

**Abstract**

To solve the problem of taking into account and digitization of commutation-  
tion techniques, and related high-speed transport networks, and the technologies and  
methods of processing, and transmission of information via communication chan-  
nels, this thesis project examines the issues of designing multi-service subscriber  
access in the neighborhood "Duman".

Currently the capacity of one remote unit in the district of "Duman" is not  
enough; therefore, it is proposed to expand the network abendago access by in-  
stalling three new blocks removed. For the realization of this made necessary  
calcu-lations. Also addressed the issues regarding the safety of isideally and  
developed the economic efficiency of the project.