



Sri Lanka Institute of Information Technology

Enterprise Standards and Best Practices for IT Infrastructure

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Introduction

Genesiis Software (Pvt) Ltd, named as one of Sri Lanka's most dynamic and reputed conglomerates, commenced operations in 1995 as a software developer with just 18 employees; now has expanded its footprint holding leading positions in domestic growth oriented sectors such as ICT, Healthcare, Retail, Financial Services, Automobiles and Leisure. The Group now provides employment to over 5,000 individuals generating a turnover of more than USD250. The Group's representations and strategic alliances with reputed global institutions and large multinational corporations confirm its unparalleled local stature.

Vision

To be the most preferred and trusted product and service provider, delivering high quality solutions to corporates and retail customers so as to set new industry standards and enhance shareholder value.

Mission

Making the right decisions to increase returns on money invested. Employing and rewarding the best, to leverage market potential and become the most admired corporate in Sri Lanka.

ICT Sector

Innovation, Dynamism & Exceptional Customer Service

Genesiis Software is a Software Development company providing offshore software development services. The Company also has capability and experience in employment and recruitment systems and Geographical Information Systems (GIS) and Satellite Imagery. Software product delivery is guaranteed through a mature and proven software development methodology geared for design, implementation and system evolution via an offshore services environment. The Company is committed to the timely delivery of user-friendly systems with zero defects, robust and extensible product design, disciplined and rigid project management, and dependable customer service.

Genesiis Software Information Technologies.

From the base of being one of the country's leading software and hardware solutions providers, Genesiis Software Information Technologies is determined to leverage its strengths to become a truly world-class company. A modest computer software company in the beginning with a vision to be the most preferred IT partner for corporate Sri Lanka. Today Genesiis Software Information Technologies is hailed as one of the pioneers and innovators of the information technology in Sri Lanka. Indeed, the company is currently the leading importer of personal computers to Sri Lanka. It also markets and distributes notebook computers, servers, storage, network infrastructure and printers. It looks to provide the world's best products and services to its customers, while consolidating its market leadership. Providing the world's best products

and services to our customers, while consolidating our market leadership, we have established key relationships with the above global brands.

Enterprise Solutions for the Corporate World

Genesiis Software Enterprise Solutions Team comprise of some of the best IT consultants and engineers in the industry backed by rich market experience and exposure in implementing some of the most complex solutions in the industry. Their team is independent to a particular brand and focuses our strengths in providing the best solutions based on an in-depth study of business challenges. They offer the following.

- Implementation of core switching and routing solutions.
- Security solutions, bandwidth management solutions.
- Data backup and archival solutions.
- Server and storage consolidating solutions.
- Single sign-on and identity management solutions.
- Disaster recovery and business continuity solutions.
- Wireless solutions, collaboration and messaging solutions.
- Structured cabling solutions, unified storage solutions.
- Call center solutions.
- Network and application monitoring solutions and data center infrastructure solutions.

Managed Services

They provide Outsource Services to their clients.

- Provide IT resource personnel and on site engineers to businesses.
- Provide IT help-desk facilities for businesses.
- Provide off-site data storage facilities.
- Maintenance contracts and services for non-Dell Products (HP, IBM, Lenovo, Acer, Locally assembled PC's).
- Maintenance contracts and services for all brands of printers (HP, Canon, Lexmark, Samsung, Ricoh, Xerox).
- Any other service required by IT departments to reduce running costs.

Why Genesiis Software needs an Information Security Management System?

Genesiis Software is a multinational Computer technology company which holds large amount of information. Genesiis Software 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 27000 series standards (ISO27k)

Every asset in every organization must be protected and information is an asset which must be protected as well. During the evolution of human race the value of information is growing constantly. The higher the value of information the more effectively it must be protected. There are a lot of schemes and mechanisms for information protection. One of the most popular systems that help organizations to establish information security is the ISMS defined by ISO 27000 standards. The benefits of implementing ISMS in this case seem obvious.

The ISMS is a system which drives the management of Information, regulates the information flows and builds an environment for information protection. The ISMS is not a single document or even a single process, it is a set of well-organized processes and documents. All the benefits of implementing ISMS derive from those well-organized processes and documentation.

Well organized ISMS help organizations to identify the assets subject to risks, evaluate and manage these risks in a proper manner, monitor the implemented controls. First of all management should define the scope of ISMS considering the type of the business and the mission of the company, the information assets and the technological infrastructure. The integral part of each ISMS is the Information Security Risk management. It can be either a process separated from the Organization's overall risk management or integrated in it. The phases of risk management methodology of ISMS are similar to other standards: Risk Identification, Risk assessment and Risk treatment.

By implementing ISMS the organizations can gain:

- Trust, confidence and credibility of its clients: The value of every company depends mainly on the level of its customers' satisfaction. Everybody will trust more a well-organized and certified company than others.
- Greater awareness of its security: The established ISMS will show the organization where its security is and how it will emerge.
- Compliance with regulatory requirements: Establishing the ISMS, especially when following the requirements of security standards, organizations more likely become compliant to regulatory requirements, because the regulators itself follow these standards.
- Confidentiality, integrity and availability of assets: As the ISMS is a system mainly designed for the information security it regulates and helps to provide the confidentiality, integrity and availability of assets.
- Prevention of security breaches: Implementation of controls designed by ISMS helps organizations to identify the vulnerabilities and security threats and prevent the security breaches.
- Prevention of unauthorized access of critical information: The ISMS establishes the classification of information assets and authorization for accessing classified assets.

- **Competitiveness:** The established ISMS adds to the value of organization as comprehensive operational guidelines and procedures of information security management system prevent security breaches and subsequent waste of resources and loss of clients' trust thus providing the organization with competitive advantage over competitors
- **Management commitment to the information security:** The ISMS makes the management pay more attention to the information security risks and issues.
- **Public recognition of its security benchmark:** Organizations can benchmark their achievement in ISMS and gain public recognition.

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.