

## **Abstract**

In this degree project the question of the organization of communication in areas on the example of the digital intra-zone radio relay line on Bayet-Tortuy-Tye-Zelenaya Route roshcha-Akkol-Sargamys is considered. The digital radio relay communication line meeting the set requirements of high-quality service on the basis of the Pasolink equipment of the population of these points was designed.

Calculation for determination of stability of communication is carried out. Calculation of coefficient of strengthening of the digital microwave oven of a repeater.

Besides, activity security measures at operation of the equipment are described, the feasibility study on introduction of this project is developed and the business plan is developed.