

## **SUMMARY**

The doctoral dissertation, titled "The Tool of the Rescue Operations Manager", in its intention is concerned with the identification of problems in the management of rescue operations. The author, despite his extensive operational experience, wanted to thoroughly study the literature on the subject and, on the basis of empirical research, find out whether the problems he defined in his observations are the same as those of other rescue operations managers in the Opole province. Then, on the basis of theoretical and empirical knowledge, the author proposed the concept of tools that could support the rescue manager in the process of decision-making and directing rescue operations.

As part of the dissertation, the author made an in-depth analysis of formal and legal issues related to directing rescue operations. Studying the issues related to directing rescue operations, he also analyzed the documentation prepared and used by the KDR, the process of evaluating rescue managers, but the most important element that allowed the author to develop this dissertation was the observation and survey of a group of respondents.

Appropriate to the subject and the purpose of the research, the main research problem of the dissertation was defined by the question: What tools should the emergency manager have at his disposal to improve the decision-making process?

The reason why the author undertook the writing of this dissertation was due to his professional experience while serving in the National Fire Service and the conclusions of many complex and lengthy rescue operations in which he participated. The author's previous experience and the observation process conducted led to the conviction that it is necessary to study the area related to the tools of the rescue operation leader, and the conclusions of this research will allow to propose specific solutions. In the opinion of the author of the dissertation, the tools presented in the concept will certainly contribute to the improvement of the decision-making process, significantly improve the quality of the documentation produced, but also allow to objectively evaluate the rescue manager.

The dissertation consists of an introduction, conclusion and conclusion, and four substantive chapters:

1. Chapter 1 Methodological Basis of Research,
2. Chapter 2 Emergency Management,
3. Chapter 3 Needs of the Emergency Manager,
4. Chapter 4 Improving the Decision-Making Process of the Emergency Manager.

Chapter one presents the research problem with the main hypothesis and specific hypotheses. The subject, field area and limitations of the research are presented. The empirical and theoretical methods, techniques and research tools the author used during his research are also introduced. An important part of Chapter One is also a detailed characterization of the group of respondents surveyed.

In the second chapter, the author focused on the analysis of the legal basis related to the management of rescue operations. An in-depth analysis of the levels of directing rescue operations was made. The author of the dissertation also presented the scope of documentation that the rescue manager is required to make at the scene of an incident and the documentation he is required to use during rescue operations. To show how complicated is the management of rescue operations at the tactical and strategic levels, the author also presented the staff, which at higher levels of management is a great support to the KDR. To comprehensively discuss the issues related to directing rescue operations, the author also presented the process of analyzing incidents, in which the rescue manager is the evaluator. The author of the dissertation, on the basis of conclusions from the analysis of rescue operations in the Opole province for the last 9 years, presented the problems with which rescue operations managers had to deal. The problems in question had a direct impact on the evaluation of the actions taken at the scene of the incident.

The third chapter is the empirical part of the work, covering the author's own research, which helped him develop the concept of tools for the rescue manager. The conclusions of the survey very accurately allowed the author to determine the needs of rescue managers in terms of the tools they would like to have at the scene of an incident.

In the fourth chapter, the author, based on his own experience, observations but also surveys, presented the concept of two applications necessary in the process of directing rescue operations. One of the applications is a rescue plan containing all the

rules, procedures and documents necessary from the point of view of conducting rescue operations. The second of the applications presented by the author is a mobile staff application supporting the rescue operation commander on the scene in terms of calculating forces and resources, building communications, proper supervision of forces and resources through real-time viewing on a map and preparing the necessary documentation on the scene.

The dissertation is a kind of compilation and review of knowledge in the field of the subject under discussion, and is a comprehensive collection of exhaustive content relating to the management of rescue operations. The analysis of the literature made it possible to create a work that is compact, innovative and exhaustive of the main research objectives.