ABSTRACT

With the development of information technology, the service provided by the campus information system becomes increasingly diverse; at the same time of enjoying conveniences, the private information of individuals and the confidential documents of organizations are gradually exposed to the security vulnerability. To raise the security degree of campus information service and enhance the cognition of information security of the members in organizations, the government is actively promoting college campuses to pass the audit of the information security management system. At present, ISO 27001 is the effective audit tool, but its control measures are quite complex. Therefore, how to simplify the control measures of ISO 27001 to reach the optimization in security theory and practice has become the topic attracting increasing attention. Therefore, the research will propose the ITIL and ISO 27001-based campus information security governance model and discuss the situation of the information security governance of a university in middle Taiwan with the case study method. The research process is that we first conduct in-depth interview to the personnel related to the research subjects, then deduce related propositions in accordance with strategies, technologies, organizations, human resources and environments, and finally offer a proposal for the information security governance strategies of college campus to ensure the sustainable operation of college campus information security governance.

Keywords: information security management、ITIL、ISO 27001、information technology governance、information security governance