ABSTRACT

This project is conducted to the Administration System Analysis and Design of Royal Thai Customs Department, in particular to the emphasis on the Bangkok Port Customs Import and Export Bureau. The possibility of investment is assessed both qualitative and quantitative analysis. Analyzing problems of the existing system, the users' requirements are essential factors in formulating the appropriate solution as the recommended system.

The main purpose of this project is to present analysis of the current administration system, especially the Customs procedures, the import and export procedures, and the clearance of goods. Thus the Smart Card is designed as a proposed system that is strongly determined to solve the problems of the Customs Department so as to create better understanding and a new image by streamlining the working process (paperless), organizational management, human resources development, including the participant of the private sector for joint cooperation on the resolution of problems. The proposed system is specified by user requirements.

Nevertheless, smart card system still plays an important role to many businesses in Thailand, so the trend of smart card progression is expanding to many features and applications in the near future. Assessment of risk evaluation is a basic tool for supporting the recommended system. Further, the feasibility analysis for the proposed system leads to the decision of the investment, including cons and pros of the smart card system when is installed in the Customs Department. Gantt chart or implementation plan of the proposed system is defined briefly and easily to understand in real task and the highest productivity or beneficial outcome will be achieved by investing on the recommended system. Finally, the recommendation will also help to support the security system as a new feature in Thailand.