

Content of the documentation required to grant AUTHORIZATION FOR TRANSPORT OF RADIOACTIVE MATERIAL

According to the Act no. 87/2018 Coll. On Radiation Protection

Characteristics of the planned transport activities and description of the technical equipment (Charakteristika plánovanej činnosti vedúcej k ožiareniu a popis technického vybavenia)

- activities of the company connected with the use of ionizing radiation/radioactive materials
- characteristics of the planned exposure situation connected with transport of radioactive material
 - list of UN numbers to be transported
 - expected type of transported radioactive material and its activity, physical and chemical form
 - list of transport packages used for transport (according to ADR package types)
 - description of optimization of radiation protection for all activities connected with transport of radioactive materials (§ 55 sec. 2 lett. b)
 - categorization of workers related with occupational exposure (§ 55 sec. 2 lett. c)
 - Provisions for continuous radiation protection surveillance (§ 55 sec. 2 lett. e)
 - designation of radiation safety advisor (radiation protection officer) and determination of his/her tasks and responsibilities (§ 42)
 - designation of necessary number of persons directly responsible for radiation protection and determination of their tasks and responsibilities, justification of their number (§ 43, § 56 sec. 4)
 - description of tasks and responsibilities of other persons participating on the transport of radiative materials (vehicle crew)
 - description of dosimetric equipment used for ensuring of radiation protection during the transport (in conformity with the Transport emergency response plan) (§ 55 sec. 2 lett. g)
 - description of personal protection aids and protection working tools (§ 55 sec. 2 lett. h)
 - description of education, informing and training of workers/crew participating on transports (§ 55 sec. 2 lett. i), § 41)
 - description of ensuring of medical care (§ 55 sec. 2 lett. j), § 71)
 - information if subcontracting of other carriers for transport or providing transport services for other companies is applicable

Justification of the transport of radioactive material (Odôvodnenie prepravy)

- justification of transport of radioactive material as an activity leading to exposures
- evaluation of radiation risk and occupational exposure arising from transport related activities (§ 55 sec. 2 lett. a)

Transport Order and radiation protection measures (Prepravný poriadok a opatrenia na zabezpečenie radiačnej ochrany)

- company's General Transport Regulations for governing the conditions of transport of radioactive material
 - type and mode of the transport used
 - position of the company (carrier/consignor/consignee)
 - description of preparation of the package for transport
 - description of sending of the package
 - description of package loading, reloading and unloading

- description of storage of the package during the transport
- description of route selection
- notification process of the shipments to the authorities
- description of handling with denied and delayed packages, choice of temporary storing (safe heaven) for such cases
- description of general security measures applied during the transport (§ 84 *Plán zaistenia bezpečnosti*), separate Transport Security Plan to be attached
- description of responsibilities if another carrier is subcontracted or transport is offered as service for third party
- description of radiation protection measures during the transport
 - normal conditions during the transport
 - exclusive use transports
 - contamination checking; dosimetry

Description of the technical equipment for ensuring the transport including the equipment for shipment loading and unloading (*Opis technického vybavenia na zabezpečenie prepravy vrátane nakladania a vykladania zásielky*)

- types of the vehicles to be used
- types of the transport packages according to ADR
- technical equipment of the vehicle
 - vehicle placarding,
 - ADR equipment
- communication equipment
- dosimetric equipment

Risk evaluation based on transported radioactive material, means of transport and route (*Hodnotenie rizík vyplývajúcich z charakteru prepravovaných rádioaktívnych látok, spôsobu a trasy prepravy*)

- description of methods for risk evaluation
- identification of risk causes during the transport, their consequences and risk
 - vehicle technical failure
 - traffic accident
 - damage of the package during manipulation (loading, re-loading, unloading)
 - theft of the vehicle with radiative material
 - theft of radioactive material from the vehicle
 - radioactive material loss during the transport
 - other (if applicable)
- final evaluation of the total risk

Transport Emergency Response Plan (*Havarijný plán na prepravu*)

- management of the emergency exposure situation
- analysis of possible emergency situations during the transport based on “*Risk evaluation*”
 - emergency situation without radiation consequences
 - radiation emergency situation (radiation anomaly, radiation incident or radiation accident)
- Description on warning and informing workers and citizens:
 - notification, warning, response and reporting
- measures on elimination of radiation exposure of workers and citizens at the emergency site
- medical care plan

- methods and measures on localization of radiation emergency event and elimination of its consequences
- list of auxiliary and dosimetric equipment,
- radiation levels for activation of counter-measures,
- description of methods for control and elimination of possible emergency situations
- technical equipment and methods for evaluation of consequences of emergency situation
- radiation monitoring of persons working on elimination of radiation emergency situations
- frequency of planned emergency situation trainings
- important phone contacts (radiation protection authorities, radiation safety advisor, rescue)
- brief instructions for possible emergency situations (recommended to be placed in a vehicle)

Transport packages certificates (Doklady o obalových súbороch)

- list of the types of transport packages
- copies of the Approvals of package designs (type B(U), B(M), C) or copies of documentary evidence of the compliance of the package design with all the applicable requirements (type A, IP)

List of vehicles and copies of vehicle registration certificates

- list of all vehicles to be used (type, model, plate number)
- Attach a copy(ies) of valid technical certificates of the vehicles

List of qualified drivers and copies of their ADR certificates

- list of the ADR class 7 drivers
- copies of the ADR driver training certificate (class 7)

Radiation Protection Officer

- copy of the certificate of the radiation protection officer for transport of radioactive material (not interchangeable with Dangerous Goods Safety Advisor)

Transport Security Plan

- categorisation of transported radioactive material (1-5)
- description of the means of the transport of the radioactive material and of the route planning
- aims of the radiation safety plan for transport
- description of security measures and technical elements for ensuring the security
- description of administrative measures on ensuring the security of radioactive materials in transport
- description of sensitive information management
- description of measures in the periods when threat of radioactive materials theft or misuse is increased
- designation of person responsible for ensuring of the security of the radioactive materials during the transport