

ABSTRACT

Theme: " Mechanisms of security risks analysis in information systems".

Thesis: 89 p., 5 fig., 4 tabl., 1 append., 20 sources.

SOFTWARE, ANALYSIS OF RISKS OF INFORMATION SYSTEMS,
INFORMATION SAFETY, METHODOLOGY AND ANALYSIS METHODS,
DIAGNOSIS ANALYSIS OF PROTECTION

Actuality: analysis of information systems risks is a very important topic in this period of existence of humanity, since every year more and more informatization is growing, which causes the need for protection of information systems. In this work I study, the methodologies, methods and tools for analyzing the risks of information systems were analyzed, among them the most successful system was selected and the results of its work on the input data were analyzed.

The purpose of this work is research in the field of information systems risk, namely research of a tool for the analysis of risks of information systems.

The object of the research is the shell of the Microsoft Assessment Security Tool.

Methods of research: qualitative and quantitative methods of analysis of the information systems and examples of their implementation in the software environment Microsoft Assessment Security Tool. After importing input data, a model was constructed as an example of a real organization, and input data was analyzed using a software tool, as well as conclusions were drawn on the connection of the parameters and results of the product.

Obtained results: the best software product was selected and analyzed for the evaluation and analysis of the risks of information systems, the interaction between certain input parameters was found and their impact on the result of the software product was analyzed.