

Abstract

In the graduation project discusses the design of a telecommunication network in a corporate complex "Bastau" in Ust-Kamenogorsk on GEAPON technology. The work provides for the installation of new equipment, network expansion and provision of reliable and quality telecommunications services.

On the question of the designed network, a calculation of parameters of optical cable, variance, reliability. And calculated attenuation at the site from the station to the subscriber.

In the section of safety calculated the organization of workplaces of operators, lighting calculation, calculation of ventilation, fire safety linearly hardware shop. In the last Chapter, prepared the business plan of the project in which the calculation of capital costs and operating costs, and determined the payback period of this project.