

Annotation

This graduate work is devoted to the construction of cellular communications in the Medeu district of Almaty. In the technical part of the work, the load on the network, the coverage area with the selection of the necessary equipment was calculated and a scheme for organizing mobile communications in the Medeu district was built. In the safety section, an analysis was made of the calculation of the work of employees, lighting of the workplace and protective measures in labor protection, as well as the calculations of the fire extinguishing system and lightning protection are given. In the economic section, a business plan is presented, a feasibility study is developed and the comparative economic efficiency of capital investments is calculated, the payback period of the project is calculated, prices for equipment and necessary materials are given.