

ABSTRACT

TELKOMFLEXI is a wireless technology of communications which is being developed by Divisi Fixed Wireless Access PT. Telkom that based on CDMA2000 1x technology. The system of CDMA2000 1x is representing 2.5 generation technology that represents band of migration CDMAONE to 3 generation technology which called CDMA2000 3x. Meanwhile, at this time softswitch grows rapidly as network technology.

Softswitch is a switching technology that consist of call control, call management, etc. Nowadays fixedphone (PSTN) have expanded toward to network technology base on softswitch. This system develops open source technology to create a network which integrates ably of various ability of services such as voice, data and multimedia. TELKOMFLEXI also instructs in the same direction.

This Final Project studied about interworking of softswitch and CDMA2000 1x, which focused at interaction of both systems from signaling side by doing evaluation to mapping and preparation from hardware and software of both systems.

The result of the research explains that softswitch which has open switching architecture is able to integrate many kinds of networks include softswitch technology itself that owning different functions of protocols. Then for the future PT. Telkom has no doubtfulness to plan core network of CDMAFLEXI to use softswitch for its switching system.