

ABSTRACT

The risks associated with the security of corporate information need to be well-managed, as information is one of the most valuable assets in conducting business operations. Good risk management can help the company plan risk controls to ensure that all information assets remain secure. Research on information risk management at PT Nusantara Turbin and Propulsi was conducted with reference to the ISO/IEC 27005:2018 guidelines on best practices for managing information risk. ISO/IEC 27005 itself is part of the ISO 27000 series that includes guidelines for implementing ISMS (Information Security Management System). The purpose of this research is to identify potential threats arising from ISO/IEC 27002 controls that have not been met by PT Nusantara Turbin and Propulsi, and then conduct a risk assessment on the main potential threats. The result of the risk assessment process identified 7 potential threats, and for each threat, risk control measures and action plans are proposed. The findings of this research can be used as a reference for conducting corporate information risk management analysis, especially for the risks that arise from non-compliance with ISO/IEC 27001 security controls.

Keywords: Information Risk Management, ISMS, ISO/IEC 27005:2018, ISO/IEC 27002:2022, ISO 27000 series, risk assessment, action plan.