

AUTOMATIZATION RESOURCE MANAGEMENT SYSTEMS OF A TRANSPORT COMPANY

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The current trend of transition to digital methods of creating, transmitting, processing and storing information leads to the widespread introduction of static and dynamic databases, the organization of telecommunications for access to information through terrestrial and satellite information channels. Accordingly, in logistics systems there is a transition to digital technology in all areas of document management, including the replacement of paper transport documents with electronic ones. The integration of information flows and communication support in the transportation of goods has received a general name – telematics [1].

The introduction of information technologies and their integration on the basis of telematics are implemented in transport in several main areas. First of all, it is the active implementation and use of automated control systems of the transport company. Management of any enterprise requires a high level of information and analysis of the information obtained to form a management decision, so companies implement automated control systems (ACS) of different levels for quality collection and processing of information about the enterprise. ACS is based on the integrated use of technical, mathematical, informational and organizational tools [2, 3].

The basis of ACS enterprises is a database - electronic files, which allow detailed structured accounting of all components of the enterprise. Using database management system it is possible to deeply analyze the content of information, make samples, reports, statistical and mathematical calculations. To access the company's employees to the database, a localized computer network of the company is created, through which each specialist can receive the necessary information, process it with appropriate professional software (warehousing, accounting, financial transactions, personnel accounting, payroll and billing, etc.). To protect and save information, access to the database is ranked - each of the network's clients has clearly defined rights to use certain information, change or copy it. The database information is stored on a special dedicated computer - a server that has the appropriate software to work with customer requests.

On the working computers of the company's specialists, in addition to the main DBMS, additional programs necessary for the work of the specialist can be installed, for example, an accounting program or a car dispatching system in flight. These programs can interact with the DBMS, and can work autonomously. Automation of management on the basis of local computer networks and databases due to the availability of Internet access implements information integration with all participants

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The main consequences of the introduction of ACS are to improve the quality, speed and reliability of accounting and analysis of the enterprise and structural units, individual employees; introduction of electronic document management, which also increases quality indicators; access to electronic interaction with other enterprises, customers, suppliers through Internet technologies. As a result, it gives an increase in the level of use of the rolling stock of the transport enterprise, optimization of its loading, reduction of costs for fuels and lubricants due to the introduction of route optimization programs, increasing competitiveness and profitability.

Ukraine has a powerful transport system, which includes rail, sea, river, road, air and pipeline transport. Each of these modes of transport is a set of means and ways of communication, as well as various technical devices and structures that ensure the operation of all sectors of the economy.

Recently, increased attention to the organization and efficient operation of systems delivery of goods due to the reduction of the duration of trade cycles, increasing the cost of storage and the need to accelerate the response to consumer demand. One of the main approaches aimed at improving the efficiency of cargo delivery is the development of scientifically sound provisions for the automation of the processes of order formation, processing and delivery of goods to the consumer in a minimum time.

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