

## **ANNOTATION**

This thesis is devoted to the issue of security implementations of the TLS Protocol and is aimed at developing a methodology for testing the implementation of the TLS Protocol. In the course of the work, the attacks on the Protocol were analyzed, the parameters by which the attacks were implemented were highlighted. Was created testing methodology, which was tested protocols versions TLSv1.0, TLSv1.1, TLSv1.2. The results of testing and recommendations for protection are given.