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## **INNOVATIVE METHOD FOR THE EVALUATION OF PROFESSIONAL RISK DURING CONTROLLED DEMOLITION WITH EXPLOSIVES OF CIVIL USE**

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### **Abstract**

This paper presents an analytical approach to the evaluation concept of professional risk specific to activities of controlled demolition with civil use explosives of industrial/civil objectives, ensuring the appropriate level of safety to the effects generated by performing blasting to these types of constructions. The scientific research highlighted in this article was performed within the Project PN 7:45 1:28 in the frame of The National Programme for Research and Development CORE/2014. The main purpose of evaluating occupational risk is to prevent the likelihood of injuries and occupational diseases. When there is no any possibility to eliminate the risks, it is mandatory to reduce it up to the level of residual risks, which must be adequately controlled.

*Key words:* blasting operations, demolition activity, explosives for civil use, risk assessment, technical demolition documentation

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