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 Digital Switching System (Access Node Switching) has all the functions necessary for public switching such as: numbering, routing, charging, alarms handling, line measurements, coin box, etc. ANS is based on a small versatile autonomous exchanges supporting any mix of ordinary analogue subscribers and Euro-ISDN subscribers (PRA and BRA) expandable in small steps. "Access Node Switching" which is the one of a major product in providing easy operation and maintenance, Advanced Capabilities and high performance. However the numerical data takes from all real sources and make data nearly real data for easier to understand.

The new proposed Information System will be consisted of ANS which is flexible switching product covering a wide range of modern telecommunication for rural, sub-urban and overlay network.

However, in the future Access Node Switching will be provided a range of supplementary services to PSTN and ISDN subscribers. These services will offer revenue potential for network operators through the generation of extra call traffic as well as charging for the use of these services and reduce the network cost and also mention closely to protect CAT benefits since high volume of service is provided.