

Theme of final qualifying work: the development of a system of access control and management for the TVC "Technorad" enterprise, Pyatigorsk.

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Information about the contracting authority: TVC "Technorad" IP Chunikhin V.V. includes a network of stores selling household appliances and electronics, provides services for the provision of a zone for advertising in the trade fair complex, rent of conference rooms and additional equipment, rent of storage facilities.

Relevance of the research topic: The existing threats to the protection of information require the necessary methods and means of protecting information for the stable operation of the enterprise.

Objective: the development of a system of access control and management for the TVC "Technorad" enterprise.

Tasks: to describe the object of protection, to describe the organizational structure, to present the information interaction of departments, to list the hardware and software, to describe the methods and systems of information protection at the object of protection, to analyze the means used at the enterprise, to analyze the threats to information security, to identify the deficiencies in the protection of information, to choose the means of protection information to neutralize threats, create access control and monitoring systems at the site, obtain a design solution for implementation access control system.

Theoretical significance of the study: an objective assessment of the situation in the institution, lists various methods and means of protecting information, including software to provide anti-virus protection; engineering and technical means for providing security and fire safety in the building. The analysis of the deficiencies in the information security system in the TVC "Technorad" identified

threats to protect confidential information and the threat of operating system failures.

Practical significance of the study: is to develop a system of access control and management for the TVC "Technorad" enterprise, to counter theft, control personnel, and to improve overall security.

Results of the study: analyzed and identified shortcomings in the system of access control and management, eliminated them and proposed methods to improve the access control system at the TVC "Technorad" enterprise.

Recommendations: We proposed a design solution for improving the information security system of the TVC "Technorad" company:

1. Develop and implement an information security policy.
2. Implement measures to improve the protection of information at the organizational level.
3. Upgrade workplaces by software ("Software Windows 8.1 Pro", antivirus "Kaspersky Endpoint Security").
4. Equip the office part of the enterprise with access control system based on the Orion C2000-2 controller.