

Title of graduate qualification work Creation of a system of engineering and technical protection of information for LLC «DENS», c.Kislovodsk

The author of WRC: Donskov Pavel Vladimirovich

Scientific adviser of the WRC: Kaliberda Igor Vladimirovich, Senior Lecturer, Chair of Information and Communication Technologies, Mathematics and Information Security.

Information about the contracting authority: LLC "DENS" is an enterprise specializing in the creation of complexes and organizational measures aimed at ensuring information security of organizations (customers). With each customer a contract is concluded that determines the nature and timing of the implementation, at the request of the client, a technical task can be developed. It outlines the requirements for the composition of software and hardware processing and storage of information, their location, as well as the basic principles that will be used to protect information. In the case of non-standard requirements of the customer, the company conducts research and development work, by the forces of its research and development department and the information security laboratory.

Relevance of the research topic: As is known, in our time the main valuable resource is information and in turn, the issue of its protection is no less important and relevant. It is in our time that the issue of information protection is widely covered, as jumps of progress in innovative (scientific and technical) spheres regularly occur today. Thus, specialists are required to regularly monitor and maintain, improve and modernize their systems in order to reduce the possibility of information leakage, and especially in enterprises. After a leak of 25% of the information, according to statistics, the company is able to further ruin. Regardless of the quality of the stolen information. Any enterprise has various types of information: commercial data, and confidential data. Modern security systems rely on a comprehensive approach, which has proven its reliability. In order to achieve the greatest effectiveness, protective equipment must adequately protect information, in accordance with its value in the enterprise. Insufficient knowledge of the issues of quantitative assessment of the

value of information in the modern world does not provide an opportunity to assess and justify the necessary costs for building protection systems for information and telecommunications systems, justified moments of their application and the composition of protective functions.

Purpose of work: organization of the system of engineering and technical protection of information at the enterprise LLC "DENS".

Tasks: to characterize the organization as a whole and its subdivision, to analyze information flows, to set tasks for the creation of security equipment (access control and monitoring systems)

Theoretical and practical significance of the research Organized security measures will allow to establish a high level of information security in the enterprise, with possible future upgrades of the system.

Results of the research the result of the study is the installation of an access control system (ACS), through which the company has introduced appropriate measures and technical means of protection for the possibility of a high level of intelligence from intruders.

Recommendations as recommendations, it is necessary to consider in more detail possible leakages of information at the enterprise to further prevent them.