

## Abstract

In this graduate, a model of a secure enterprise network was developed using the eve-ng virtual simulation program for designing a corporate secure enterprise network through various measures. The project provides for tunnel effects of the enterprise network, fault tolerance of equipment and availability of network equipment.

In terms of life safety, the results of calculating the need for fire extinguishing and grounding facilities were carried out.

The need to assess risks is primarily related to determining the extent of their impact on the business processes of the enterprise, assessing the size of any losses (losses) from their implementation and developing mechanisms to minimize or prevent them.