

Annotation

In this diploma project, the issue of developing a tool based on the threat and vulnerability analysis model for protecting information in organizations is discussed, which allows you to fully analyze and document the requirements related to ensuring the security of information in an organization. Using this method will make it possible to avoid the costs of excessive security measures arising from a subjective risk assessment, to assist in the planning and implementation of protection at all stages of the life cycle of information systems, as well as to ensure that work is carried out in a short time.

In the primary sections, common methods of risk analysis and risk assessment software were analyzed and a conclusion was made based on the results of comparative analysis, calculations were made according to the proposed model. It is proposed to create software for assessing information security risks based on the selected model.

The values of project risk assessment are also given, and questions on life safety were considered.