Title of graduate qualification work: Improvement of the physical access control system at the North Caucasus branche of the PJSC JSCB "Svyaz' Bank"

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Information about the contracting authority: The object of the research is PJSC JSCB "Svyaz' Bank" which address is 71 Pushkinskaya st., Cherkessk, Karachai-Cherkes Republic.

The bank specializes in service of legal entities and natural persons. One of the major priorities is the credit to real economy, which includes small and medium business.

Relevance of the research topic: The development of the information technologies is linked to growth of the threads to the bank operations. The occurrence if new functions cause invention of new and improvement of old methods of money stealage from bankcards. For the purpose of preventing fraud it is necessary to improve methods and means of information security and at the same time remember about the security measure profitability. Well-designed security system fosters stability of the Bank and greater customer loyalty.

Purpose of work: designing a project of modernization the automatic cash terminal security by the example of the PJSC JSCB "Svyaz' Bank".

Tasks: to characterize the organization as a whole and its subdivision, to analyze information flows, to analyze the technical support and existing means of protection, to set the task of modernizing protection facilities, to describe the existing products for providing a physical access control system of the automatic cash terminals, to conduct an analysis and choose an appropriate solution, to compile a list of additional modules for connecting, to reveal the design features of the chosen solution.

Theoretical and practical significance of the research: revealing new security threads to automatic cash terminals by the example of the PJSC JSCB "Svyaz' Bank".

To develop project proposals for protection of the automatic cash terminals, conduct an analysis and reasoning of the chosen solution.

Results of the research The analysis of the security level at the PJSC JSCB "Svyaz' Bank", Cherkessk has been conducted. For the purpose of it the company was characterized, was conducted an analysis of hardware and software protection means. Shortcomings of the automatic cash terminals protection has been revealed: they are exposed to vandalism, money stealage by means of breaking and robbery of customers while paying in and withdrawal.

Recommendations: I recommended to mount an additional protection system designed by PERCo. This system solves the revealed problems. While examining of modern solutions for automatic cash terminals, the analysis and comparison were conducted which served as a reason for choosing the PERCo's product since it satisfies our requirements and has more functions comparing to its analogs.