

## **Annotation**

In this thesis work examined the possibility of organizing radio-relay lines between the city Taldykorgan and the city Saryozek. Proposed methods of radio-relay link, types of radio relay station. Also worked questions frequency allocation plan, considered digital technology, used in radio-relay lines. Besides considered principles of digital signals, made the choice of the frequency range of the projected radio lines, selection of equipment and company of manufactures. Designed and built three profile flight line, timing options, made verification standards track. In the economic part of the project is a business plan. Besides the issues of life safety.