ABSTRACTION

In this globalization era, communication become one of the important equipment which is needed for modern people. To give satisfied services to the users, many communication company try to provide a comfortable communication by maintain the operation performance quality.

The public Internet and corporate intranets have been growing at a phenomenal rate in recent years. Today, the public switched telephone network (PSTN) is the most common mechanism for accessing the Internet and intranets from home. Thus, much of data traffic is transported through traditional switch access systems. Until recently, traffic engineering for these switch access systems has been based on traffic models consisting predominantly of voice traffic. The current explosion in the amount of data traffic with differing traffic characteristics being transported by traditional switching systems may have an adverse impact on the grades of service (GOS) unless engineering rules are modified to account for the new traffic characteristics. While this issue is important for central office switches and inter-switch trunking, it is even more important for relatively smaller access concentrators.

This final project will evaluate the internet impact to the telephone systems, especially to the traffic load of the EWSD exchange. We will know that the mean holding time square (MHTS) for the internet is above the mean holding time square for the voice which is only 1,5 minute for the voice 13, 4 minute for the internet with 2 Mbps channel and 20,2 minute for the internet with the analog channel. We have to find the solutions for this problems to keep a better communication.