

Thesis on the topic: «Improving the system of engineering and technical information protection at the enterprise «ISO: IT», Pyatigorsk. »

Author: Verovets Alexander Andreevich

Scientific director: Kozlov Vladimir Aleksandrovich, Candidate of Technical Sciences, Associate Professor of the Department of Information and Communication Technologies, Mathematics and Information Security.

Details on the organisation: sole proprietor Verovets S.A. (« ISO: IT »)

Relevance of the research topic: annually as a result of leakage of confidential information, enterprises suffer large losses. And the lack of engineering and technical protection of information in an enterprise of the required level opens up one of the easiest ways for an attacker to obtain confidential information. Improving the system of engineering and technical information protection will help to keep confidential information.

Goal of the thesis: final qualifying work is the improvement of methods and means of the system of engineering and technical information protection at «ISO: IT» to increase the level of protection of confidential data.

Objectives: analysis of the structure and activity of the enterprise, analysis of technical and software facilities and information flows of the enterprise, study of information protection systems and means for further modernization, selection of methods and means of engineering and technical protection of information to increase the level of protection of confidential information in the enterprise, obtaining practical solutions for the implementation of improvements engineering information protection systems at «ISO: IT».

Theoretical and practical significance: the theoretical significance of final qualifying work is to analyze the experience of using existing methods and means of engineering and technical protection of information in the framework of small business. The practical significance lies in the development of a project to improve the system of engineering and technical protection of information in the enterprise.

Research results: during the analysis, the current engineering protection systems were reviewed and analyzed, and a project was developed to improve the engineering information protection system at «ISO: IT».

Recommendations: to increase the level of information security at the enterprise, we proposed the following solutions for improving the system of engineering and technical information protection at «ISO: IT»: replace the entrance plastic door with the technical «e-2» technical single-sided door, install modern magnetic contact sensors «IO 102- 14 (SMK-14)» on the front door of the enterprise, as well as on the door in the office of the head of the enterprise, the warehouse door,

install modern «CamDrive CD310» ip cameras in each room, install the «Touch Memory» reader next to each door with a magnetic contact detector.