

ABSTRACT

Information security is attempt to protect the computer and non-computer equipment, facilities, data, and information from abuse. Using information security management, expected to important information in a service can be kept. One of the services that require information security management is Telkom University Network Engine (TUNE), which is a service provider of internet network. TUNE is intended for all citizens of Telkom University. Stored information in TUNE is a username and password that will be used by the user to be able to login to the service. To determine the readiness TUNE services in information security management requires an assessment. In this study, assessment using framework of ISO / IEC 20000 which is mapped to the COBIT 5. From the results of mapping the framework, acquired three security management process. After doing research, obtained readiness assessment for all three processes. The information security policy, information security controls, and information security changes and incidents TUNE at the level PA 1.1 (performed process) where few or no evidence of systematic achievement of the purpose of the process. The institution wish that they can be achieve optimal targets at level 4 for the information security policy and information security control, while level 5 for the information security changes and incidents.

Keyword: Cobit 5, ISO/IEC 20000, TUNE