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### **Streszczenie pracy doktorskiej**

## **ORGANIZACYJNO-FUNKCJONALNE ASPEKTY WSPÓŁDZIAŁANIA FUNKCJONARIUSZY ORAZ WOLONTARIUSZY OCHRONY PRZECIWPOŻAROWEJ W ZARZĄDZANIU KRYZYSOWYM**

### **Summary**

#### **ORGANIZATIONAL AND FUNCTIONAL ASPECTS OF CO-OPERATION BETWEEN FUNCTIONALS AND VOLUNTEERS OF FIRE PROTECTION IN CRISIS MANAGEMENT**

The target of work is developing the methodology of diagnosing and designing a crisis management model, in addition to creating new directions of improvement of KSRG in the area of organizational and functional cooperation of officers as well as fire protection volunteers.. This subject deserves early and comprehensive presentation what was demonstrated by promising experiences of other countries.

The work presents the conditions of two basic rescue systems, fire system and the medical system. In the studied countries the rescuers' operations are based on cooperation, with significant use of the potential of non-profit organizations.

The doctoral dissertation begins with the considerations of management and cooperation, its essence and the reasons for their development. The forms and scope of cooperation between the various elements of the system were presented. This chapter is essential for identifying future directions for changes in organizational and functional aspects of interaction.

The next part of the dissertation deals with crisis management characteristics. This has been done in two planes. The first presents the authorities of the state participating in the discussed administration. The second presents the security aspects as well as sources of threats and their consequences for the country. An important element is the description the critical infrastructure of the state.

The third part of the dissertation discusses the methodology of crisis management research. There are presented both the historical outline of the development of rescue systems and the role and tasks of the National Rescue and Fire

Fighting System as well as the areas of strategic development of the investigated subject. The fourth chapter of the dissertation contains an analysis of selected organizational and functional aspects of cooperation in crisis management system solutions. The scope of the resilience of rescuers in Germany, Austria, France, England, USA, Russia and Japan has been identified. Comparative analysis of the examined system solutions was carried out, and their benchmarking capabilities were determined by the KSRG.

The last part of the dissertation contains the structure of the organizational and functional system of cooperation between officers and volunteers in the crisis management model. The quantitative and qualitative conditions of the interoperability system are described. They are based on flexibility depended on the type of events and capabilities of the PRM system. The exact direction of benchmarking of organizational and functional solutions was identified and analyzed in terms of the interaction of officers and fire protection volunteers. In this regard, the necessary changes have also been proposed.

**Keywords:** management, crisis management, system, network conditioning, cooperation

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