

Topic of the final qualifying work: Improving the system of information protection from unauthorized access in the Internet provider company on the example of Svyazpostavka LLC, Pyatigorsk.

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Information about the requester organization: Svyazpostavka LLC, Pyatigorsk

The relevance of the research topic is due to the need to protect information from unauthorized access in an organization that provides communication services. Leakage of confidential information in an Internet service provider organization is fraught with serious consequences for both the organization and its customers.

Purpose: development of proposals for improving the information security system in the Internet provider company Svyazpostavka LLC, Pyatigorsk.

Tasks:

1. Analyze the activities of Svyazpostavka LLC.
2. Review and describe the communication service provider's information system.
3. Describe information flows in the organization.
4. Analyze the existing information security system in Svyazpostavka LLC.
5. Develop a project to improve the information security system in Svyazpostavka LLC.
6. Develop recommendations for the practical application of the developed system.

The theoretical and practical significance of the research is to develop approaches to the study of the information system of the Internet provider company and to develop recommendations for improving the information protection system against unauthorized access in Svyazpostavka LLC.

Research results: proposals were developed to improve the information

security system in the Internet provider company Svyazpostavka LLC, Pyatigorsk.

Recommendations:

1. Use the new version of the software and hardware complex "Sobol" version 4.
2. Use the "Continent" APCS model 3.7 to improve data encryption parameters.
3. Use the Kaspersky Endpoint Security Cloud Plus program.
4. Implement the Secret Net Studio information security tool.
5. Install Hikvision outdoor and indoor video surveillance cameras.
6. Install the security and fire system "Sentinel a10" by connecting fire detectors PST SS168 to it.
7. Install the tripplite SmartPro UPS.