

ABSTRACT

Telecommunication operators are now offering landline (transmission line) voice service in addition to video and high speed data. However, cellular service is quickly becoming another important service for cable operators to offer to ensure that they stay in a competitive position with telephone companies.

This project is a documentary research to identify what is seamless mobile communications and its potential use by telecommunication operators. It includes a description of seamless mobile applications and their value, network approaches for seamless mobility, and considerations for power management, Quality of Service (QoS) security, and Network Address Translation (NAT) traversal. The paper concludes with a discussion of other seamless mobility concepts revolving around the connected home. Seamless Access Wireless LAN technology has not been launch and implement in Thailand. Since it is a new technology that will be launch as one of the service with GSM operator. Seamless Access Wireless LAN technology have been support by GSM World group. Right now there is many GSM operator who have join this project and they are moving to the second phase of implementation of the network, but none of Thailand GSM operator have join this project.

CDMA is not involved in this documentary research.. CDMA bandwidth itself is high and fast enough to access multimedia content without accessing through the Wireless LAN network. However CDMA signal in Thailand is not nation wide cover over the whole country. So that lead to low customer base and CDMA operator doesn't have enough fund to implement the network to support 3rd generation that is coming in the near future.