



SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

4th Year 2nd Semester 2016

Name: Asanka R

IT No: IT13071844

Practical Session: WE

Practical Number: Lab 5

Introduction

Virtusa Corporation (NASDAQ: VRTU) is a global information technology (IT) services company providing IT consulting, technology and outsourcing services.

Using their enhanced global delivery model, innovative software platforming approach and industry expertise, they provide high-value IT services that enable their clients to enhance business performance, accelerate time-to-market, increase productivity and improve customer service.

Why Virtusa needs an Information Security Management System?

Virtusa is a multinational company which holds large amount of information. Virtusa provides some services because of that it has servers. So those information should have been protected by well define manner. And also virtusa doing big Projects for some multinational business websites Virtusa needs Information Security Management System highly. As a business company needs a legal obligation under the Data Protection Act.

The ISO 27001 standard is designed to ensure that adequate and proportionate security controls are put in place to ensure Data Protection and protect sensitive company information and data in order to comply with Data Protection laws and also to gain customer confidence.

Benefits of implementing an Information Security Management System based on ISO/IEC 27000 series standards (ISO27k)

ISMS benefits

- Credibility, trust and confidence of your customer.
- Safeguard valuable data and intellectual property
- Great awareness of security.
- Securing confidentiality, integrity and availability.
- Compliance with legislation.
- Prevention of confidentiality breaches.
- Prevention of unauthorized alteration of critical information.
- Prompt detection of data leakage and fast reaction.
- Meeting international benchmarks of security.
- Organization will improve credibility and trust among internal stakeholder and external vendors
- Build trust internally and externally
- Satisfy audit requirements

Benefits of standardization

- Common framework for businesses to follow.
- Risk based approach to help plan and implement an Information Security Management System.
- ISO 27001 ensures the right people, processes, procedures and technologies are in place to protect information assets.
- ISO 27001 protects information and ensures its confidentiality, integrity and availability are maintained.
- Win new business and retain existing customer base
- Avoid the financial penalties and losses associated with data breaches
- Protect and enhance business reputation

ISMS costs

- Find a suitable project manager to implement ISMS.
- Prepare an overall information security management strategy.
- Project implementation planning.
- Employ/assign, manage, direct and track various project resources.
- Hold regular project management meeting involving key stakeholders.
- Identify and deal with project risk.
- Compile and inventory of information assets.
- Assess security risk to information assets.
- Assess and select a suitable certification body.