ABSTRACT

to the diploma project of specialist Ivan Viktorovych Kariaka

on the theme: "Implementing the delivery of IPTV services to the end user"

The diploma project is dedicated to the implementation of IPTV middleware complex.

In this paper the original data and requirements to the implementation of the project, the requirements to the implementation of the software and hardware devices in accordance with the set requirements were analyzed. An overview of IPTV technology and its features has been conducted.

In the work we performed the comparative analysis of models of IP-STB and ready solutions of software Middleware. Based on the performed analysis the choice of client IPTV STB was performed and it was decided to develop our own Middleware in order to reduce financial costs, implement specific requirements and save time for integration with existing accounting systems.

System architecture was designed as a result of performed work in line with the set requirements, software modules of the user interface, server and client side of the system were implemented. After the project implementation the user and load testing of the software was carried out. Data obtained in the process of testing indicate the stable operation of the service at the maximum desired number of users.

This service has been implemented in the network of Bilink provider, information is available at the link http://bilink.livejournal.com http://bilink.ua.

The total volume is 179 pages, including 38 figures, 27 tables, 4 applications, 18 bibliographic references.

Keywords: Middleware, IP-STB, information system, user interface.