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*Bilomistna I.I.,  
Cand. Sci. (Econ.), Assoc. Prof., assistant professor  
of finance and economic security  
Bilomistnyi O.M.,  
Cand. Sci. (Econ.), Assoc. Prof., assistant professor  
of finance and economic security  
Luniova I.A.,  
Kharkiv Institute of Banking of the University  
of Banking of the National Bank of Ukraine*

## FINANCIAL SECURITY OF BUSINESS ENTITY BASED ON LOGISTICS

**Statement of the problem.** The company may turn out to be in a crisis condition at each stage of the life cycle, which means both profits and losses for a business entity. Unprofitable enterprises may suffer protracted and, consequently, may become bankrupt. To eliminate the threat of financial security company should determine the reasons because of which the company suffers losses, and necessary ways to eliminate them. In today's market environment the logistic processes becoming widespread. Although warehousing logistics is one of the best choices ensure financial security of business entity.

The development and use of effective methods and forms of strategy for financial security becomes increasingly relevant in today's business environment. Proceeding from the fact that the object of research is an entity, which actively using and developing the technologies for warehouses and processing of grain, we decided that warehousing logistics is the most appropriate direction ensuring the financial security.

**Analysis of recent research and publications.** Problems of logistics warehousing regarding to financial security were viewed recently. In the writings of such researchers as Bilyk M. [1; 2; 3], Demchenko I. [5], Dybska V. [6], Zaytseva E. [6] etc. are given the explanations of the formation and optimization of logistic processes, although given the examples of the implementation of logistics warehousing in enterprises in order to support the optimal level of financial security. But there's no consensus of improving the financial security through logistic process in warehouses, as a way to ensuring the financial security of the company, has not been studied appropriately.

**The aim of the article** is to investigate the ensuring financial security of a business entity based on warehousing logistics. The achievement of this aim is carried out by theoretical analysis, taking into account the practical matters in this sphere.

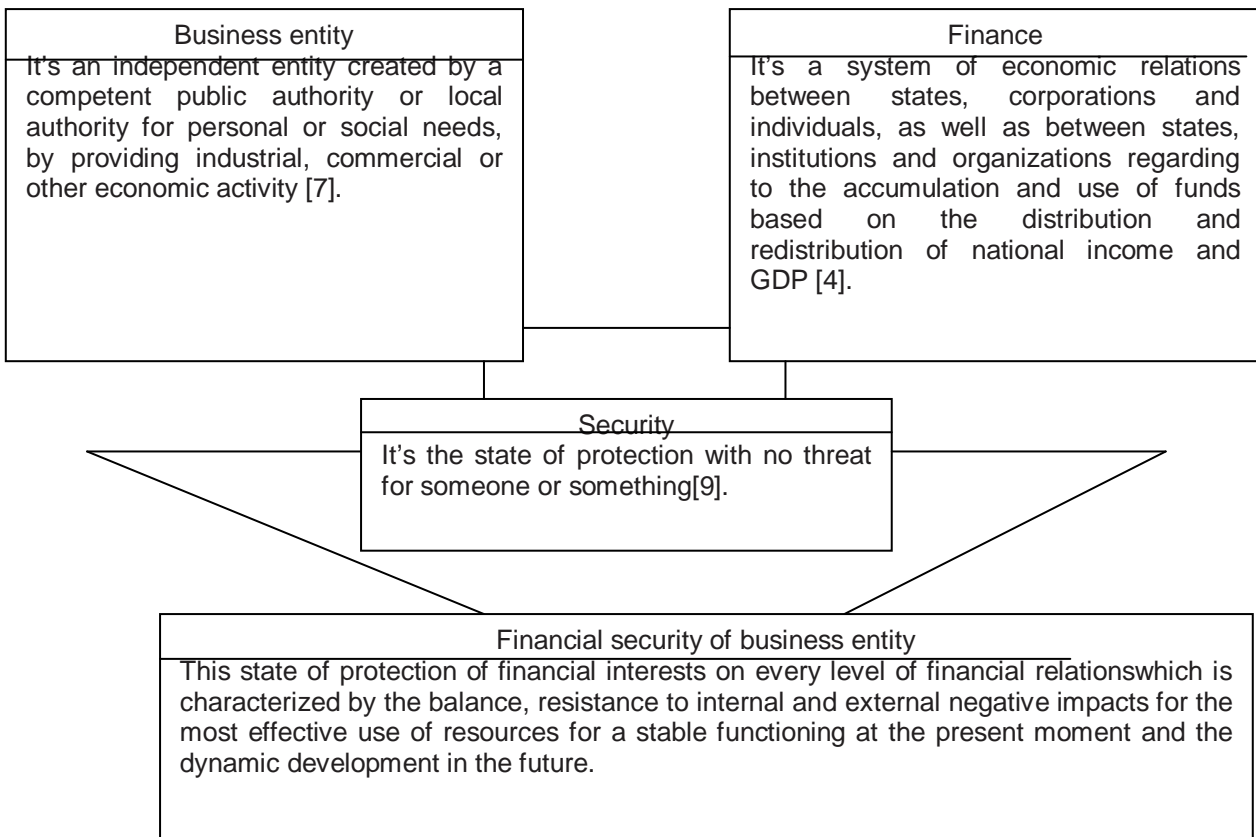
**Presentation of the basic material.** The question of financial security of business entity is becoming the most topical at the stage of economic development in terms of overcoming the consequences of the financial and economic crisis. The issue of strategy development financial security of agricultural entities Ukraine is relevant at this time because of weakly protected enterprise sector from external and internal threats. Consequently guaranteeing protection of economic interests of Ukraine will be possible only under conditions ensuring an adequate level of financial security domestic entities agriculture entity by developing strategies to ensure financial security.

The research considers the definition of financial security, which is in the following hereinafter (Fig. 1).

Based on the fact that the object of study was chosen of rural economy, which is facing its activities with warehouses, as it is the developer of technologies for the storages and processing of grain, warehousing logistics is the most appropriate direction to ensure financial security.

The value of the logistics process for the competitive position of companies is undeniable, as it is a tool to rationalize and reduce costs. Rationalization and minimization of costs has the positive impact on the financial security of the company, so it may be argued that logistics is one of the efficient ways to ensure financial security. The main task is to develop logistics carefully

balanced and reasoned proposal, which would help to achieve maximum efficiency of the company, increasing its market share and gaining advantage over competitors.



**Fig. 1. The definition of "financial security of business entity"**

*Source: developed by the authors*

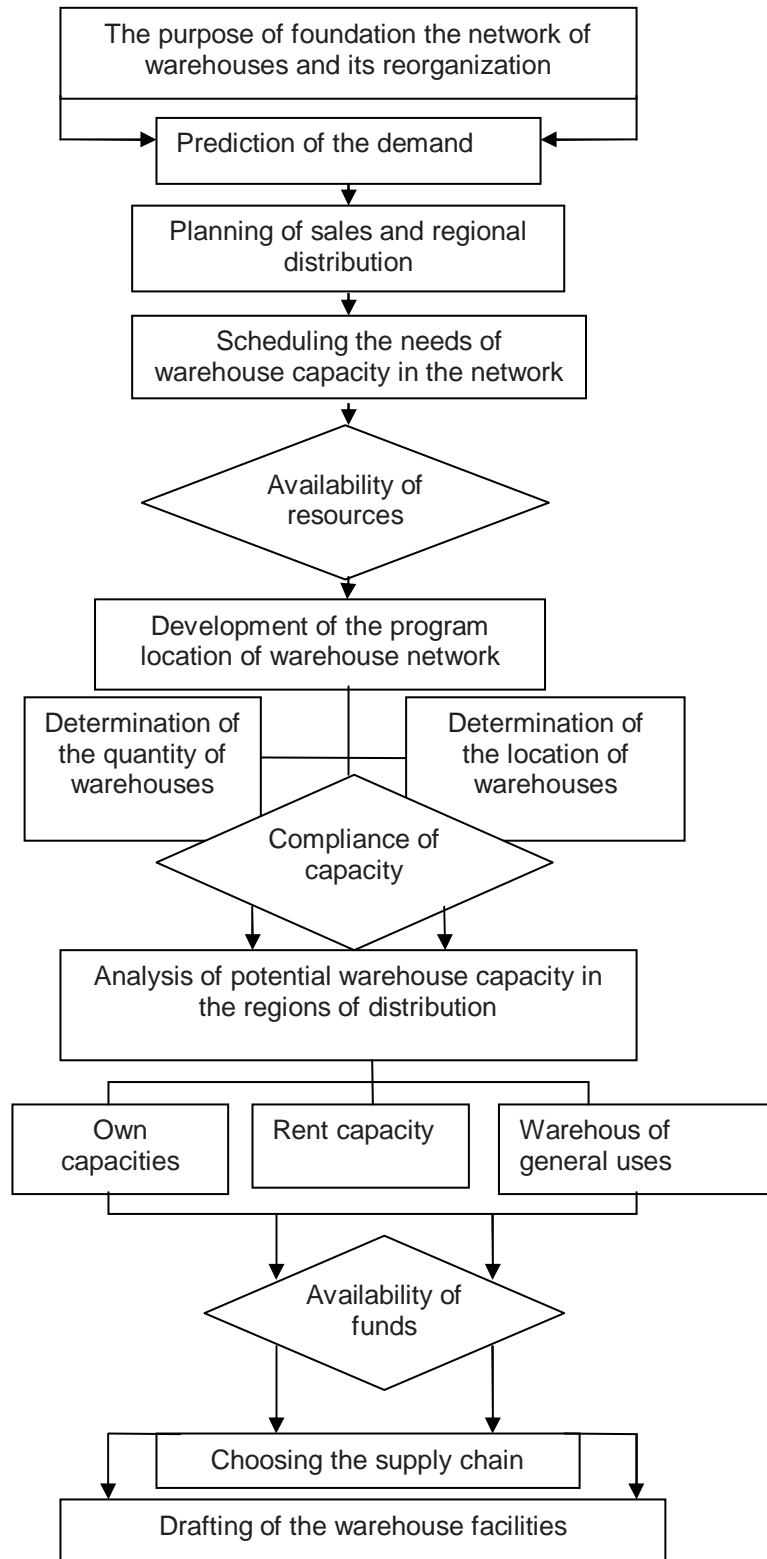
One of the main types of logistics is the warehousing logistics, which can significantly reduce the cost of the potential in resources of the company.

Warehouses are the most important elements of the logistics system, so that is the way to ensure the financial security of the company. The objective need for specially equipped places for holding reserves exists at all stages of the movement of material flow, starting from initial and ending final consumer. This explains the large number of different types of warehouses [2].

Efficient implementation of the logistics process delivery is the key to its profitability and hence financial security.

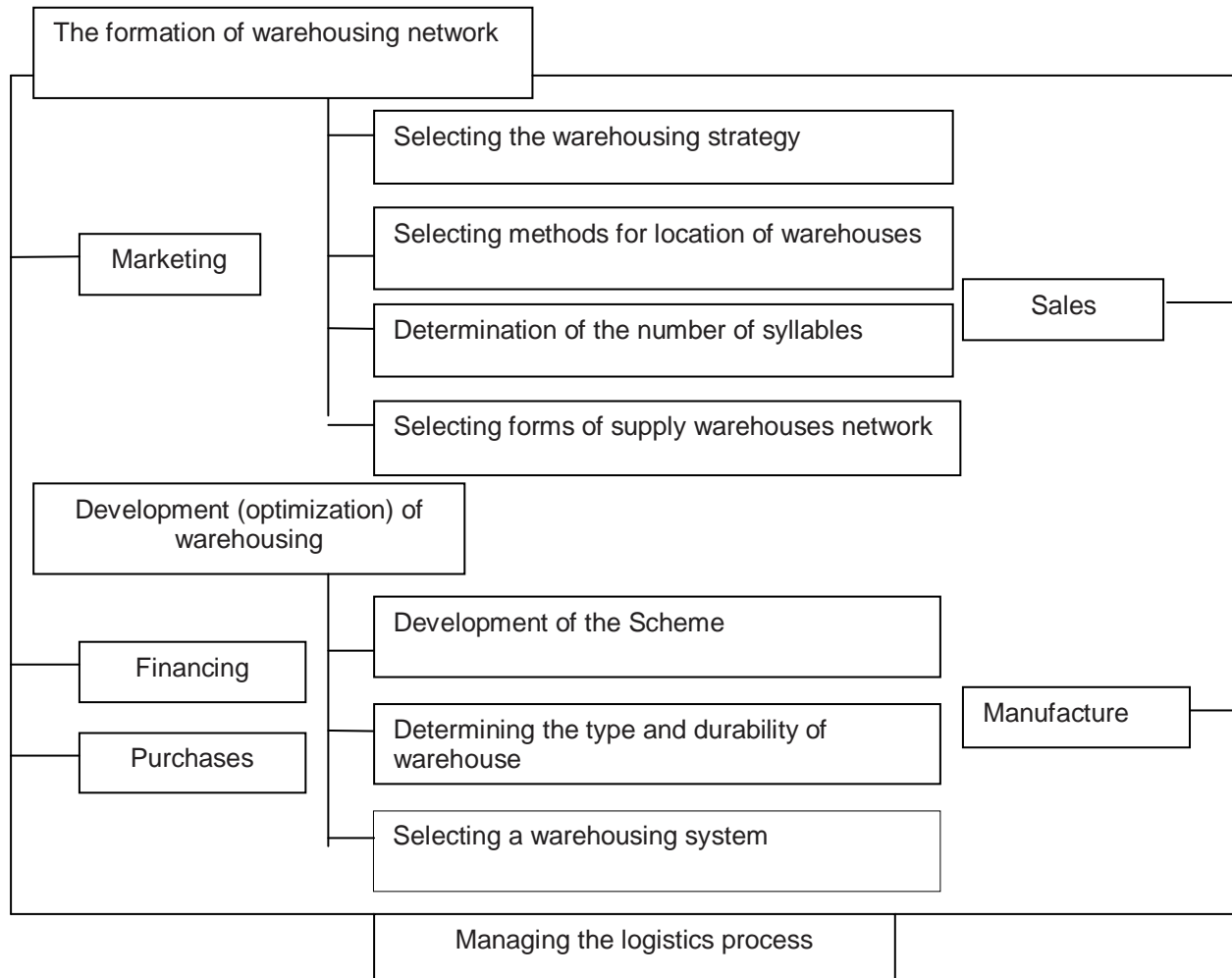
Warehousing network is formed or reorganized as a rule, in accordance with the marketing or sourcing business entity. The main aim and task of "SPC technologies of storing and processing grain Sodrujestvo" ltd. is to minimize the cost of implementing storage networks in the enterprise. According to this the algorithm of the warehousing network formation will be needed (Fig. 2.). So logistics should determine the functionality of warehouses and logistics problems within the system based on the goals of the business entity.

Companies are in a state of seeking supplies savings and creating competitive advantage are more often guiding their attention towards warehouses. Also enterprises with a network of warehouses will face many problems of different levels from static to operational. It should be remembered that all issues should be resolved in the company within these closely related, although they should be viewed in a strict sequence. So, for resolving issues of warehousing logistics it will be necessary to coordinate the work of marketing, sales, production, procurement and finance (Fig. 3.). Lack of coordination leads to a lot of conflicts and, consequently, reduces the effectiveness of the logistics infrastructure and activities of a business entity [5].



**Fig. 2. Algorithms of warehousing network.**

Source: developed by Dybska V., Zaytsev E. [5].



**Fig. 3. Coordination of departments and services in warehousing logistics matters.**

Source: developed by Dybska V., Zaytsev E. [5].

Within a supply chain network there is an issue not only of what materials to stock and in what quantities, but also in what locations. Options can include distribution centers devoted to specific markets or parts of the product range distribution centers dedicated to serving specific geographic areas, or regional distribution centers that hold for example the fast moving product lines, with the slower lines held only in a Regional distribution centre (RDC). The option depends on such factors as customer base, product range and service levels required.

The options on the level of technology have already been noted, and the range can go from very basic installations with high manual input and least mechanization to fully automated and robotic installations.

The decision can be influenced by:

1. Company-wide strategic marketing or employment policies
2. Financial considerations
3. Ability to achieve specified degree of throughput
4. Required customer service level.

Other factors can include the need for flexible operation to meet important demand fluctuations such as seasonal variations, and the perceived future stability and growth of the market and product range. The level of technology adopted in any particular application should be chosen because it almost nearly matches the given requirements and objectives. It is not true that automation or similar technologies are accurate in every case. It is true that good, probably computer-based, communication and information systems are vital in every application, irrespective of the technology level.

The option of unit load or loads – pallets, roll or cage pallets, tote bins - will be determined by the nature and characteristics of the materials passing through the supply chain, and this clearly encompasses an enormously wide range of goods, unit quantities, and pack types and sizes. This may appear as a very important factor more subject to basic operation than to strategic influences. However, within the warehouse it can influence the option of handling equipment and the types of storage systems. In the wider context it will affect transport operations in terms of vehicle loading and unloading and vehicle utilization.

Across the supply chains, warehousing is an important element of activity in the distribution of goods, from raw materials and work in progress through to finished products. It is an integral part to the supply chain network within which it operates and as such its roles and objectives should synchronize with the objectives of the supply chain.

It is not a 'Stand-alone' element of activity and it must not be a weak link in the whole supply chain network.

If construction of logistics system in the business entity is well done, there will be an opportunity to avoid conflicts with the coordination of departments and services. Because during the transition from managing certain functions to the integrated management of logistics processes it's usually associated with impaired functional borders of its various services of the company. Moreover the solution of any matters of warehousing logistics closely linked with other issues requiring a comprehensive and methodical approach. Solving local problems without targeting methodology can't provide optimal conditions for the functioning of a warehouse and warehousing network.

**Conclusions.** As for today's economic situation strategy of financial security entities, as opposed to financial security institutions such as banks, credit unions and others is not perfectly developed. Scientists led a lot of ways and methods for realization of financial security of business entities, implement strategies to minimize threats both internal environment for minimization of external threats. In today's economic crisis logistics as a strategy to protect the company from the weighted decision-making and leadership strategy to minimize costs is gaining significant turns. One of these directions is in the logistics process logistics warehousing which is base for optimization of warehouse processes, which in turn provides the enterprise management to reduce costs.

Thus, the concept of logistics, namely warehousing logistics is an important part of financial security of business entities and represents the business entity's ability to carry out its business and financial activity efficiently and stably. It should be noted that it is quite difficult during the time of uncertainty and dynamism, but by using a set of measures optimizing the use of the resource base and rationalization costs it can significantly reduce the impact of risks.

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### **Біломістна І.І., Біломістний О.М., Луньова І.А. ФІНАНСОВА БЕЗПЕКА СУБ'ЄКТА ПІДПРИЄМНИЦТВА НА ОСНОВІ ЛОГІСТИКИ**

**Мета.** Метою статті є дослідження забезпечення фінансової безпеки суб'єкта підприємництва на основі логістики складування.

**Методика дослідження.** У ході дослідження були використані наступні методи: діалектичний та абстрактно-логічний; бібліографічний; система узагальнення; порівняння, групування, методи індукції та дедукції для обґрунтування пропозиції щодо впровадження та використання логістики складування для забезпечення фінансової безпеки суб'єкта підприємництва.

**Результати.** У результаті аналізу наукових джерел були вивчені і розроблені концепції «процесу логістичного забезпечення фінансової безпеки». У статті пропонується логістичний процес і, зокрема складська логістика, як один з найбільш оптимальних шляхів забезпечення фінансової безпеки суб'єкта господарювання та аналізує, як підприємство за допомогою складської логістики може запобігти загрозам і мінімізувати витрати підприємства.

**Наукова новизна.** Покращений методологічний підхід до теоретичної сутності категорії «фінансова безпека» і запропоновано логістичний процес і, а саме логістика складування, як один з найбільш оптимальних способів забезпечення фінансової безпеки суб'єкта господарювання.

**Практична значущість** результатів дослідження полягає в можливості застосування запропонованого способу забезпечення належного рівня окремого підприємства, що сприятиме зростанню його стабільності, стійкості до зовнішніх і внутрішніх загроз, що позитивно впливають на рівень платоспроможності.

**Ключові слова:** логістика складування, фінансова безпека, сільське господарство.

**Bilomistna I.I., Bilomistniy O.M., Lunyova I.A. FINANCIAL SECURITY OF BUSINESS ENTITY BASED ON LOGISTICS**

**Purpose.** The aim of the article is to investigate the ensuring financial security of a business entity based on warehousing logistics. The achievement of this aim is carried out by theoretical analysis, taking into account the practical matters in this sphere.

**Methodology of research.** During the research the following methods were used: the dialectical and abstract-logical (cognition of the essence, principles, structure peculiarities of the mechanism of financial security, and formulation of conclusions); bibliographic (the study and elaboration of scientific works devoted to the mechanism to ensure the financial security); a system of generalization; comparison, grouping, methods of induction and deduction to justify the proposals for the introduction and use of a mechanism to provide financial security in the enterprise.

**Findings.** As a result of analysis of scientific sources were studied and developed the concept of a «logistic process to ensure the financial security». The article proposing logistic process and specifically warehousing logistics as one of the most optimal ways to provide the financial security of a business entity and analyzes how enterprise using warehouse logistics can prevent threats and minimize losses of the enterprise.

**Originality.** Improved methodological approach to the theoretical essence of the category «financial security» and proposed logistic process and specifically warehousing logistics as one of the most optimal ways to provide the financial security of a business entity

**Practical value** consists in possibility of application of the proposed way to ensure the level of the individual enterprise, which will contribute to the growth of its stability, resistance to external and internal threats that will positively influence the level of solvency.

**Key words:** warehouse logistics, financial security, agriculture.

**Беломестная И.И., Беломестный А.Н., Лунёва И.А. ФИНАНСОВАЯ БЕЗОПАСНОСТЬ СУБЪЕКТА ПРЕДПРИНИМАТЕЛЬСТВА НА ОСНОВЕ ЛОГИСТИКИ**

**Цель.** Целью статьи является исследование обеспечения финансовой безопасности субъекта предпринимательства на основе логистики складирования.

**Методика исследования.** В ходе исследования были использованы следующие методы: диалектический и абстрактно-логический; библиографический; система обобщения; сравнение, группировка, методы индукции и дедукции, чтобы оправдать предложения по внедрению и использованию логистики складирования для обеспечения финансовой безопасности субъекта предпринимательства.

**Результаты.** В результате анализа научных источников были изучены и разработаны концепции «процесса логистического обеспечения финансовой безопасности». В статье предлагается логистический процесс и, в частности складская логистика, как один из наиболее оптимальных путей обеспечения финансовой безопасности предприятия и анализируется как предприятие с помощью складской логистики может предотвратить угрозы и минимизировать расходы предприятия.

**Научная новизна.** Улучшенный методологический подход к теоретической сущности категории «финансовая безопасность» и предложенного логистический процесс и, в частности логистика складирования, как один из наиболее оптимальных способов обеспечения финансовой безопасности предприятия.

**Практическая значимость** заключается в возможности применения предложенного способа обеспечения надлежащего уровня отдельного предприятия, что будет способствовать росту его стабильности, устойчивости к внешним и внутренним угрозам, которые положительно влияют на уровень платежеспособности.

**Ключевые слова:** логистика складирования, финансовая безопасность, сельское хозяйство.