A Study on Information Security Management for Wireless Local Area Networks-A Case Study on Some University in Middle Ta

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ABSTRACT

This thesis develops information security management for IEEE 802.11x wireless local area networks (WLAN) such that organizational security can be ensured. Campus is one kind of organization, and thus security issues of campus and business on WLAN are the same, such as privacy, confidentiality, etc. Therefore, it's urgent to protect the security of organization by the information security management. The thesis is based on ISO 27001 and CMMI for the information security management. ISO 27001 can provide the standardization for information security management, and CMMI can evaluate and improve information security management process. The case study on some university in middle Taiwan is discussed. We affirm that the derived results can not only strengthen the security of campus WLAN, but also provide enterprises and governments with useful information security management strategies.

Keywords : Wireless Local Area Networks ; Information Security Management ; ISO 27001 ; CMMI

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