

ABSTRACTION

Softswitch is switching technology for *Next Generation Network* that is expected to fulfill all service such as : voice, data, multimedia and internet. *Softswitch* is also expected to fulfill migration needs from PSTN to Data Network. As new concept, *Softswitch* is also expected to give a better solution for any case/problem in PSTN, technically or non technically.

In the beginning, *Softswitch* application was develop from application in fixed line Telecommunication Network. Together with mobile telecommunication device development, it is develop a *Softswitch* application an wireless telecommunication network or *Wireless Softswitch*.

This development technology is done for giving architecture an open architecture and service for support wireless network that exist such as : GSM, CDMA, TDM, UMTS and etc. As a way to reach a better condition. Because of that *Telecommunication Operators* must prepare or get ready to receive that new technology.

Softswitch technology offers many kind of services, because by open architecture it can be implemented that is exist. So that it can be an advantage to telecommunication operator who use this *Softswitch* Technology. In the end, because the increasing of service for customer, *PSTN Network* is expected to be integrated with *Wireless Softswitch Network*.

This final project analyze the preparation of ability *PT. TELKOM Network* about *integration with Wireless Softswitch Technology*. Beside that it will discuss about the entity of hardware and software that is need to be installed in *Wireless Softswitch implementation*.