



SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

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Assignment 6

ISO 27001 Business Case Study

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Introduction

Apple Inc. is an American multinational technology company headquartered in Cupertino, California, that designs, develops, and sells consumer electronics, computer software, and online services. It's hardware products include the iPhone smartphone, the iPad tablet computer, the Mac personal computer, the iPod portable media player, the Apple Watch smartwatch, and the Apple TV digital media player. Apple's consumer software includes the OS X and iOS operating systems, the iTunes media player, the Safari web browser, and the iLife and iWork creativity and productivity suites. Its online services include the iTunes Store, the iOS App Store and Mac App Store, and iCloud.

Apple was founded by Steve Jobs, Steve Wozniak, and Ronald Wayne on April 1, 1976, to develop and sell personal computers. It was incorporated as Apple Computer, Inc. on January 3, 1977, and was renamed as Apple Inc. on January 9, 2007, to reflect its shifted focus toward consumer electronics. Apple (NASDAQ: AAPL) joined the Dow Jones Industrial Average on March 19, 2015.

Apple is the world's largest information technology company by revenue, the world's largest technology company by total assets, and the world's second-largest mobile phone manufacturer. In November 2014, in addition to being the largest publicly traded corporation in the world by market capitalization, Apple became the first U.S. company to be valued at over US\$700 billion. The company employs 115,000 permanent full-time employees as of July 2015 and maintains 478 retail stores in seventeen countries as of March 2016. It operates the online Apple Store and iTunes Store, the latter of which is the world's largest music retailer. There are over one billion actively used Apple products worldwide as of March 2016.

Why Apple needs an Information Security Management System?

Apple is a multinational Computer technology company which holds large amount of information. APPLE provides some services because of that it has servers. So those 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 27001 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.
- (Re-)design the security architecture and security baseline.
- Assess and select a suitable certification body.