

ABSTRACT

This project seeks to improve wide area networks of Thai Farmers Bank by improve the communication network to support new applications that require more resource towards networking and new networks must be take care easy.

There are many problem of existing network that should to improve, first it can not support voice, image or new applications which use high resources, second the reliability of network is lower than 95% and third it is hard to manage.

The benefits of network implementation are increase reliability to 99.5%, more bandwidth to support voice, image and new service, improve response time and manage easy by use new network management system. The costs of networks are about 400 million baht and will involve a payback period in three and a half years. Techniques to evaluate this project by measuring network availability and response time of transaction.

The results of the project meet requirements but will be tuning to maximize availability, improved response time of application that runs on network.

