

Annotation

In this thesis, the project of a passive optical network in the Bektimir district of Tashkent city using modern optical technologies was completed.

The calculated number of subscribers, the choice of optical cable for the access network and other necessary equipment using GPON technology were calculated. The length of the regeneration section was calculated, the optical budget of the access line, a communication technological scheme was drawn up.

The issues of life safety and the economic efficiency of the project were also considered.