

Independent Study Title	Measuring Information Security Awareness Case Study : Headquarter of Provincial Electricity Authority
Author	Mr.Akkara Wattanayotin
Major/Faculty	Technology Management,College of Innovation Thammasat University
Advisors	Dr.Varanyu Suchivoraphanpong
Academic Year	2009

Abstract

The purpose of this research was to study the awareness and factors which were related to information security awareness of Provincial Electricity Authority employees at headquarter is explored guidelines how to improve the information security awareness in organization. Many principles were used as the research guideline, including, The relationship between knowledge, attitude and practice, Tricomponent Attitude Model and Awareness Process.

To achieve the stated objectives, the questionnaires were used as the research tool. The questionnaires were collected among 346 random samples from employees, who work in headquarter. Period of questionnaires collection was from December 2009 to January 2010. Statistical methods were used to analyze data by using frequency, percentage, average, standard deviation, T-test, One-Way Analysis of Variance (One-Way ANOVA) and Multiple Regression with level of significance at 0.05.

The results of this study show that the employee groups who have knowledge and behavior in the organization security policies was in the low level are the employees who have 26 – 30 years old, bachelor's degree graduate, 4 – 5 rank and 3 – 4 years of working experience. In the other word, new employee groups are risky to involve with information security risk.

Base on the result of this study, the suggestion is that the Provincial Electricity Authority should provide more training for the new employees, especially more

information in the organization security policies. Their attitude have to be adjusted as information security awareness is everyone responsibility to improve the information security awareness in organization.