SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

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Introduction

Acer is a Taiwanese multinational hardware and electronics corporation specializing in advanced electronics technology and is headquartered in Xizhi, New Taipei City, Taiwan. Acer's products include desktop and laptop PCs, tablet computers, servers, storage devices, Virtual Reality devices, displays, LED, LCD and plasma televisions, smartphones and peripherals. It also provides e-business services to businesses, governments and consumers. In 2015, Acer was the sixth-largest personal computer vendor in the world. In the early 2000s, Acer implemented a new business model, shifting from a manufacturer to a designer, marketer and distributor of products, while performing production processes via contract manufacturers. In addition to its core business, Acer owns the largest franchised computer retail chain, AcerLand.

Why Acer needs an Information Security Management System?

Acer is a multinational computer technology company which holds large amount of information. Acer provides some services because of that it has severs. So that information should have been protected by well define manner. 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.
- ➢ Great awareness of security.
- ➢ Compliance with legislation.
- ➢ Securing confidentiality, integrity and availability.
- ➢ Prevention of confidentiality breaches.
- ➢ Prevention of unauthorized alteration of critical information.
- ➢ Prompt detection of data leakage and fast reaction.
- ➢ Meeting international benchmarks of security.

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.

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.

➢ Redesign the security architecture and security baseline.

➢ Assess and select a suitable certification body.