

Abstract

In the graduation project discussed issues of organization of the telecommunications network in Zhana Or right shore of Kapchagai reservoir with the introduction of next generation networks. The project includes the installation of new equipment for the NGN, in particular the decision of the company Huawei Technologies.

In the calculation the calculation of the performance of the access node. Special attention was paid to the analysis of structural reliability SoftX3000 Softswitch. In the section of the safety analysis of the operators ' working conditions, made for the calculation of lighting, air, calculation of fire safety and electrical safety. In the economic part of the calculation of absolute economic efficiency of capital investments and determine the payback period of the project.