

Summary of the doctoral dissertation entitled: The concept of improving the organization of the cybersecurity system of the Republic of Poland”

State cybersecurity is the process of ensuring the safe functioning of the state as a whole in cyberspace, its structures, natural and legal persons and persons without legal personality, as well as information resources and ICT systems in cyberspace. State security in cyberspace is ensured through an organized security system, addressing the relevant aspects of each of the security sectors and cybersecurity as a of trans-sector security category.

The subject of the dissertation's research is the organization of the cybersecurity system of the Republic of Poland, defined by legal regulations and strategic documents of state security, in the field of: organization of cybersecurity management at the national level, organization of management structures and operational relations, selection of sectors and types of entities, and indication of norms, methodologies and standards of ICT security management systems for entities of the cybersecurity system. The main aim of the dissertation is to develop a concept for the improvement of the organization of the cybersecurity system of the Republic of Poland in order to improve its efficiency and increase the security of the state.

The dissertation consists of an introduction, a methodological chapter, five substantive chapters, a summary and an ending. The first chapter is devoted to methodological issues. The second chapter discusses the essence and concepts of national security and cybersecurity, analyzes the actual state of security of Polish cyberspace, as well as analyzes legal regulations and security strategic documents in the context of cybersecurity. The third chapter is devoted to the issues of organizing cybersecurity management at the national level, the fourth chapter is devoted to the organization of structures and operational relations of cybersecurity management at the national level, the fifth chapter addresses the issues of the selection of sectors and types of cybersecurity system entities, the sixth chapter covers the issues of normative ICT security solutions for cybersecurity system entities. The summary presents in a condensed form the activities carried out within the framework of chapters two to six, together with the presentation of the developed solutions. The ending contains summary conclusions and recommendations for further research.