

**Theme of final qualifying work:** Improvement of engineering and technical protection of information on the example of LLC "TORGSERVIS", Pyatigorsk

**WRC author:** Alexander Kurilov

**Supervisor WRC:** Cand. tech. Sciences, Assoc. Department of Information and Communication Technologies, Mathematics and Information Security V.A. Ryndyuk.

**Information about the customer organization:** FGBOU VO "Pyatigorsk State University"

**The relevance of engineering** and technical protection is associated with a set of organizational and technical measures to ensure the security of information by technical means that will prevent an intruder from penetrating to information sources, protect information carriers, and prevent information leaks from various technical channels.

**Purpose of the work:** Confirmation of the level of qualification, professional knowledge and skills, as well as the improvement of engineering and technical protection of information in LLC "TorgServis".

**Tasks:**

1. Acquaintance with the structure and subject area of the organization LLC "TorgServis".
2. Identification of problems regarding the protection of information in TorgService LLC.
3. Setting the task to improve the methods and means to ensure comprehensive information protection LLC "TorgServis".
4. Search for solutions to identified problems in order to ensure the protection of information.

**The theoretical significance** of the work lies in the analysis of the structure of the company "TorgService", the study of information flows, methods and means of information security, which allowed the complex to assess the engineering and technical protection of the organization.

The practical significance of the study is determined by the fact that recommendations that are contained in the final qualifying work of an applied nature can be useful for improving technical and program measures, as well as

serve as practical material for improving integrated information security in an organization.

**The results of the study:** familiarized with the structure and the subject area of the organization LLC "TorgServis", analyzed the system of engineering and technical protection of information of the enterprise, which allowed to draw conclusions about the shortcomings of ZI and develop a number of proposals that will improve the engineering and technical protection of "LLC TorgServis".

**Recommendations:**

1. In all departments of the organization where the protection of information is most relevant, it was to establish a control and access system whose main tasks would be to control and restrict access by outsiders.
2. Implement the developed project of practical application of video cameras on the territory of the organization.
3. Introduce noise insulation of the room, blinds and noise generator, which will ensure confidentiality during important meetings.
4. Introduce an anti-theft gate and a system for protecting goods on the racks into the shopping area, which will help protect the organization from theft of expensive equipment.

The proposed recommendations will allow the organization to ensure the protection of information from external and internal threats and their timely neutralization.