

REVIEW

by Prof. Dr. Nadia Dimitrova Mironova

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of dissertation for awarding the educational and scientific degree "Doctor of Science" in the field of higher education 3. Social, economic and legal sciences, Professional field 3.8. Economics

Author: Tadeusz Olejaj

Topic: FINANCIAL EFFICIENCY OF THE LOGISTICS OF THE POLISH ARMY

1. General description of the submitted materials

By order № 27 / 02.2021 of the Rector of VUZF Assoc. Prof. Dr. Grigoriy Vazov I was appointed a member of the scientific jury under the procedure for defense of dissertation on "FINANCIAL EFFICIENCY OF LOGISTICS INSURANCE IN POLISH REGION". Social, economic and legal sciences, Professional field 3.8. Economics.

I present this review in accordance with Minutes 1 of a meeting of the scientific jury, at which I was appointed as a reviewer of the dissertation.

The dissertation is presented in 256 pages, 18 figures and two tables. The dissertation is structured in an introduction, five chapters and a conclusion. The structure meets the requirements. Its individual parts are balanced in content and are logically connected.

According to the presented inventory, the accompanying materials submitted for review contain:

- dissertation in Russian
- abstract in Bulgarian and Russian
- summaries of publications in Bulgarian and Russian

- reference to the citations
- reference to national minimum requirements
- reference for the contributions
- publication files
- CV

The doctoral student has presented 3 monographs, 7 chapters from study monographs and 33 scientific articles.

The attached documents fully meet the requirements and provide an opportunity to thoroughly assess his scientific achievements and contributions.

The dissertation consists of 297 pages, of which 277 pages are body text and 18 pages are appendices. The main text contains 7 figures and 13 tables.

2. Brief biographical data about the doctoral student

Tadeusz Olejaj is a current assistant at the Technical University of Rzeszów, Faculty of Management, Department of Management and Logistics Systems. He worked as an inspector for defense training and crisis management - Tyczyn Municipal Service; Security Coordinator of the Agency for Protection of Vehicles and City Security; Rzeszów military unit, position: head of the material section and other positions in the military unit in Rzeszów. He has participated in peacekeeping missions:

- 06.2005-02.2006 Stabilization Mission of IRAQ - Chief of S 4 - Chief of Brigade Logistics,
- 06.2000 - 08.2001 KFOR Kosovo, position - Head of Logistics Materials Section,
- 03.1996-03.1997 UNDOF Syria / Israel, position - logistics supply officer, for which he was awarded many times.

Graduated economist at the University for Quartermaster Services Officers, specialty; military mass nutrition. Master's degree from the Warsaw School of Economics, Cooperative and Economic Department, specialty; "Economics and organization of trade in goods and services."

He holds a PhD from the University of Rzeszów, Faculty of Sociology and History with a dissertation entitled "History of Land Forces Logistics in 1944-1988 on the Example of the 9th Department". He has postgraduate studies at the University of Socio-Economics, specialty; sociology in crisis management.

3. Topicality of the topic and expediency of the set goals and tasks

The relevance of the dissertation is related to the transformation of the Polish army in connection with the country's membership in NATO. This caused many radical changes in the organization and functioning of the Polish army: different supply standards, new types of logistics, as well as changes in the procedures in the process of supplying troops. All these factors have a serious impact on the efficient functioning of the logistics system for the supply of troops, including the management of military reserves, which requires the formation of a complete new concept for the logistics system and increase its efficiency. These issues have not been studied in depth, but are extremely important for the management of changes in their systemic connectivity: logistics, finance, organization. There is a lack of in-depth research on this topic in the studied literature. Issues related to the military usually relate to military affairs and security, and are very rarely examined in terms of their economic and financial aspects. The author has made an independent study in this direction, which makes the work useful and relevant. Additional relevance of the topic can be found in the models and patterns that can be applied to any army in transition to NATO standards.

4. Knowledge of the problem

As can be seen from the doctoral student's biography, he has extensive experience in economic and logistical services of the Polish army. This knowledge of the problems in the field of military affairs "first hand" is evident in the whole dissertation. In addition to his personal observation and empirical experience, the author used in his study 204 literary sources, which are correctly cited in 403 citations. A significant part of the cited sources are laws and official documents, which shows that the doctoral student skillfully combines the legal and institutional framework of reforms in the Polish army with economic and military issues. An in-depth analysis of the legal framework of the logistics of the Polish army in dynamics has been performed. The factors for the economic efficiency are also studied in comparative and retrospective aspect.

5. Research methodology

The aim of the work is to analyze the financial efficiency and assess the capabilities of the logistics services of the armed forces for the logistics of the troops.

To achieve it, the doctoral student has set the following sub-goals:

1. Implementation of the synthesis of the current state of knowledge in the field of ensuring the efficiency of the functioning of the logistics system of the Armed Forces of Poland.
2. Analysis of the effectiveness of the use of the established organizational tools and concepts that are the basis for building a logistics system.
3. Identification of gaps in determining the factors that determine the effectiveness of the logistics of troops outside the country.
4. Getting acquainted with the opinion of representatives of the divisions that provide logistics, as well as the insured units in the field of establishing and controlling the conditions that affect the efficiency of logistics processes.
5. Determining the type of impact of key factors on the level of efficiency and logistical protection.

To achieve the goals, the following hypotheses have been tested and confirmed by applying correct scientific methods:

Hypothesis 1. The logistics system of the Polish Armed Forces does not fully meet current needs.

Hypothesis 2. The constant revision and improvement of the norms and standards for logistical support of the Polish army must be an integral part of the budget process and the development of budget norms.

The study was conducted with limitations: emphasis on the problems related to the efficiency of logistics security, the nature and importance of the individual subsystems of logistics of the Armed Forces of Poland.

The subject of the dissertation covers the theoretical and practical aspects of the financial efficiency of the functioning of the logistical support of the Polish army in the country and abroad. The subject of the study are the logistics authorities, as well as the forces and resources available to the Polish Armed Forces for logistics. The subject range covers professional soldiers and civilian

employees of the army, providing logistics, as well as professional soldiers and employees of units for which the logistics is provided. The work also uses case studies from individual NATO member states.

To solve the tasks of the research, the author skillfully uses the following research methods:

1. Methods - approaches: systematic approach, enriched with functional and structural approach, as well as expert mathematical methods.

2. Methods - research tools:

a. empirical: scientific observations and methods of research and judgment (opinion),

b. theoretical: analysis and summary of the literature and normative documents, available materials, including literature related to the research tasks and existing assumptions and draft concepts, as well as summaries, comparisons, analytical and statistical data.

The scope of the research includes knowledge of NATO's current procedures and organizational requirements for logistics, including Polish army logistics. It also includes the editing of the conclusions made on the basis of the analysis of the logistical requirements in the field of logistics provision and the real possibilities for the logistics provision of these forces in activities outside the country. In the course of this work, the author uses the suggestions of experienced officers from the logistics department of the command at various organizational levels of the army.

6. Characteristics and evaluation of the dissertation

The structure and scope of the dissertation are determined by the purpose and methodology. From a methodological point of view, the dissertation is built on a chronological basis.

The work consists of an introduction, five main chapters and a conclusion. The first section presents the development of logistics throughout history from antiquity to the twentieth century - this is an introduction to the problems of logistical support of the operational activities of the armed forces. The military, like any other field of human activity, is subject to general development from simple to complex. Military development is seen as a process of constant change.

The second section presents the concept of the rationing system, characterizes the principles of planning material needs, the importance of rationing in the economy, type these norms and

standards, the methods for their development, application and improvement, as well as the economic and financial aspects of military logistics.

The third section presents the results of an empirical study of the financial efficiency of a functioning military logistics system, using the example of regional logistics bases (RLB) and military-economic sectors (VIO). This section also introduces the principles of financial planning and the responsibilities of officials in this regard. It is proposed to optimize the stationary logistics potential of the Inspectorate for Provision of the Armed Forces (IOFS) and to adapt the logistics structures at the operational level to the needs of the provided troops. The proposed changes are related to the development of logistics capabilities, mainly in the field of ensuring the continuity of logistics and cooperation with multinational logistics.

The fourth section presents the legal basis for UN and NATO peacekeeping missions, as well as the legal basis for the participation of military personnel and units of the Polish armed forces in peacekeeping missions, as well as a description of the material and technical factors of security of units performing tasks in peacekeeping missions. .

The fifth section contains the results of the research regarding the needs and possibilities of the logistics provision, including: material support, especially in connection with the recruitment and delivery of orders, as well as household activities; Technical Support. Described as factors are the maintenance of equipment and the achievement of interoperability with other armies of NATO countries as a result of the use of different types of weapons and military equipment in the Polish armed forces; medical assistance to perform tasks adapted to NATO requirements and in accordance with their procedures; management of the logistics contingent in a peacekeeping mission, taking into account the organizational changes in the logistics structures; the pavilion for financing the costs related to activities outside the country, with an emphasis on financial planning, financial management and dissemination of accounting documents.

7. Contributions and significance of the development for science and practice

In solving the research problem in the dissertation are adapted and applied a variety of theoretical and empirical methods, namely: critical analysis of the literature, systems analysis, institutional analysis, comparative analysis, observation of participants, synthesis, summary, descriptive modeling, mathematical methods and conclusions . This fact gives me reason to acknowledge the

theoretical and methodological contribution of the dissertation. In addition, the dissertation expands the current knowledge in several scientific fields, namely by setting new models of relations between the organization and management of the army, economy, finance and logistics; collects and systematizes specific and up-to-date information on the issues discussed.

The obtained results and the conclusions made have a significant practical contribution in the process of transformation of the Polish army, as well as for all armies in transition.

8. Evaluation of the publications on the dissertation

The presented publications related to the dissertation work fully meet the requirements for number, type and place of publication. It is positive that 13 publications are in world indexed editions - Scopus and WoS. Three monographs are presented, each of which contains information related to the dissertation. Some of the essential characteristics of the presented publications can be summarized as follows:

The publications are up-to-date and cover mainly the last four years, based on the analysis of new literature sources and empirical data.

The presented evidence for citation proves the methodological and practical contributions and results of the doctoral student's research.

The topic of the publications is focused on the individual aspects of the dissertation, which not only summarizes the publications, but builds on the achieved scientific results in the individual publications.

A significant part of the publications are the result of participation in scientific conferences, seminars and round tables. I accept this fact as proof that the main approaches, methods and results of the survey are shared and commented by the scientific community. The publications are in referenced collections and journals and are located in a prominent place in the information research field.

9. Assessment of compliance with the minimum national requirements

It is evident from the attached Reference for fulfillment of the minimum national requirements that the academic achievements of the candidate significantly exceed the minimum required for obtaining the scientific degree "Doctor of Sciences" in the professional field 3.8. Economics. There

is an excess of the minimum requirements in all indicators. The citations in 13 publications in Scopus are impressive. After checking the data in the report, I realized that what was declared by the author corresponds of the truth and I accept his claims of achievement without reduction.

10. Personal participation of the doctoral student

Given the author's personal experience in the practice of the Polish Armed Forces and the scientific community's assessment of his research, which we can establish by quoting and publishing his research, I believe that the research is the author's personal scientific achievement. I do not find similar research or coincidences with the texts of the dissertation.

11. Abstract

The abstract reflects correctly and accurately the content of the dissertation. The accents are presented and the important results and conclusions are emphasized. The content of the abstract does not copy the dissertation, but is presented in its logic and internal connections.

12. Critical remarks and recommendations

I have the following recommendations for the doctoral student:

- To explicitly define the basic terms used, especially due to the fact that he writes and defends in a language foreign to him and to the scientific jury.
- Distinguish objectives from instruments and contributions from the results of your research.
- To redefine its contributions in view of the generally accepted criteria for contributions in the three areas: scientific, methodological and applied.
- To summarize the information from theoretical considerations and approaches in more tables and diagrams when publishing your dissertation.

13. Personal impressions

I have no personal impressions of the doctoral student.

13. Recommendations for future use of dissertation contributions and results

The dissertation covers the problems related to the efficiency of logistical security, the nature and importance of the individual subsystems of the logistics of the Armed Forces of Poland.

Subsequent research should focus on the logistical support of the multinational armed forces, with particular emphasis on the procedures for planning, managing and organizing logistical support for coalition operations. In the presented study, this issue is not analyzed due to the multidimensionality of modern international military logistics, which covers many areas that are key to the proper functioning of military units and institutions.

CONCLUSION

The dissertation contains scientific, scientific-applied and applied results, which represent an original contribution to science and meet all the requirements (s) of the Law for the Development of the Academic Staff in the Republic of Bulgaria (ZRASRB) and the Regulations for application of ZRASRB. The presented materials and dissertation results fully comply with the specific requirements of the Regulations for admission and training of doctoral students at the Higher School of Insurance and Finance.

The dissertation shows that the doctoral student Tadeusz Olejaj has in-depth theoretical knowledge and professional skills in Professional field 3. 8. Economics, demonstrating qualities and skills for independent research.

Due to the above, I confidently give my positive assessment of the research presented by the above peer-reviewed dissertation, abstract, results and contributions, and I invite the esteemed scientific jury to award the educational and scientific degree 'Doctor of Science' to Tadeusz Olejaj in of higher education 3. Social, economic and legal sciences; Professional field 3. 8. Economics.

April 12, 2021. Reviewer:

Prof. Dr. N. Mironova