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Readers discover a
managerially-focused overview

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of information security with a thorough treatment of how to most effectively administer it with MANAGEMENT OF INFORMATION SECURITY, 5E. Information throughout helps readers become information

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security management practitioners able to secure systems and networks in a world where continuously emerging threats, ever-present attacks, and the success of criminals illustrate the

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weaknesses in current information technologies. Current and future professional managers complete this book with the exceptional blend of skills and experiences to develop and manage the more

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secure computing environments that today's organizations need. This edition offers a tightened focus on key executive and managerial aspects of information security while still

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emphasizing the important foundational material to reinforce key concepts.

Updated content reflects the most recent developments in the field, including NIST, ISO, and security governance.

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or running an information security risk management program. This book teaches practical techniques that will be used on a daily basis, while also explaining the fundamentals so students

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understand the rationale behind these practices. It explains how to perform risk assessments for new IT projects, how to efficiently manage daily risk activities, and how to qualify the current

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risk level for presentation to executive level management. While other books focus entirely on risk analysis methods, this is the first comprehensive text for managing security risks. This

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book will help you to break free from the so-called best practices argument by articulating risk exposures in business terms. It includes case studies to provide hands-on experience using risk

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assessment tools to calculate the costs and benefits of any security investment. It explores each phase of the risk management lifecycle, focusing on policies and assessment processes that should be used

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to properly assess and mitigate risk. It also presents a roadmap for designing and implementing a security risk management program. This book will be a valuable resource for CISOs, security managers, IT

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managers, security consultants, IT auditors, security analysts, and students enrolled in information security/assurance college programs. Named a 2011 Best Governance and ISMS Book by

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InfoSec Reviews Includes case studies to provide hands-on experience using risk assessment tools to calculate the costs and benefits of any security investment Explores each phase of the risk

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management lifecycle, focusing on policies and assessment processes that should be used to properly assess and mitigate risk Presents a roadmap for designing and implementing a security risk management

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Computers at Risk presents a comprehensive agenda for developing nationwide policies and practices for computer security. Specific recommendations are provided

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for industry and for government agencies engaged in computer security activities. The volume also outlines problems and opportunities in computer security research, recommends ways to improve

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the research infrastructure, and suggests topics for investigators. The book explores the diversity of the field, the need to engineer countermeasures based on speculation of what experts

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think computer attackers may do next, why the technology community has failed to respond to the need for enhanced security systems, how innovators could be encouraged to bring more

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options to the marketplace, and balancing the importance of security against the right of privacy.

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information delivery. A compromise has to be struck between security and availability. This book is a pragmatic guide to information assurance for both business professionals and technical

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experts. This second edition includes the security of cloud-based resources."

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Information Systems for
Business and Beyond
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information security worldwide, there are few textbooks available that
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new business-driven security programs. In addition, the subject matter supports aspiring security engineers to forge a career path to successfully manage a security program, thereby adding value and reducing risk to the business. Readers learn how to translate technical

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challenges into business requirements, understand when to "go big or go home," explore in-depth defense strategies, and review tactics on when to absorb risks. This book explains how to properly plan and implement an infosec program based on business strategy and results.

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business-focused program

Computers at Risk

Information Security Management
Handbook, Sixth Edition

Information Security Management
Metrics

Information Security Policies,
Procedures, and Standards

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Concepts and Practice

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Covering a wealth of information that explains exactly how the industry works today, this book focuses on how you can set up an effective information security practice, hire the right people, and strike the best balance between security controls, costs, and risks.

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and standards to expose the real inner workings of what makes a security management program effective, covering the full gamut of subject matter pertaining to security management: organizational structures, security architectures, technical controls,

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governance frameworks, and operational security. This book was not written to help you pass your CISSP, CISM, or CISM or become a PCI-DSS auditor. It won't help you build an ISO 27001 or COBIT-compliant security management system, and it won't help you

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become an ethical hacker or digital forensics investigator – there are many excellent books on the market that cover these subjects in detail. Instead, this is a practical book that offers years of real-world experience in helping you focus on the getting the job done. What You

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of the job that you've not looked at before, or you might be a techie or risk guy wanting to switch into this challenging new career. Whatever your career goals are, Practical Security Management has something to offer you.

This book helps you to bring the

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information security of your organization to the right level by using the ISO/IEC 27001 standard. An organization often provides services or products for years before the decision is taken to obtain an ISO/IEC 27001 certificate. Usually, a lot has already been done

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in the field of information security, but after reading the requirements of the standard, it seems that something more needs to be done: an 'information security management system' must be set up. A what? This handbook is intended to help small and medium-

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sized businesses establish, implement, maintain and continually improve an information security management system in accordance with the requirements of the international standard ISO/IEC 27001. At the same time, this handbook is also intended to

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provide information to auditors who must investigate whether an information security management system meets all requirements and has been effectively implemented. This handbook assumes that you ultimately want your information security management system to be

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certified by an accredited certification body. The moment you invite a certification body to perform a certification audit, you must be ready to demonstrate that your management system meets all the requirements of the Standard. In this book, you will find detailed

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explanations, more than a hundred examples, and sixty-one common pitfalls. It also contains information about the rules of the game and the course of a certification audit. Cees van der Wens (1965) studied industrial automation in the Netherlands. In his role as Lead

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Auditor, the author has carried out dozens of ISO/IEC 27001 certification audits at a wide range of organizations. As a consultant, he has also helped many organizations obtain the ISO/IEC 27001 certificate. The author feels very connected to the standard

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because of the social importance of information security and the power of a management system to get better results.

The Growing Imperative Need for Effective Information Security Governance With monotonous regularity, headlines announce ever

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more spectacular failures of information security and mounting losses. The succession of corporate debacles and dramatic control failures in recent years underscores the necessity for information security to be tightly integrated into the fabric of every

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organization. The protection of an organization's most valuable asset information can no longer be relegated to low-level technical personnel, but must be considered an essential element of corporate governance that is critical to organizational success and

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Developing strategic metrics
Determining information security
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worms and the ongoing
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employees who exploit
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vulnerabilities of open
network protocols make
the tightness of an
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importance. And information systems technology is advancing at a frenetic pace. Against this background, the challenges facing information security

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professionals are

increasing rapidly.

Information Security

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involved in the security of information systems. By definition, information security exists to protect your organization's valuable information resources.

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But too often

information security
efforts are viewed as
thwarting business
objectives. An effective
information security
program preserves your

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information assets and
helps you meet business
objectives. Information
Security Policies,
Procedures, and
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for Effective

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Information Security

Management provides the tools you need to select, develop, and apply a security program that will be seen not as a nuisance but as a

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separately as needed, or you can use the entire text as a whole to form a comprehensive set of documents. The book contains checklists, sample policies,

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Management helps you
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improve every aspect of your enterprise's activities.

Spectacular security failures continue to dominate the headlines despite huge increases

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in security budgets and ever-more draconian regulations. The 20/20 hindsight of audits is no longer an effective solution to security weaknesses, and the

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activities and managing information risk. This work provides anyone with security and risk management responsibilities insight into these critical

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security questions: How secure is my organization? How much security is enough? What are the most cost-effective security solutions? How secure is

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my organization? You
can't manage what you
can't measure This
volume shows readers how
to develop metrics that
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organization to assure

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its information systems are functioning, secure, and supportive of the organization's business objectives. It provides a comprehensive overview of security metrics,

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discusses the current state of metrics in use today, and looks at promising new developments. Later chapters explore ways to develop effective

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strategic and management metrics for information security governance, risk management, program implementation and management, and incident management and response.

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The book ensures that every facet of security required by an organization is linked to business objectives, and provides metrics to measure it. Case studies

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effectively demonstrate specific ways that metrics can be implemented across an enterprise to maximize business benefit. With three decades of

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enterprise information
security experience,
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on the recent ISO/IEC
27001. Moreover, readers
are presented with
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management system (ISMS)
business context,
operations, and risk, to
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this invaluable book is
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outlining potential impacts of security objectives, technical security features by regulatory bodies (FISMA, HIPAA, PCI DSS and ISO 27000), common technical security features, and a sample risk rating chart.

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This new volume, Information Security Management Systems: A Novel Framework and Software as a Tool for Compliance with Information Security Standard, looks at information security management system standards,

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risk management associated with information security, and information security awareness within an organization. The authors aim to improve the overall ability of organizations to participate, forecast, and

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actively assess their information security circumstances. It is important to note that securing and keeping information from parties who do not have authorization to access such information is

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an extremely important issue. To address this issue, it is essential for an organization to implement an ISMS standard such as ISO 27001 to address the issue comprehensively. The authors of this new volume have

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constructed a novel security framework (ISF) and subsequently used this framework to develop software called Integrated Solution Modeling (ISM), a semi-automated system that will greatly help

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organizations comply with ISO 27001 faster and cheaper than other existing methods. In addition, ISM does not only help organizations to assess their information security compliance with ISO 27001, but it can also be

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used as a monitoring tool, helping organizations monitor the security statuses of their information resources as well as monitor potential threats. ISM is developed to provide solutions to solve

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obstacles, difficulties, and expected challenges associated with literacy and governance of ISO 27001. It also functions to assess the RISC level of organizations towards compliance with ISO 27001. The information

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provide here will act as blueprints for managing information security within business organizations. It will allow users to compare and benchmark their own processes and practices against these results shown

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and come up with new, critical insights to aid them in information security standard (ISO 27001) adoption.

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valuable asset possessed by an organisation. Information security management is the discipline that focuses on protecting and securing these assets against the threats of natural disasters, fraud and other

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criminal activity, user error and system failure. This Management Guide provides an overview of the two international information security standards, ISO/IEC 27001 and ISO 27002. These standards

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provide a basis for implementing information security controls to meet an organisation's own business requirements as well as a set of controls for business relationships with other parties. This Guide

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provides: An introduction and overview to both the standards The background to the current version of the standards Links to other standards, such as ISO 9001, BS25999 and ISO 20000 Links to frameworks such as CobiT

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and ITIL Above all, this handy book describes how ISO 27001 and ISO 27002 interact to guide organizations in the development of best practice information security management systems. Implement a robust SIEM

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collection,

parsing/normalization of
logs, rule engine, log

storage, and event
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Security based on ISO

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Management of Information

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Final Audit

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*defining what security measures
positively support the business, to
implementation to maintaining the
required level and anticipating
required changes. It covers:
Fundamentals of information
security – providing readers insight*

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and give background about what is going to be managed. Topics covered include: types of security controls, business benefits and the perspectives of business, customers, partners, service providers, and auditors. Fundamentals of

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*management of information
security - explains what
information security management
is about and its objectives. Details
are also given on implementing the
process and the continuous effort
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ITIL V3 and Information Security Management - shows the links with the other ITIL processes. Shows how integrating the Information Security Management activities into existing processes and activities not only supports

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efficiencies but ultimately is the key way to achieve effective

Information Security Management.

Implementing Information Security Management - gives practical

advice how to put Information

Security Management into practice.

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From awareness in the organization via documentation required to maturity models; this guidance describes best practices for realizing Information Security Management.

Discover the simple steps to

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implementing information security standards using ISO 27001, the most popular information security standard across the world. You'll see how it offers best practices to be followed, including the roles of all the stakeholders at the time of

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security framework

implementation, post-

implementation, and during

monitoring of the implemented

controls. Implementing an

Information Security Management

System provides implementation

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guidelines for ISO 27001:2013 to protect your information assets and ensure a safer enterprise environment. This book is a step-by-step guide on implementing secure ISMS for your organization. It will change the way you interpret and

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*What You Will Learn Discover
information safeguard methods
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within their organization. This book can also be used by developers with a basic knowledge of security concepts to gain a strong understanding of security standards for an enterprise.

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*Building a Practical Information
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*A Practical Development and
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*Design, Implementation,
Measurement, and Compliance*

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*A Complete Guide to Planning and
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*Implementing and Auditing an
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System in Small and Medium-Sized
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Cyber Security Management:

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***A Governance, Risk and
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Peter Trim and Yang-Im Lee
has been written for a wide
audience. Derived from
research, it places security
management in a holistic***

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context and outlines how the strategic marketing approach can be used to underpin cyber security in partnership arrangements. The book is unique because it integrates material that is of a highly

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can be interpreted by those
with a non-specialist
background in the area.
Indeed, those with a limited
knowledge of cyber security
will be able to develop a***

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***comprehensive understanding
of the subject and will be
guided into devising and
implementing relevant policy,
systems and procedures that
make the organization better
able to withstand the***

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increasingly sophisticated forms of cyber attack. The book includes a sequence-of-events model; an organizational governance framework; a business continuity management

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planning framework; a multi-cultural communication model; a cyber security management model and strategic management framework; an integrated governance mechanism; an

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***integrated resilience
management model; an
integrated management model
and system; a communication
risk management strategy;
and recommendations for
counteracting a range of cyber***

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***threats. Cyber Security
Management: A Governance,
Risk and Compliance
Framework simplifies complex
material and provides a multi-
disciplinary perspective and
an explanation and***

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***interpretation of how
managers can manage cyber
threats in a pro-active manner
and work towards
counteracting cyber threats
both now and in the future.***

Information Security

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***Management, Second Edition
arms students with answers to
the most critical questions
about the fields of
cybersecurity. It provides
students with references to
more in-depth study in areas***

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where they may need to specialize. The Second Edition covers operations—the job of day-to-day cybersecurity tasks—regulations, compliance, laws and policies, research and development,

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***and the creation of software
and cyber defenses for
security initiatives. Finally, the
text covers advanced R&D
involved in strategic aspects
of security developments for
threats that lay on the horizon.***

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Written for people who manage information security risks for their organizations, this book details a security risk evaluation approach called "OCTAVE." The book provides a framework for

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systematically evaluating and managing security risks, illustrates the implementation of self-directed evaluations, and shows how to tailor evaluation methods to the needs of specific

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organizations. A running example illustrates key concepts and techniques. Evaluation worksheets and a catalog of best practices are included. The authors are on the technical staff of the

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Software Engineering Institute.

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Information Security Policies,

Procedures, and Standards: A

Practitioner's Reference gives

you a blueprint on how to

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develop effective information security policies and procedures. It uses standards such as NIST 800-53, ISO 27001, and COBIT, and regulations such as HIPAA and PCI DSS as the foundation

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***for the content. Highlighting
key terminology, policy
development concepts and
methods, and suggested
document structures, it
includes examples, checklists,
sample policies and***

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procedures, guidelines, and a synopsis of the applicable standards. The author explains how and why procedures are developed and implemented rather than simply provide information

and examples. This is an important distinction because no two organizations are exactly alike; therefore, no two sets of policies and procedures are going to be exactly alike. This approach

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provides the foundation and understanding you need to write effective policies, procedures, and standards clearly and concisely. Developing policies and procedures may seem to be an

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overwhelming task. However, by relying on the material presented in this book, adopting the policy development techniques, and examining the examples, the task will not seem so

daunting. You can use the discussion material to help sell the concepts, which may be the most difficult aspect of the process. Once you have completed a policy or two, you will have the courage to take

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on even more tasks.

***Additionally, the skills you
acquire will assist you in other
areas of your professional and
private life, such as
expressing an idea clearly and
concisely or creating a project***

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plan.

***Implementing the ISO/IEC
27001:2013 ISMS Standard
Information Security
A Governance, Risk and
Compliance Framework
Full Fledged Information on***

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***Implementing End-to-End
Information Security with Real
Time Statistical Data and
Analysis
IT Governance and
Information Security
Implementing ISO 27001***

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Simplified

Administrators, more technically savvy than their managers, have started to secure the networks in a way they see as appropriate. When management catches up to the notion that security is important,

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system administrators have already altered the goals and business practices. Although they may be grateful to these people for keeping the network secure, their efforts do not account for all assets and business requirements Finally,

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Someone decides it is time to write a security policy. Management is told of the necessity of the policy document, and they support its development. A manager or administrator is assigned to the task and told to come up with

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something, and fast! Once security policies are written, they must be treated as living documents. As technology and business requirements change, the policy must be updated to reflect the new environment--at least one review

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per year. Additionally, policies must include provisions for security awareness and enforcement while not impeding corporate goals. This book serves as a guide to writing and maintaining these all-important security policies.

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Implementing An Information Security Management System

Drawing on international best practice, including ISO/IEC 27005, NIST SP800-30 and BS7799-3, the book explains in practical detail how to carry out an information security risk assessment. It covers key topics, such as risk scales,

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threats and vulnerabilities, selection of controls, and roles and responsibilities, and includes advice on choosing risk assessment software.

Discover the simple steps to implementing information security

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standards using ISO 27001, the most popular information security standard across the world. You'll see how it offers best practices to be followed, including the roles of all the stakeholders at the time of security framework implementation,

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post-implementation, and during monitoring of the implemented controls. Implementing an Information Security Management System provides implementation guidelines for ISO 27001:2013 to protect your information assets and

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ensure a safer enterprise environment. This book is a step-by-step guide on implementing secure ISMS for your organization. It will change the way you interpret and implement information security in your work area or organization.

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What You Will Learn Discover information safeguard methods Implement end-to-end information security Manage risk associated with information security Prepare for audit with associated roles and

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responsibilitiesIdentify your information riskProtect your information assetsWho This Book Is For Security professionals who implement and manage a security framework or security controls within their organization. This book

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can also be used by developers with a basic knowledge of security concepts to gain a strong understanding of security standards for an enterprise.

Information is the currency of the information age and in many cases

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is the most valuable asset possessed by an organisation. Information security management is the discipline that focuses on protecting and securing these assets against the threats of natural disasters, fraud and other criminal

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activity, user error and system failure. Effective information security can be defined as the 'preservation of confidentiality, integrity and availability of information.' This book describes the approach taken by many

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organisations to realise these objectives. It discusses how information security cannot be achieved through technological means alone, but should include factors such as the organisation's approach to risk and pragmatic day-

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to-day business operations. This Management Guide provides an overview of the implementation of an Information Security Management System that conforms to the requirements of ISO/IEC 27001:2005 and which uses

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controls derived from ISO/IEC 17799:2005. It covers the following:
Certification Risk Documentation and Project Management issues
Process approach and the PDCA cycle
Preparation for an Audit
A Definitive Guide to Effective

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Security Monitoring and
Measurement

Security Risk Management

Security in the Information Society

A Practitioner's Reference

Information Security based on ISO
27001/ISO 27002

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Cyber Security Management

IT governance seems to be one of the best strategies to optimize IT assets in an economic context dominated by information, innovation, and the race for performance. The multiplication

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of internal and external data and increased digital management, collaboration, and sharing platforms exposes organizations to ever-growing risks.

Understanding the threats, assessing the risks, adapting the

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organization, selecting and implementing the appropriate controls, and implementing a management system are the activities required to establish proactive security governance that will provide management and

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**customers the assurance of an
effective mechanism to manage
risks. IT Governance and
Information Security: Guides,
Standards, and Frameworks is a
fundamental resource to discover
IT governance and information**

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security. This book focuses on the guides, standards, and maturity frameworks for adopting an efficient IT governance and information security strategy in the organization. It describes numerous case studies from an

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**international perspective and
brings together industry
standards and research from
scientific databases. In this way,
this book clearly illustrates the
issues, problems, and trends
related to the topic while**

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promoting the international perspectives of readers. This book offers comprehensive coverage of the essential topics, including: IT governance guides and practices; IT service management as a key pillar for IT governance; Cloud

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**computing as a key pillar for Agile
IT governance; Information
security governance and maturity
frameworks. In this new book, the
authors share their experience to
help you navigate today's
dangerous information security**

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terrain and take proactive steps to measure your company's IT governance and information security maturity and prepare your organization to survive, thrive, and keep your data safe. It aspires to provide a relevant

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**reference for executive managers,
CISOs, cybersecurity
professionals, engineers, and
researchers interested in
exploring and implementing
efficient IT governance and
information security strategies.**

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Create appropriate, security-focused business propositions that consider the balance between cost, risk, and usability, while starting your journey to become an information security manager.

Covering a wealth of information

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that explains exactly how the industry works today, this book focuses on how you can set up an effective information security practice, hire the right people, and strike the best balance between security controls, costs, and risks.

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**Practical Information Security
Management provides a wealth of
practical advice for anyone
responsible for information
security management in the
workplace, focusing on the ‘how’
rather than the ‘what’. Together**

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**we'll cut through the policies,
regulations, and standards to
expose the real inner workings of
what makes a security
management program effective,
covering the full gamut of subject
matter pertaining to security**

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management: organizational structures, security architectures, technical controls, governance frameworks, and operational security. This book was not written to help you pass your CISSP, CISM, or CISMP or

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become a PCI-DSS auditor. It won't help you build an ISO 27001 or COBIT-compliant security management system, and it won't help you become an ethical hacker or digital forensics investigator – there are many

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excellent books on the market that cover these subjects in detail.

Instead, this is a practical book that offers years of real-world experience in helping you focus on the getting the job done. What You Will Learn Learn the

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**practical aspects of being an
effective information security
manager Strike the right balance
between cost and risk Take
security policies and standards
and make them work in reality
Leverage complex security**

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**functions, such as Digital
Forensics, Incident Response and
Security Architecture Who This
Book is For** This is a book for
anyone who wants to make a
difference in offering effective
security management for their

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business. You might already be a security manager seeking insight into areas of the job that you've not looked at before, or you might be a techie or risk guy wanting to switch into this challenging new career. Whatever your career

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goals are, Practical Security

**Management has something to
offer you.**

**While information security is an
ever-present challenge for all
types of organizations today, most
focus on providing security**

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without addressing the necessities of staff, time, or budget in a practical manner. Information Security Cost Management offers a pragmatic approach to implementing information security, taking budgetary and

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real

**Recent advances in technology
and new software applications are
steadily transforming human
civilization into what is called the
Information Society. This is
manifested by the new**

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terminology appearing in our daily activities. E-Business, E-Government, E-Learning, E-Contracting, and E-Voting are just a few of the ever-growing list of new terms that are shaping the Information Society. Nonetheless,

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as "Information" gains more prominence in our society, the task of securing it against all forms of threats becomes a vital and crucial undertaking.

Addressing the various security issues confronting our new

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Information Society, this volume is divided into 13 parts covering the following topics: Information Security Management; Standards of Information Security; Threats and Attacks to Information; Education and Curriculum for

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**Information Security; Social and
Ethical Aspects of Information
Security; Information Security
Services; Multilateral Security;
Applications of Information
Security; Infrastructure for
Information Security Advanced**

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Security; Tools for Information
Security. Security in the
Information Society: Visions and
Perspectives comprises the**

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**proceedings of the 17th
International Conference on
Information Security (SEC2002),
which was sponsored by the
International Federation for
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and jointly organized by IFIP**

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**Technical Committee 11 and the
Department of Electronics and
Electrical Communications of
Cairo University. The conference
was held in May 2002 in Cairo,
Egypt.**

Managing Information Security

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Risks

**Implementing Information
Security in Healthcare
Computer Security Management
Information Security
Management
Information Security**

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Implementing the ISO/IEC 27001

Information Security

Management System Standard

The book provides the complete
strategic understanding requisite
to allow a person to create and use

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the RMF process

recommendations for risk management. This will be the case both for applications of the RMF in corporate training situations, as well as for any individual who wants to obtain specialized

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knowledge in organizational risk management. It is an all-purpose roadmap of sorts aimed at the practical understanding and implementation of the risk management process as a standard entity. It will enable an

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"application" of the risk management process as well as the fundamental elements of control formulation within an applied context.

Building an Information Security Risk Management Program from

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the Ground Up