

ABSTRACT

The heart of every organization business is information technology they owned, to maintain security must be maintained. In Indonesia, the majority of providers of public services agencies have not been / is developing an information security framework that meets the standards of ISO 27001. One of them is PT INTI (Persero) Bandung. Several cases related to information security in the enterprise is often happen, therefore, carried out an audit to improve the information security management system in the company is needed.

This type of research is applied research, and this research include descriptive research and tend to qualitative research. Techniques to retrieve data and to validity is by triangulation techniques, a structured interview and other data retrieval by observation, study of documents, and photographs that are used to test the validity. Analysis was performed by reducing the data obtained were then analyzed with paper work gap analysis and then give the recommendations, and then calculated the level of maturity level for each annex. The model used is the maturity level CMMI (Capability Maturity Model Integration).

The results show the value of maturity level at Annex 5 was at 0.43 (PASSIVE), annex 7 is in level 3 (PRO-ACTIVE), annex 9 at the level of 2.5 (ACTIVE), annex 9 at the level of 2.5 (ACTIVE).

Keyword: *information security, information security audit, ISO 27001, Gap Analysis, Maturity level*