

Constructing an Information Security Governance for University Campus Based on ITIL and ISO 27001 - A Case Study on Som

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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

Table of Contents

中文摘要	iii	英文摘要	iii
iv 誌謝辭		v 內容目錄	
vi 表目錄		viii 圖目錄	
ix 第一章 緒論	1	第一節 研究背景與動機	1
1 第二節 研究目的	2	第三節 研究限制	2
3 第四節 研究流程	4	第二章 文獻探討	4
7 第一節 資訊安全	7	第二節 資訊技術治理	7
16 第三節 資訊安全治理	20	第四節 ITIL與ISO 27001之探	20
26 第三章 研究設計與方法	40	第一節 研究設計	26
40 第二節 研究方法	42	第四章 研究過程與分析	40
49 第一節 個案探討	49	第二節 命題推導	49
54 第三節 研究成果	62	第五章 結論與建	54
63 第一節 結論	63	第二節	63
建議	64	參考文獻	66

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