

**Abstract**

The development of the IP-TV Nauryz district of Almaty presented in this thesis project. TurboGEPON consider modern technology and is planned as a network of IP-TV.

The technical part describes the characteristics of technology IP-TV, equipment linear structures and stations, the choice of fiber optic cable and cable parameters calculations.

Under health and safety is an analysis of working conditions, the calculation of natural and artificial lighting, fire safety have been calculated. And also in the economic efficiency of the given economic indicator.