

ABSTRACT

The Communication Authority of Thailand (CAT) is the first telecommunication company that provides service in International Telephone. As International Telephone traffic volume continues to grow and the demand for more professional knowledge, technologies and other services is increasing, the telecommunication network is becoming more and more complex. Therefore this project is to develop the high quality product and network solutions for International Telephone System.

The current existing Digital Switching System is based on the technical manual and some computerized systems to control the operation of overall system. The latest technology design is based on Digital Switch called "Tandem Switch". Tandem Switch (Digital Switching System) is one of the major products in providing easy operation and maintenance, Advanced Capabilities and high performance. However the numerical data takes from all real source and make data nearly real data for easier to understand by simplified real data into assume data in comparison all data before and after installation Tandem Switch.

The new proposed Information System will be developed to solve some problems in CAT's Network to manage traffic efficiently. However, in the future Tandem Switch will be vital in the large network. It is easier to expand or to reduce network size and reduce the network cost.