A study on the behavioral intention of implementing RFID System — Taiwan logistics as an example

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Abstract

The research study aimed to find out about the factors that influence the behavioral intention for possible implementation of the Radio Frequency identification (RFID) system in almost all areas of Taiwan’s logistic management for their company’s improvement of efficiency.

A survey questionnaire adopted from various studies in business information systems was used to gather data for the study in order to answer the three specific research questions from the one hundred respondents randomly sampled from a selected group of possible RFID system users, working and residing in Taipei suburbs, Taiwan. The research found that the majority of the respondents believe that the adoption of the RFID system will improve the efficiency of the company’s operation, it can get jobs easily done, it is compatible with their current company’s needs, and their company has enough budget in informational technology that would be use for RFID implementation.

Keywords and phrases : Radio frequency identification system, logistics, science and technology, behavioral intention.

Introduction

Going to department stores and supermarkets would always mean long queue in the cashier lines and this has always been the biggest complaints of consumers through the past years. But according to RFID tag developers, these long queue at checkout counters would soon disappear because the present Universal Product Code (UPC) bar code will eventually