

Theme of graduation project:

Organization of a security system at an enterprise on the example of LLC MEGA GROUP, Nevinomyssk

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Information about the client organization: Limited Liability Company "MEGA GROUP"

Relevance of the research topic. The need to ensure the information security of the organization is justified by several main reasons: the rapid increase in the power of the computer park; widespread local area networks; active development of the Internet; significant software vulnerability. All this determines the relevance of the development of the organization's security system.

Purpose of the work: development of recommendations on the organization of a comprehensive information security system of MEGA GROUP LLC.

Objectives: to analyze and study the structure and conduct an analysis of the activities of MEGA GROUP LLC; analyze information from various sources on the subject area, existing methods and approaches to solving problems in the field of information protection; to study the existing information system of the organization "MEGA GROUP" LLC; to analyze the existing system of information protection and put forward tasks to improve information security in MEGA GROUP LLC; develop recommendations on the organization of an integrated information security system of MEGA GROUP LLC; develop and describe a draft practical application of recommended remedies.

The theoretical significance of the study. Analyzed the laws and regulations in the field of information protection; justification of the theory of the problem; highlighted issues to be addressed; characterized by the real situation in the organization, which will be the basis for further practical actions in this area.

The practical significance of the work lies in the development of practical proposals for ensuring the organization's information security.

Results of the research: information security in the organization's office is represented rather weakly: neither the protection of the external perimeter of the building in which the company's office is located is provided; nor complete reliable internal protection of information resources against breaches of their confidentiality, accessibility and integrity; there are no internal legal documents on ZI. MEGA GROUP LLC needs to organize an integrated information resource protection system.

Recommendations: the use of a complex of developed measures. Software and hardware-software ZI support with: anti-virus program Kaspersky Total Security 2019; electronic key eToken PRO (Java); firewall OutpostFirewall to protect computers from attacks from the Internet.

Providing engineering protection of ZI with the help of: adding a video camera; installation of metal anti-vandal doors at the entrance to the office of employees; installation in the director's office of a metal door with sound insulation 42 dB of Lex; installation on the door of the director of the electronic lock Samsung SHS-D607; additional installation on two smart door opening sensors REDMOND RG-G31S; installation on ok-on blinds, as well as the installation of an alarm for breaking the window "Pyronix Break Glass BG-2000"; equipment cabinets metal archival cabinets ShMA-1000.

To supplement the organizational and legal aspects of protection with the implementation of the Rules for the treatment of additional electronic identifiers.