

Subject of final qualification work: The analysis of a condition of security of information resources of the enterprise and development of methods of increase in level of protection on an example "Diesel Service", Pyatigorsk

Author of FQW: Shabliy Roman Victorovich

Research supervisor of FQW: Rynduk Victoria Alexandrovna

Data on the organization customer: "Diesel Service", Pyatigorsk

Relevance of a subject of a research: The information security system has to be organized at each enterprise (in the organization). Heads need to collect, to analyse and classify all types of information, needing protection and to use the appropriate system of providing IB. Therefore development of methods of increase in level of protection of information is a relevant scientific task.

Purpose of the work:

This final qualification work the analysis of a condition of security of information resources of the enterprise and development of methods of increase in level of protection on an example "Diesel Service", Pyatigorsk.

Tasks:

- to analyse and classify structure of the Diesel-Service enterprise, Pyatigorsk;
- to get acquainted with technical and software of the enterprise;
- to consider information flows of the enterprise;
- to characterize an information security system "Diesel Service", to set the task of development of methods of increase in level of protection "Diesel Service";
- to reveal basic provisions of implementation of development of methods of increase in level of a system of information security for the enterprise;
- to choose means of information protection and to prove them;
- to develop and describe the project of practical application of the chosen means.

Theoretical and practical importance of a research

The theoretical importance of work consists that theoretical bases of activity of the Diesel-Service organization and also features of a system of information security and information resources in this organization are studied and, on the basis of it, methods of increased security are developed.

The practical value of this work consists in the analysis of a condition of security of information resources and development of methods of increasing the level of security of the organization and also development and to the project description of practical application of the chosen measures and means of information protection for "Diesel Service"

Results of a research All objectives and the purposes before the author of FQW are carried out.

Recommendations

- for the purpose of gain of identification procedures and authentication in the PC of the enterprise, users are offered to use additional individual electronic identifiers of Rutoken (together with the personal password of access);

- implement an electronic USB key of Sentinel (H ASP) of HL Pro as a universal solution for protection of software and data against copying, in particular, of a configuration of the programs working at base of a packet "1C: Enterprise";
- implement use of the cryptographic PGP program for the organization of reliable enciphering of the messages sent on the Internet;
- mount surveillance cameras in internal premises of the enterprise;
- install security annunciators on doors and windows of offices of administrative structure for the purpose of the notification in case of penetration into an office of the strangers who do not have right of access.
- we consider it expedient to apply developed by us "The instruction on antivirus protection" for the purpose of ensuring control of safety of the processed information.