Theme of the final qualifying work: Development of a comprehensive information security system for the enterprise

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Information about the contracting authority: The Directorate for Integrated Security (ISM) is an ideal example for considering the topic of this diploma, as this structural unit of the FSBEI "PSU" has its main task of comprehensive protection of Pyatigorsk State University.

The relevance of the research topic: the need to provide comprehensive protection of confidential information in the PSU to ensure its effective operation.

Objective: improving the system of comprehensive information protection Pyatigorsk State University.

Objectives: to draw up a characterization of the Integrated Safety Administration of the PSU; analyze the information protection system in the institution; to explore the main methods and tools used to protect information in the PSU; Develop measures to improve comprehensive protection in the institution.

Theoretical and practical significance of the research: when writing FQWs, a number of organizational and legal documents in the field of information protection were analyzed; the existing problems of information protection in the institution are identified and analyzed; the market of modern certified products for information protection has been studied and investigated, as well as the possibility of applying a set of concrete proposals developed in the FQW to improve the comprehensive protection of information.

The results of the research: an outdated version of the existing anti-virus software package; there is no complex of measures to protect information from the unauthorized access both to the premises of the ISM, and directly to the information resources stored on the computers of the Office; the lack of resistance to the installation of third-party programs for personal use by employees on desktop PCs, which reduces the performance of the operating system on the PSU PC.

Recommendations: Update existing antivirus software to the current version. Install anti-spyware on all computers of ISM PSU. Anti-spyware programs are designed to detect malicious spyware and adware, to prevent it from being installed on PCs without the knowledge of the system administrator and to remove these programs, if they already exist. Anti-spyware functionally complements anti-virus programs and can be used with them to better protect the operating systems of the ISM. Provide a protective package of measures from unauthorized access to ISM.