

ABSTRACT

The one of important element in good corporate governance is the technology information organization, it's including the governance of information security. Information security management systems in organization must be guarantee the most three important aspect it's called (CIA) confidentiality, integrity, and availability. In order to achieve an optimal system its require the standard that has been recognized and in accordance with the needs of the organization. According to a survey by Gartner in 2011, the most popular standard in the world is ISO 27001, and 29% of the respondents considering to use the standard of ISO family to provide their system and developing the system. In other side, ISO standards providing the international certification of the implementation information security management system, its called information security management system certification.

Pusjatan is the one of national government agencies who perform in public services related in research of roads and bridges. To improve their performance in public services and demands of TI as well as protecting the stakeholders, Pusjatan has planning to do the certification of ISO 27001:2013, which will begin in 2016. For the certification its required the preparation by measuring the gap that occurs in management system.

This researches is qualitative descriptive by conducting an auditing on 4 annex of ISO 27001:2013. This researches using primary and secondary data collection, the interviews were conducted to the TI division head of program and development, and manager of TI Pusjatan. The maturity model is using CMMI who has the 6 level of maturity.

The results of this auditing is show the level of maturity of information security policies (A.5), asset management (A.8), access control (A.9), and the physical and environmental security (A.11) in level-2 (ACTIVE) its describing ISMS in Pusjatan is active but its not optimal because the procedure is not well implementing, and the policies and activity of ISMS is not documented well.

For the good achieve the ISMS it must be according of the ISO 27001 standards, it needed the strategic ways, formulating, identification, and documentation of the policies. In other ways its needed for the monitoring, training, evaluation, and socialization the procedure and policies to become the optimal and good ISMS practice.

Keyword: ISO 27001:2013, Information Security Management System, Maturity Levels, Gap Analysis, Pusjatan Ministry of Public Works and Public Housing, Auditing