

KAKO OCENITI RIZIK U TRANSPORTU OPASNE ROBE

Student: Stefan SREDOJEVIĆ¹
Mentor: Branislav BOŠKOVIĆ²

***Abstract** – Civilizational pursuit of social progress is conditional on technological developments. Modern technological innovations require that dangerous goods make up a significant share of production and transport capacities. With the introduction of new technologies, the need for additional resources is growing, which is reflected in the increase in the transport of dangerous good. Therefore, there is a need for risk assessment in the transport of dangerous goods.*

The diploma thesis describes how to perform a harmonized risk assessment in the transport of dangerous goods and provides a general description of the harmonized method of risk assessment and all the necessary information to describe the risk situation being assessed. To describe each risk situation, information is used relating to the description of the transport infrastructure and the transport operation in which the transport infrastructure is considered, the description of the transport of dangerous goods, then the description of critical points and the description of hazards and reference scenarios for dangerous goods. Established a complete multimodal approach to the description given situation risk management is explained how that is done every step of the risk assessment as accurate as possible, taking into account the state of the art techniques, the restrictions relating to the availability of relevant data and goals in connection with the case of decision-making.

Through the examples of the Naftna industrija Srbije, the way of risk assessment and management in the company is shown. Dat is a register of identified HSE risks related to the exploitation of railway transport means and associated railway equipment and a proposal to prevent the fall of workers handling the loading racks.

Keywords – *dangerous goods, risk, transport, European Union Agency for Railways.*

¹ Faculty of Transport and Traffic Engineering, University of Belgrade, Serbia, stefansredojevic09@gmail.com

² Faculty of Transport and Traffic Engineering, University of Belgrade, Serbia, b.boskovic@sf.bg.ac.rs

THESE ARE EXTRA PAGES