

Annotation

The diploma project is aimed at analyzing and organizing a network for transmitting video and audio conferences over the corporate network of PetroKazakhstan. Hardware configuration and organization of the data transmission channel.

This work is divided into five chapters, in which there are calculations of throughput by summation, designing a network model using the NetCracer 4.1 program, and selecting equipment for external and internal data transmission channels for company offices.

In the Chapter on life safety, calculations were made for a favorable microclimate of premises and working conditions. In the Chapter on the economic part, the company's profit was calculated taking into account all costs and the payback year.