ABSTRACT

The smart card is one of the latest additions to the world of information technology. Similar in size to today's plastic payment card, the smart card has a microprocessor or memory chip embedded in it that, when coupled with a reader, has the processing power to serve many different applications. However, to implement smart card system in Thailand still be a complex task since there are some points that need to be considered such as smart card implementation cost, standard and specification of the smart card, the appropriate type of card to be used and the government response toward smart card implementation in Thailand.

The main contents presented in this paper are the fundamental knowledge about smart card system, the case study of the existing smart card application and the government response for smart card implementation in Australia, and analysis for smart card as Thailand national infrastructure.