

ABSTRACT

Impact of technology advancement and efficiency demands on providing of telecommunication services, it conduct the convergence to the applications based on IP packet data. Softswitch technology implementation is mediator between TDM network and IP network. Softswitch network promises bigger scalability on services, simplifying on network structure, flexibility of development, efficiency of bandwidth usage, lower cost on investment and operational than TDM network.

Migration planning from TDM network to softswitch network must observe capacity planning and load forecasting of services. Therefore network capacity planning must be initiated with measuring and forecasting of traffic, calculating call attempts dan traffic load, configuration and capacity planning of the network designed. Estimatng of totally implementation cost of the network until 2012 can be reached by detail references of investment dan operational cost. In other to get optimizing network configuration it is necessary several configuration alternatives and also consider to the existing condition, plan and policy of Service provider.

Keywords : *Softswitch, capacity, planning, cost.*