

Annotation

In this diploma project, we conducted research on algorithms and methods for determining threats to the security of information and data in telecommunications networks and systems. International and state standards in this area are considered. Methods used to describe risks and threats to information security in information telecommunications systems are described. The project created a flowchart for the risk assessment algorithm. Next, the algorithm for detecting the danger is written, and the calculation module is written. Summing up the results of the above works, a hazard prediction module was created. The C++ programming language was chosen as the software prototype development tool. In addition, we calculated the terms for the return of funds spent on the project, with the safety of life, with the preparation of a business plan for the project.