ABSTRACT

Conception Softswitch emerge from phenomenon of data network which have predominated communications network in this time. Important activity from the phenomenon is convergency and PSTN migration to network of telecommunications of future of Next Generation Network (NGN) being based on data.

Literally softswitch is switching base on software, generally softswitch system is a communications system using network element in the form of software as center of its call operation. This network element referred as softswitch or often be compared to Call Agent, Call Server, or Media Gateway Controller. Softswitch represent implementation from connectivity or "switch virtual" on the central of future generation which is distributed. The most important function is switching and call control, as the special function of circuit central, with the ability to serve client, phone subscriber, internet, and multimedia subscriber.

Especial viewpoint NGN concept is service covering voice, data, multimedia and internet. Service fenomena indicate that ability of traffic data volume have exceeded traffic voice, however service voice still represent biggest earnings contributor in telecommunications business.

In preparation enter era of NGN network, problem of product maturity, standard of protocol and interoperability usher vendor which still be limited have to become attention in order to do not generate internal issue on implementation of field NGN network. Beside that the operator need to determine focus of NGN service immediately which be performanced before doing PSTN to NGN migration.

In this article focus in migration technique that is expected can become one of reference in migration planning from PSTN network to next generation network with Softswitch basic. Analyzed focus in building configuration planning of first phase implementation with condition of PSTN network to integrated just from trunk exchange and local exchange.