

**Abstract**

The theme of this thesis project is «Assay of the external gateway traffic». The main task is figuring out whether egress gateway can operate with raising traffic volume. Issues of detecting overload assay were reviewed, bandwidth of egress gateway and time of packets staying in the path with the usage of tunnel and without tunnel were calculated. Calculations that were made confirm that there is a possibility of future usage of egress gateway on the present telecommunication network.