

## **Summary**

**Title of doctoral dissertation:** The military transport system as an element of Poland's military security

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**The aim of the work** is to identify and assess the impact of the military transport system on the military security of Poland. This system was considered as one of the subsystems of the logistics system of the Polish Armed Forces, which is of great importance for the possibility of carrying out military tasks, both in times of war and crisis, as well as in peacetime. As part of the analysis, the author has developed an extensive theoretical part, which introduces the subject of military security in Poland, the transport needs of the Polish Armed Forces and the functioning of the military transport system. The second part of the doctoral dissertation is the research part, in which the results of research on the assessment of the functioning of the military transport system and the concept of its improvement are presented. According to the author, the use of modern solutions in this area may contribute to increasing Poland's military security.

**The research methods** used in the work are the method of analysis, the method of synthesis and the method of diagnostic survey. As part of the latter, the survey technique and the interview technique were used. The research subject was all organizational units of the military transport system and persons responsible for the planning, organization and implementation of military transport. Based on the observations and opinions expressed by the above-mentioned entities and on the basis of original ideas, the modeling method was used, under which the target concept of the functioning of the military transport system was created.

**The results of the study** allowed the detection of many imperfections in the functioning of the military transport system in each of the analyzed areas, which was the transport fleet, personnel, technologies, management and communication. Specific problems were listed and an attempt was made to develop solutions to eliminate them.

**The final conclusions** indicate the need for changes in the military transport system. According to the author, it is worth taking into account technological progress

in this process and implementing solutions based on the use of artificial intelligence and the Internet of Things. All this can significantly improve the functioning of the system, and thus increase Poland's military security. The main hypothesis put forward in this dissertation has been confirmed. According to its wording, the equipment, organizational structure and functioning of the military transport system is a determinant of the Poland's military security.

**Keywords:** military transport system, military security, Polish Armed Forces, military transport and movement subsystem, modernization of the Polish Armed Forces