

Some Questions

Is there anyone that has never heard of ISO Management Systems?

How many organizations certified to any ISO Management System Standard?

- Quality Management ISO 9001
- Environmental Management ISO 14001
- Aerospace AS 91XX

Are any organizations certified to ISMS ISO 27001



Agenda

- What are ISO Standards, Management Systems Standards (MSS), and the Information Security Management Systems (ISMS)
- Benefits of a MSS, particularly an ISMS
- Structure of Management Systems
- What is unique to ISMS
- Requirements particular to ISMS
- Questions and comments



What is a Management System Standard?

ISO Standards

ISO creates documents that provide requirements, specifications, guidelines or characteristics that can be used consistently to ensure that materials, products, processes and services are fit for their purpose https://www.iso.org/standards.html

Management System Standards

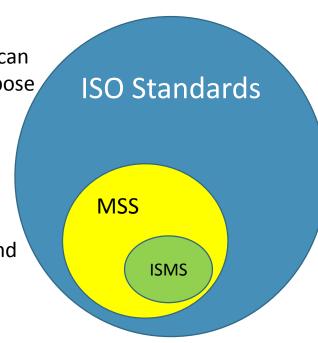
ISO Management System Standards (MSS) help organizations improve their performance by:

- Specifying repeatable steps consciously implemented to achieve their goals and objectives
- Creating a culture that reflexively engages in a continuous cycle of self-evaluation, correction, and improvement through heightened employee awareness and management leadership and commitment

https://www.iso.org/management-system-standards.html

Information Security Management System (ISMS)

An ISMS preserves the confidentiality, integrity and availability of Information by applying a risk management process and gives confidence to interested parties that risks are adequately managed ISO/IEC 27001:2013





ISMS Benefits

- Reduces information security incidents
- Reduces risk of financial loss*
- Improves conformance and compliance to requirements*
- Protects brand and reputation*
- Gives confidence to interested parties*
- Increases competitive advantage*
- Improves consistency across an organization*





Financial Impacts

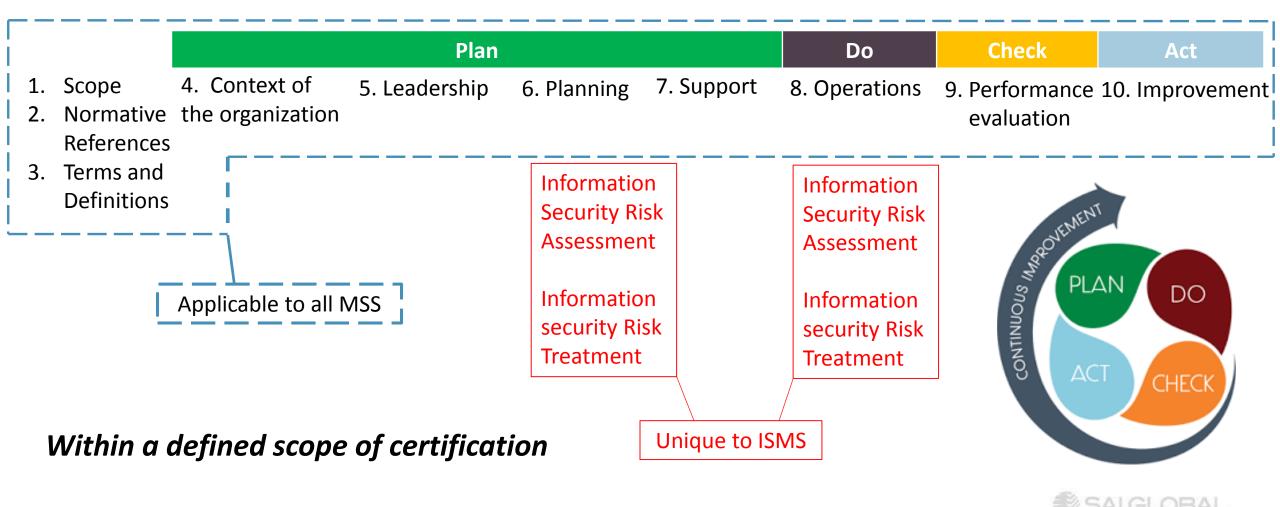
- Global average cost of a data breach is \$3.86m, +6.4% YoY
- Global cost for each lost or stolen record sensitive record \$148, +4.8% YoY
- Canada average breach cost \$4.7m
- US average breach cost \$7.9m

-Poneman Institute

*Common to all MMS

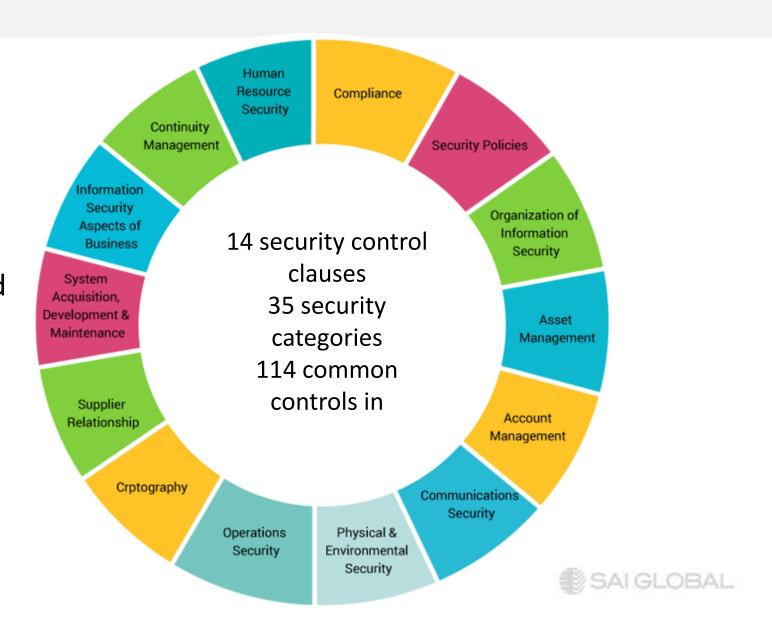


MSS Structure



ISMS Risk Assessment and Treatment

- Identify scope
- Identify Security Policy and Objectives
- Conduct Risk Assessment
- Document risk treatment planidentify controls implemented and justify those not implemented
- Implement Risk Treatment Plan



ISMS Key Points

- The ISMS establishes, implements, maintains, and continually improves information security management, preserving the confidentiality, integrity, and availability of Information
- The ISMS is influenced by the organizations needs and objectives, security requirements, organizational processes, size, and structure
- The ISMS is part of and integrated with the organization's processes and management structure and will be considered in the design of processes, information systems, and controls



Questions or Comments

Thank you

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