

ABSTRACT

With the liberalization in the air transportation business in Thailand, Thai Airlines is the new airlines that has entered in to the airline business. The two major reasons for developing the system are the mission of the company consisting of the passenger transportation, and providing an aircraft for lease to other airlines. The other reason is the business policy. The company has a short live fleet policy which with the aircraft must be changed every 3 years.

A computerized information system plays an important role in the competitive advantage among competitors, thus some business redesign has been introduced to catch up with the fast changing airline business.

The scope of studying this project is based on the information collected for making a decision on purchasing and performing statistical analysis and feasibility analysis to make a purchase of the new aircraft until the purchase order, and the payment is made. The Management must be able to retrieve the information related to the purchase of the aircraft.

During the study, the existing system can be identified by interviewing the personel involved in the system, studying the concept of aircraft purchasing, studying the current problem and requirement together, and studying how to adapt the large and complex aircraft purchasing system into a simple system that can be applied to the medium sized airlines companies.

The project covers majors parts of Aircraft purchasing system and is developed in accordance with system analysis and design technique.