

## ABSTRACT

Overseas Purchasing System for Network Service Provider is an important system for many companies in the age of globalization. The project analyzes identifies the current problems of the existing system, and presents the design and implementation of the proposed computerized system. The existing overseas purchasing system operates using file sharing which leads to redundant work, and cannot support up-to-date decision-making. Also, the system consumes a lot of time for searching and retrieving information and the lack of database brings to inefficiency of managing information.

The proposed information system is developed to capture the data and transactions concerning overseas purchasing system in order to support the daily transaction of the operation level and the decision making of the management level. The alternative solutions to the problems are presented by the candidate system matrix and feasibility analysis matrix. Also, the project use cost and benefit analysis to shows the comparison between the cost of existing system and the proposed system

The design of the proposed system begins with study of user requirements for the system, modeling application architecture that includes network architecture, data distribution architecture, user interface and report design. Software design is also one of the most important steps to be performed. The structure chart is the primary tool used in structured design that requires Data Flow Diagrams (DFDS). One approach be used to derive a program structure chart from DFD is transform analysis.