

ANALYSIS OF THE CURRENT STATE OF THE ART IN TERMS OF RATIONAL TECHNOLOGY FOR THE DELIVERY OF TECHNICAL EQUIPMENT FROM THE USA TO UKRAINE

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The process of goods supply is associated with the performance of complex sequential operations, the complex of which should ensure the effective functioning of transport companies. International companies engaged in the import of goods must solve problems related to the preparation of rational technologies for the delivery of goods to meet customer requirements [1]. This is important for any customer of transport services with a significant demand for quality services at lower prices.

A reliable delivery technology organization is formed using existing elements of the transport network infrastructure, taking into account risks and failures [2]. Resources should be used more efficiently, and the logistics system should be built with the simultaneous use of different sources of supply and using delivery principles such as "flexibility" and "just-in-time" [3], as this helps to reduce the risks of failure and problems in delivery technologies.

The development of Ukraine's economic ties with global trade leaders in the future will directly affect the creation of reliable delivery technologies. The United States is one of the most promising markets for economic recovery and a reliable partner of our country after the war. We can say that the United States was ranked fifth in 2021 according to the results of an analysis of the value of imported goods by country [4]. The share of imports from the United States reaches 11% of the total imports of other countries. At the same time, the dynamics of changes in the volume of imports from 2017 to 2021 is plus 32% (Fig.1.). The most significant volume of goods is imported from the United States according to the Ukrainian Commodity Nomenclature of Foreign Economic Activity - land transport, except for rail, which accounts for 32.2% of the total (Table 1). The volume of imports of land transport increased by 32.4% compared to 2020 [4].

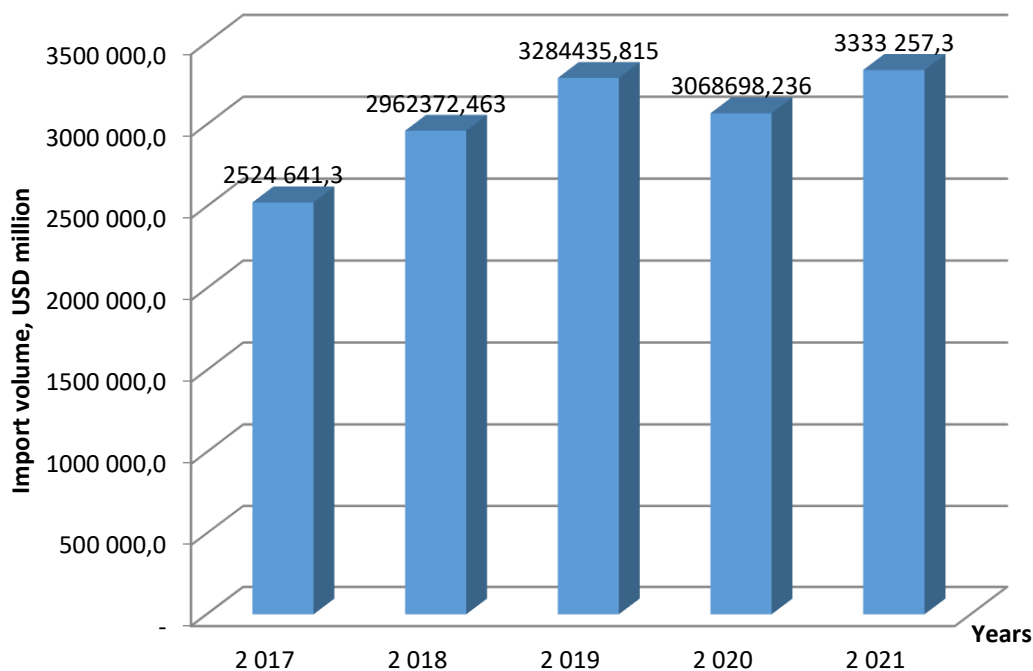


Fig.1. Graph of changes in the value of imports of goods from the USA to Ukraine in 2017-2021

Table 1. Volume of imports of goods with a total value of more than USD 100 million. USD from the USA to Ukraine in 2021

Name of the product item	The value of imports, thousand USD. US DOLLARS	As a percentage of the corresponding period of the previous year
Means of land transport other than railway	1072482.6	132
Mineral fuels; petroleum and its distillation products	687841.5	97
Nuclear reactors, boilers, machinery	339138.9	136
Electrical machines	156472.4	77
Optical and photographic devices and apparatus	132707.9	95
Pharmaceutical products	119362.9	117

There are representative offices of major global companies in Ukraine that deliver various types of cargo in containers. Such companies provide services, including multimodal transport, to create a single chain of cargo delivery in cooperation with the relevant port operators, shipowners and container lines, customs, railways, road carriers, etc. [5, 6].

The relevance of international transport of goods in containers is growing every year, as evidenced by the existence and creation of new large, modern companies in the world that specialise in this type of cargo delivery. They compete with each other by offering their customers better, more efficient, faster and more cost-effective ways of processing orders and supply chains in international traffic and the ability to deliver cargo anywhere in the world, which in turn indicates that there is a need to develop and implement efficient technologies [7, 8].

The regions of Ukraine, like the rest of the world, need constant supplies of various resources and goods, and require the delivery of equipment, materials, industrial goods and other resources in small batches, as their consumption is limited and their accumulation and storage are inefficient. Currently, the service sector, or rather its transport component, is moving to the top of the economic hierarchy, and it occupies a significant position in all economic sectors. An important place in the transport services of the economy is occupied by consignment transport, which provides all its components with the necessary resources, raw materials and supplies. Consumer goods transport has a special status, as the goods circulating there are usually formed and transported in small batches. Given that transportation serves the vital needs of the population, it is socially significant and requires constant attention [9, 10, 11].

The article establishes that in the current market conditions in the global market of international transport of various types of cargoes there is a prospect of their development, since the number of relevant orders to transport companies is increasing every year. According to the Ukrainian Commodity Nomenclature of Foreign Economic Activity, the largest volume of goods imported from the United States to Ukraine is land transport, which accounted for 32.2% of total imports in 2021. Specialised vehicles belonging to the group of land transport are mainly transported in containers in international traffic. And the relevance of international containerised cargo transportation is growing every year, as evidenced by the existence and creation of new large, modern companies in the world that specialise in this type of cargo delivery. They compete with each other by offering customers better, more qualitative, faster and more cost-effective ways of processing orders and supply schemes in international traffic and the ability to deliver cargo anywhere in the world, which in turn indicates that there is a need to develop and implement rational technologies [12-16].

It is determined that there are a number of approaches to improving the technological process of delivery of various types of cargo in international traffic, which allow creating a high-quality model of the process under consideration, but at the same time, to obtain specific practical results, it is necessary to conduct labour-intensive experimental studies and use complex analytical models. Theoretical studies by many scientists have shown that a well-developed transport services market

with appropriate operators and infrastructure will allow for the effective implementation of international cargo delivery technology to reduce the costs of all participants in the delivery process.

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