

Information Security Management System ISO 27001:2005

The security officer for your confidential information

In today's time of neck-to-neck competition, information is the most important strategic asset an organization has at its disposal. Loss of information, theft of confidential data, or damage of some critical documents, are harsh realities that can have a big-time impact on your business. Therefore, it is critical that any system holding your valuable information be protected through the use of an Information Security Management Systems (ISMS).

ISO 27001 is an international standard that offers a process driven approach i.e. Plan-Do-Check-Act (PDCA), which in turn reflect the guidelines governing the security of information systems and networks. So if you want to safeguard your information asset while making the process easier to manage, measure and improve, ISO 27001 is an effective solution for you.

The Three-Dimensional Protection for Your Information

Confidentiality

By implementing ISO 27001 in your organization, you ensure that the accessibility to even the smallest piece of information is restricted to those it is meant for.

Integrity

The ISO 27001 standard introduces a systematic process that safeguards the accuracy and completeness of information as well as the processing methods. This ensures continuity and restoration of your business in the situation of disaster.

Restricted Availability

By introducing ISO 27001 in your system, you make sure that only authorized users have access to your information and associated assets. This makes security management an easy task to handle.

The approach to information security

ISO 27001 covers 133 controls that include physical access, Logical access, active network component VPN, hardware and software.

Converging physical and logical security systems, means that a better picture of access control can be created, leading to tighter overall security.

Security management & principles

The core components of risk management, information security policy, procedures, standards, guidelines, baselines, classification, education, and security organization serves as a foundation of information security. Security controls are implemented and maintained to address the three interdependent principles present in all programs: Confidentiality, Integrity and Availability, also known as the "CIA triad."

Security management responsibilities

By implementing ISO 27001, you will have an easy access to the resources, funds, and strategic representation required for a security program. These assigned responsibilities get your ISMS off the ground and keep it thriving and evolving along with the changes in the environment.



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The approach to Information Security

Top-to-bottom approach

The top-to-bottom approach followed by ISO 27001, helps the top management to provide necessary support and direction which is cascaded down through middle-level management and then to staff members.

Risk management

Risk management is the process of identifying, analyzing, assessing, evaluating, and reducing risk to an acceptable level and implementing the right defense mechanisms to maintain an acceptable level of risk.

Security awareness

In order to achieve the desired results of the security program, an organization must communicate the "what, how and why" of security to their employees. This awareness should be comprehensive, tailored and organization-wide.

Business continuity and disaster management

Applying ISO 27001 in your systems, ensures continuity, recovery and restoration of the business in case of disaster. In emergency situations, this would involve moving critical systems to another environment while repairing the original facilities.

Legal compliance

ISO 27001 includes compliance to various civil, criminal and administrative (regulatory) laws such as intellectual property laws, trade secrets, copyrights, trademarks, patents, cyber crimes and data protection. To some extent ISO 27001 also covers the Sarbanes-oxley Act (SOX), GLBA & HIPAA in the US.

How Intertek can help

Intertek is accredited by the RVA (Dutch Accreditation Council) to provide registration and certification services for ISO 27001 (previously BS 7799). We not only ensure that our knowledge, expertise, experience and industry insight help you achieve your certification smoothly and cost-effectively, but we also provide you with our specialized services, such as pre-assessment visits, training, etc that makes the process adaptation even easier.

In addition to ISO 27001, Intertek can help you gain certification to a wide variety of other management system standards, including:

- ISO 9001:2000 - Quality
- AS 9100B:2004 - Aerospace
- ISO 13485:2003 - Medical Devices
- ISO 15378 :2005
- ISO 20000 :2005 - IT Service
- QC 80000:2005 - Hazardous Substance Process Management
- OHSAS 18001:1999 - Occupational Health and Safety
- ISO 14001:2004 - Environment
- ISO 22000:2005 - Food Safety
- Knowledge Solutions
- ISO/TS 16949:2002 - Automotive
- TL 9000:2007 - Telecommunications

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