear materials in the Czech Republic; and
- d) the number of the contract, or of the quote.

PART FIVE

**THE SCOPE, MANNER AND DURATION FOR WHICH INFORMATION ON MINING AND PROCESSING OF URANIUM AND THORIUM ORE IN THE CZECH REPUBLIC IS ARCHIVED**

§ 18

(1) A natural person or a corporate subject that intends to extract uranium or thorium ore in the Czech Republic shall provide the Office, at least two months prior to the start of ore mining or processing, name (s), surname, date of birth, and place of business, if it is the applicant a natural person, the name of business name and address of the seat, if it is the applicant a corporate subject and identification number, a phone number, email address, the location of the uranium and thorium mines, uranium ore processing plants, and plants for the manufacture of thorium concentrate, their expected annual capacity, and information on operating status.

(2) A natural person or a corporate subject that extracts uranium or thorium ore in the Czech Republic shall send the Office a copy of documentation pursuant to Article 24 of Commission Regulation (Euratom) No 302/2005.

(3) A natural person or a corporate subject that exports or ships uranium or thorium ore shall send the Office a copy of documentation pursuant to Article 25 of Commission Regulation (Euratom) No 302/2005, and an inventory change report.

(4) All information related to mining, processing, export, or shipping of uranium or thorium ore are archived for at least 5 years, in paper and electronic form.

## PART SIX

### **THE SCOPE, MANNER, AND DEADLINES FOR NOTIFICATION OF INFORMATION ON SOME ACTIVITIES STIPULATED BY EU LEGISLATION**

#### § 19

##### **Information on activities applicable to the nuclear fuel cycle**

(1) A natural person or a corporate subject that performs research or development activities related to the nuclear fuel cycle pursuant to Article 2(a)(i) or pursuant to Article 2(b)(i) of directly applicable Euratom legislation<sup>1)</sup> shall notify the Office at least two months prior to commencing these activities name (s), surname, date of birth, and place of business, if it is the applicant a natural person, the name of business name and address of the seat, if it is the applicant a corporate subject and identification number a phone number, email address, and the place and extent of the performed activities.

(2) A natural person or a corporate subject that performs activities related to the development of the nuclear fuel cycle pursuant to Article 2(a)\*(x) of directly applicable Euratom legislation<sup>1)</sup>, submits to the Office its ten-year plan prior to commencing these activities.

(3) A natural person or a corporate subject that performs activities pursuant to Article 2(a)(iv) of directly applicable Euratom legislation<sup>1)</sup> shall notify the Office at least two months prior to commencing these activities name (s), surname, date of birth, and place of business, if it is the applicant a natural person, the name of business name and address of the seat, if it is the applicant a corporate subject and identification number, a phone number, email address, and the place and extent of the performed activities. A list of activities subject to notification is provided in Annex 2 to this decree.

(4) A natural person or a corporate subject shall keep and archive records of manufactured nuclear items listed in Annex 2 to this decree.

(5) Updated information for the previous calendar year, submitted pursuant to (1) to (3), is submitted to the Office by 15 February.

#### § 20

##### **Information on other activities stipulated by European Union legislation**

(1) Every natural person or a corporate subject performing activities within the scope of a stipulated locale shall, in cooperation with the Office, designate a representative for this locale<sup>2120)</sup>.

---

<sup>2120)</sup> Article 3 of Commission Regulation (Euratom) No 302/2005.

(2) Within 30 days of stipulation of the locale, the representative of the locale shall submit to the Office a general description of each building within the locale, including its purpose and equipment. The description must contain a schematic drawing of the locale.

(3) Updated information for the previous calendar year, submitted pursuant to (1) and (2), is submitted to the Office by the representative of the locale by 15 February.

## PART SEVEN

### COMMON AND FINAL PROVISIONS

#### § 21

#### **Document archiving**

Documents pursuant to § 6, 7, 18 to 20 are archived for at least 5 years from their date of issue.

#### § 22

#### **Notification**

This Decree was notified in accordance with Directive (EU) 2015/1535 of the European Parliament and of the Council of 9 September 2015 laying down a procedure for the provision of information in the field of technical regulations and of rules on Information Society services.

Chairperson:

Ing. Dana Drabová, Ph.D., v. r.



Stamp  
and signature:

## INVENTORY CHANGE REPORT

Batch name:					Euratom report no:					Euratom report row no:						
Material description:				Element:												
Number of items in batch:				Mass unit: g												
Name and address of the sender, code designation, or material balance area (MBA):					Report no:			Name and address of the recipient, code designation, or material balance area (MBA):					Report no:			
Data measurement method:				Inventory change code:				Data measurement method:				Inventory change code:				
Item no:	Total mass:	% of element:	Element mass:	Isotope mass:	Correction as at:		Note:	Item no:	Total mass:	% of element:	Element mass:	Isotope mass:	Correction as at:		Note:	
					Report no:	Item no:							Report no:	Item no:		
1								1								
2								2								
3								3								
4								4								
5								5								
Inventory change date:								Stamp and signature:								
Inventory change date:								Stamp and signature:								
Note:								Note:								





### EXPORT - IMPORT NOTIFICATION No.:

Shipper:		State code:	Receiver:		State code:
Shipment identification:	Means of transport:		Number of packages:	Total weight of consignment:	Netto weight:
Batch identification:	Batch name:		Date of shipment:	Material description:	Number of items:

Shipper: (SF)					Receiver: (RF)				
Line	N / D / E / P / T	Element weight (g)	Isotope weight (g)	G J K	Line	N / D / E / P / T	Element weight (g)	Isotope weight (g)	G J K
Date:		Signature:			Date:		Signature:		
Note:					Note:				





## **Declaration**

**by the end user of nuclear material**

### **Information on an end user that is a corporate subject**

Name:
Registered offices:
Identification number:

### **Information on an end user that is a natural person**

Name(s) and surname:
Business address:
Date of birth:

### **Specification of the nuclear material that the declaration concerns**

--

**Purpose of the nuclear material that the declaration concerns**

I declare that

- a) I shall not use the nuclear material for any purposes that would be contrary to the Treaty on the Non-Proliferation of Nuclear Weapons and would help achieve any military objectives;
- b) I shall make it possible to apply guarantees and control by the State Office for Nuclear Safety (SONS), Euratom, and the International Atomic Energy Agency;
- c) I shall ensure physical protection of the nuclear material in accordance with the decree on physical protection of nuclear materials;
- d) I shall not export nuclear material without authorisation by SONS and I shall notify SONS of every transfer thereof.

---

Date and signature

**Annex 2 to Decree No .../2016 Coll.**

**A list of activities subject to notification to the Office pursuant to § 19 of this decree:**

- (I) Manufacture of centrifuge rotor valves or a set of gas centrifuges  
Centrifuge rotor valves are defined as thin-walled cylinders described in point 5.1.1.1 of Annex of decree on selected items in the nuclear area.  
Gas centrifuges are defined as centrifuges described in point 5.1 of decree on selected items in the nuclear area.
- (II) Manufacture of diffusion partitions  
Diffusion partitions are defined as thin porous filters described in point 5.3.1.1 of decree on selected items in the nuclear area.
- (III) Manufacture or installation of systems based on laser technology  
Systems based on laser technology are defined as systems including items described in point 5.7 of decree on selected items in the nuclear area .
- (IV) Manufacture or installation of electromagnetic isotope separators  
Electromagnetic isotope separators are defined as items listed in point 5.9.1 of decree on selected items in the nuclear area containing ion sources described in point 5.9.1.1 of decree on selected items in the nuclear area.
- (V) Manufacture or installation of columns or extraction equipment  
Columns or extraction equipment are defined as items described in points 5.6.1, 5.6.2, 5.6.3, 5.6.5, 5.6.6, 5.6.7, and 5.6.8 of decree on selected items in the nuclear area .
- (VI) Manufacture of aerodynamic separation nozzles or vortex tubes  
Aerodynamic separation nozzles or vortex tubes are defined as separation nozzles or vortex tubes described in points 5.5.1, or 5.5.2 of decree on selected items in the nuclear area.
- (VII) Manufacture or installation of uranium plasma creation systems  
Uranium plasma creation systems are defined as systems for the creation of uranium plasma described in point 5.8.3 of decree on selected items in the nuclear area.
- (VIII) Manufacture of zircon tubes  
Zircon tubes are defined as tubes described in point 1.6 of decree on selected items in the nuclear area .
- (IX) Manufacture or modification of heavy water or deuterium  
Heavy water or deuterium is defined as deuterium, heavy water (deuterium oxide) and any other compound of deuterium that has a ration of deuterium atoms to hydrogen atoms greater than 1: 5000.
- (X) Manufacture of nuclear grade graphite  
Nuclear grade graphite is defined as graphite with a purity level greater than 5 ppm boron equivalent and with a density greater than 1.5 g/cm<sup>3</sup>.

- (XI) Manufacture of containers for irradiated fuel  
A container for irradiated fuel is defined as packaging for transport and/or storage of irradiated fuel that ensures chemical and thermal protection and protection from ionising radiation and conducts away heat of decay during handling, transport, and storage.
- (XII) Manufacture of nuclear reactor control rods  
Nuclear reactor control rods are defined as rods described in point 1.4 of decree on selected items in the nuclear area.
- (XIII) Manufacture of tanks and containers protected from achieving criticality  
Tanks and containers protected from achieving criticality are defined as items described in points 3.2 and 3.4 of decree on selected items in the nuclear area .
- (XIV) Manufacture of machines for chopping irradiated fuel elements  
A machine for chopping irradiated fuel elements is defined as a device described in point 3.1 of decree on selected items in the nuclear area.
- (XV) Construction of hot cells  
Hot cells are defined as cells or interconnected cells with a total volume of at least 6 m<sup>3</sup> with shielding corresponding to 0.5 m of concrete and with density of 3.2 g/cm<sup>3</sup> or greater, equipped with remote handling equipment.