

ABSTRACT
DESIGN OF INFORMATION SECURITY MANAGEMENT
SYSTEM USING FRAMEWORK ISO 27001: 2013 ON ANNEX

A.5 - ANNEX A.9

Case Study: PT. XYZ

By

IRFAN RYANTO

1106134201

Information is a valuable asset for the company, the ability to provide information quickly and accurately makes the company have a good managerial and can be a competitiveness for the company. Security issues are often overlooked from IT parties. PT. XYZ is a state-owned company and a company engaged in manufacturing, electronic information is one of the valuable assets of the company PT. XYZ, often companies do information processing which results are stored or shared. In accordance with the regulation of the Minister of Communication and Information No. 4 of 2016 concerning information security management systems, companies that implement high electronic systems must apply the ISO / IEC 27001 standard. This research is carried out by analyzing the current conditions of the company, then analyzing the gap on information security to the company. Risk assessment is the core of this research process, in the risk assessment some of the findings obtained will be analyzed and the risk level determined. The process of recommending recommendations is a follow-up of the risk assessment process, the entire process carried out in this study refers to ISO 27001: 2013. This research process can be used to minimize risks and as a form of compliance with regulations, laws and laws related to information security. The results of this study can also be used as reference materials that can be used to improve the effectiveness of information security.

Keywords: Information, Electronic information, Gap, risk assessment, ISO 27001: 2013