The Information Systems Security Officers Guide Second Edition Establishing And Managing An Information Protection Program

The Chief Security Officer’s Handbook: Leading Your Team into the Future offers practical advice on how to embrace the future, align with your organizations mission, and develop a program that meets the needs of the enterprise. The book discusses real-life examples of what to do to align with other critical departments, how to avoid spending time and resources on unnecessary and outdated methods, and tomorrow’s security program. Today’s security executives need to help their industry, their organization and the next generation of security leaders to pioneer, optimize and transform every aspect of our programs, technologies and methods. The book is ideal for current chief security officers, aspiring security executives, and those interested in better understanding the critical need to modernize corporate security. Offers suggestions on the do's and don’ts of professional development Provides tangible examples on how the CSO works collaboratively with internal peers Instructs CSO's on how to align with the business while remaining agile Illustrates the various paths to becoming a CSO Demonstrates ways to move your program into one that embraces enterprise security risk management, convergence and automation

Caught in the crosshairs of “Leadership” and “Information Technology”, Information Security professionals are increasingly tapped to operate as business executives. This often puts them on a career path they did not expect, in a field not yet clearly defined. IT training does not usually includemanagerial skills such as leadership, team-building, communication, risk assessment, and corporate business savvy, needed by CISOs. Yet a lack in any of these areas can short circuit a career in information security. CISO Leadership: Essential Principles for Success captures years of hard knocks, success stories, and yes, failures. This is not a how-to book or a collection of technical data. It does not cover products or technology or provide a recapitulation of the common body of knowledge. The book delineates information needed by security leaders and includes from-the-trenches advice on how to have a successful career in the field. With a stellar panel of contributors including William H. Murray, Harry Demaio, James Christiansen, Randy Sanovic, Mike Corby, Howard Schmidt, and other thought leaders, the book brings together the collective experience of trail blazers. The authors have learned through experience—been there, done that, have the t-shirt—and yes, the scars. A glance through the contents demonstrates the breadth and depth of coverage, not only in topics included but also in expertise provided by the chapter authors. They are the pioneers, who, while initially making it up as they went along, now provide the next generation of information security professionals with a guide to success.

The fourth edition of Principles of Information Security explores the field of information security and assurance with updated content including new innovations in technology and methodologies. Students will revel in the comprehensive coverage that includes a historical overview of information security, discussions on risk management and security technology, current certification information, and more. The text builds on internationally-recognized standards and bodies of knowledge to provide the knowledge and skills students need for their future roles as business decision-makers. Information security in the modern organization is a management issue which technology alone cannot answer; it is a problem that has important economic consequences for which management will be held accountable. Students can feel confident that they are using a standards-based, content-driven resource to prepare for their work in the field. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

"This book offers a comprehensive, end-to-end view of information security policies and frameworks from the raw organizational mechanics of building to the psychology of implementation. Written by an industry expert, it presents an effective balance between technical knowledge and soft skills, and introduces many different concepts of information security in clear simple terms such as governance, regulator mandates, business drivers, legal considerations, and much more. With step-by-step examples and real-world exercises, this book is a must-have resource for students, security officers, auditors, and risk leaders looking to fully understand the process of implementing successful sets of security policies and frameworks." --

With the growth in social networking and the potential for larger and larger breaches of sensitive data,it is vital for all enterprises to ensure that computer users adhere to corporate policy and project staff design secure systems. Written by a security expert with more than 25 years' experience, this book examines how fundamental staff awareness is to establishing security and addresses such challenges as containing threats, managing politics, developing programs, and getting a business to buy into a security plan. Illustrated with real-world examples throughout, this is a must-have guide for security and IT professionals.

Title page -- Foreword -- Acknowledgement -- A Security Parable -- Contents -- 1. Law and Standards faced with Market Rules -- 2. Why we need Standardisation in Healthcare Security -- 3. Overview on Security Standards for Healthcare Information Systems -- 4. Draft Standard for High Level Security Policies for Healthcare Establishments -- 5. Draft Secure Medical Database Standard -- 6. Demonstration Results for the Standard ENV 12924 -- 7. Secure HL7 Transactions Using Internet Mail (Internet Draft) -- 8. Standard Guide for EDI (HL7)Communication Security -- 9. Standard Guide for Implementing HL7 Communication Security -- 10. IT Security Training in the Healthcare Environment -- 11. Conclusions -- List of MEDSEC Deliverables -- List of MEDSEC Participants and their Addresses -- Author Index

This book presents a state-of-the-art review of current perspectives in information systems security in view of the information society of the 21st century. It will be essential reading for information technology security specialists, computer professionals, EDP managers, EDP auditors, managers, researchers and students working on the subject.

The International Foundation for Protection Officers (IFPO) has for many years provided materials to support its

certification programs. The current edition of this book is being used as the core text for the Security Supervision and Management Training/Certified in Security Supervision and Management (CSSM) Program at IFPO. The CSSM was designed in 1988 to meet the needs of the security supervisor or senior protection officer. The book has enjoyed tremendous acceptance and success in the past, and the changes in this third edition, vetted by IFPO, make it still more current and relevant. Updates include 14 new chapters, 3 completely revised chapters, "Student Performance Objectives" in each chapter, and added information on related resources (both print and online). * Completion of the Security Supervision and Management Program is the initial step toward the Certified in Security Supervision and Management (CSSM) designation * Over 40 experienced security professionals contribute chapters in their area of specialty * Revised throughout, and completely updated with 14 new chapters on topics such as Leadership, Homeland Security, Strategic Planning and Management, Budget Planning, Career Planning, and much more. * Quizzes at the end of each chapter allow for self testing or enhanced classroom work

Computer Security, Second Edition aims to present different ideas and practices that promote the prevention of attacks on computer systems and data being compromised. The book is divided into five parts. Part I covers the important elements of computer security and case histories of computer-related crimes. Part II discusses the organizations and models for the protection of information. Part III talks about the physical security involved and access control involved in data protection. Part IV deals with the different measures employed to promote security in the communication between computers. Part V explains systems security, its access control, and integrity. The text is recommended for people involved in the promotion of computer security, especially programmers and IT practitioners, in institutions where computer-processed information is crucial and must be protected.

100% coverage of every objective for the EC-Council’s Certified Chief Information Security Officer exam Take the challenging CCISO exam with confidence using the comprehensive information contained in this effective study guide. CCISO Certified Chief Information Security Officer All-in-One Exam Guide provides 100% coverage of all five CCISO domains. Each domain is presented with information mapped to the 2019 CCISO Blueprint containing the exam objectives as defined by the CCISO governing body, the EC-Council. For each domain, the information presented includes: background information; technical information explaining the core concepts; peripheral information intended to support a broader understating of the domain; stories, discussions, anecdotes, and examples providing real-world context to the information. • Online content includes 300 practice questions in the customizable Total Tester exam engine • Covers all exam objectives in the 2019 EC-Council CCISO Blueprint • Written by information security experts and experienced CISOs

Readers discover a managerially-focused overview 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 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 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 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 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. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The E-Government Act, passed by the 107th Congress and signed into law by the Pres. in Dec. 2002, recognized the importance of info. security to the economic and nat. security interests of the U.S. Title III of the Act, entitled the Fed. Info. Security Mgmt. Act (FISMA), emphasizes the need for each fed. agency to develop, document, and implement an enterprise-wide program to provide info. security for the info. systems that support the operations of the agency. FISMA directed the promulgation of fed. standards for: (1) the security categorization of fed. info. and info. systems based on the objectives of providing appropriate levels of info. security; and (2) minimum security requirements for info. and info. systems in each such category.

Managing Health Care Information Systems Managing Health Care Information Systems teaches key principles, methods, and applications necessary to provide access to timely, complete, accurate, legible, and relevant health care information. Written by experts for students and professionals, this well-timed book provides detailed information on the foundations of health care information management; the history, legacy, and future of health care information systems; the architecture and technologies that support health care information systems; and the challenges for senior management in information technology, such as organization, alignment with strategic planning, governance, planning initiatives, and assessing and achieving value. Comprehensive in scope, Managing Health Care Information Systems includes substantial discussion of data quality, regulation, laws, and standards; strategies for system acquisition, use, and support; and standards and security. Each chapter includes an overview and summary of the material, as well as learning activities. The activities provide students with the opportunity to explore more fully the concepts presented. Praise for Managing Health Care Information Systems "This is the first book that comprehensively describes both opportunities and issues in the effective management of information technology in health care." --James. I. Cash, Ph.D., retired James E. Robinson Professor, Harvard Business School, and chairman of IT Committee, Partners HealthCare System, Inc., Board of Trustees "The challenges of managing information systems and technology in an electronic health care environment are many. Finally here is a book that succinctly takes the reader from the basics to the boardroom in meeting such challenges. This book is a great resource." --Melanie S. Brodnik, Ph.D., director, Health Informatics and Information Management, The Ohio State University "Collaboration among authors--academicians and a nationally known CIO--has produced an excellent resource for graduate students and health care executives who wish to learn about health information technologies, systems, and their management." --Ramesh K. Shukla, Ph.D., professor and director, Williamson Institute for Healthcare

Leadership, Department of Health Administration, Virginia Commonwealth University

The Information Systems Security Officer's GuideEstablishing and Managing a Cyber Security ProgramButterworth-Heinemann

Security Controls Evaluation, Testing, and Assessment Handbook, Second Edition, provides a current and well-developed approach to evaluate and test IT security controls to prove they are functioning correctly. This handbook discusses the world of threats and potential breach actions surrounding all industries and systems. Sections cover how to take FISMA, NIST Guidance, and DOD actions, while also providing a detailed, hands-on guide to performing assessment events for information security professionals in US federal agencies. This handbook uses the DOD Knowledge Service and the NIST Families assessment guides as the basis for needs assessment, requirements and evaluation efforts. Provides direction on how to use SP800-53A, SP800-115, DOD Knowledge Service, and the NIST Families assessment guides to implement thorough evaluation efforts Shows readers how to implement proper evaluation, testing, assessment procedures and methodologies, with step-by-step walkthroughs of all key concepts Presents assessment techniques for each type of control, provides evidence of assessment, and includes proper reporting techniques

"This document provides a set of good practices related to covert channel analysis of systems employed for processing classified and other sensitive information. It's written to help vendors and evaluators understand covert channel analysis requirements. It contains suggestions and recommendations derived from Trusted Computer System Evaluation Criteria (TCSEC) objectives but which aren't required by the TCSEC. Computer security, Trusted Computer System Evaluation Criteria (TCSEC), Automated information system (AIS), Covert channel analysis, Operating systems."--DTIC.

While many agencies struggle to comply with Federal Information Security Management Act (FISMA) regulations, those that have embraced its requirements have found that their comprehensive and flexible nature provides a sound security risk management framework for the implementation of essential system security controls. Detailing a proven appro

An excellent Guide of Chief information security officer. A 'Chief Information Security Officer' ('CISO') is the senior-level head inside an business accountable for founding and keeping the organization apparition, plan of action and programme to establish data resources and applications of tools and methods are ample saved. The CISO manages workforce in recognizing, elaborating, executing and keeping actions athwart the business to lessen data and data technics (IT) hazards. They answer to events, demonstrate suitable norms and powers, run safeguarding applications of tools and methods, and straight the formation and effectuation of rules and regulations and methods. The CISO is as well normally accountable for information-related acquiescence. There has never been a Chief information security officer Guide like this. It contains 28 answers, much more than you can imagine; comprehensive answers and extensive details and references, with insights that have never before been offered in print. Get the information you need--fast! This all-embracing guide offers a thorough view of key knowledge and detailed insight. This Guide introduces what you want to know about Chief information security officer. A quick look inside of some of the subjects covered: Corporate title - C-level titles, TIBCO - Products, Chief information security officer, Information system - Overview, EC-Council - IT Security Professional Certifications, Jericho Forum, Information technology controls - IT controls and the CIO/CISO, Security breaches - The cyber security job market, Computer security Legal issues and global regulation, Information systems - Overview, Computer Security Institute, Glossary of business and management terms - Acronyms, Chief Security Officer, Information systems (discipline) - Overview, In-Q-Tel - Other related personnel, Cyber security - Legal issues and global regulation, Adobe Systems - Source code and customer data breach, and much more...

Servers are frequently targeted by attackers because of the value of their data and services. For example, a server might contain personally identifiable info. that could be used to perform identity theft. This document is intended to assist organizations in installing, configuring, and maintaining secure servers. More specifically, it describes, in detail, the following practices to apply: (1) Securing, installing, and configuring the underlying operating system; (2) Securing, installing, and configuring server software; (3) Maintaining the secure configuration through application of appropriate patches and upgrades, security testing, monitoring of logs, and backups of data and operating system files. Illus.

Chief Information Security Officers are bombarded with huge challenges every day, from recommending security applications to strategic thinking and business innovation. This guide describes the hard and soft skills that a successful CISO requires: not just a good knowledge of information security, but also attributes such as flexibility and communication skills.

Effective and practical security officer training is the single most important element in establishing a professional security program. The Effective Security Officer's Training Manual, Second Edition helps readers improve services, reduce turnover, and minimize liability by further educating security officers. Self-paced material is presented in a creative and innovative style Glossaries, summaries, questions, and practical exercises accompany each chapter

The Information Systems Security Officer's Guide: Establishing and Managing a Cyber Security Program, Third Edition, provides users with information on how to combat the ever-changing myriad of threats security professionals face. This entirely updated edition presents practical advice on establishing, managing, and evaluating a successful information protection program in a corporation or government agency, covering everything from effective communication to career guidance for the information security officer. The book outlines how to implement a new plan or evaluate an existing one, and is especially targeted to those who are new to the topic. It is the definitive resource for learning the key characteristics of an effective information systems security officer (ISSO), and paints a comprehensive portrait of an ISSO's duties, their challenges, and working environments, from handling new technologies and threats, to performing information security duties in a national security environment. Provides updated chapters that reflect the latest technological changes and advances in countering the latest information security threats and risks and how they relate to corporate security and crime investigation Includes new topics, such as forensics labs and information warfare, as well as how to liaison with attorneys, law enforcement, and other agencies others outside the organization Written in an accessible, easy-to-read style

Clearly addresses the growing need to protect information and information systems in the global marketplace.

Building a Practical Information Security Program provides users with a strategic view on how to build an information security program that aligns with business objectives. The information provided enables both executive management and IT managers not only to validate existing security programs, but also to build 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 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. Provides a roadmap on how to build a security program that will protect companies from intrusion Shows how to focus the security program on its essential mission and move past FUD (fear, uncertainty, and doubt) to provide business value Teaches how to build consensus with an effective business-focused program

Security practitioners must be able to build a cost-effective security program while at the same time meet the

requirements of government regulations. This book lays out these regulations in simple terms and explains how to use the control frameworks to build an effective information security program and governance structure. It discusses how organizations can best ensure that the information is protected and examines all positions from the board of directors to the end user, delineating the role each plays in protecting the security of the organization.

Computers at Risk presents a comprehensive agenda for developing nationwide policies and practices for computer security. Specific recommendations are provided 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 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 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 options to the marketplace, and balancing the importance of security against the right of privacy.

This glossary provides a central resource of definitions most commonly used in Nat. Institute of Standards and Technology (NIST) information security publications and in the Committee for National Security Systems (CNSS) information assurance publications. Each entry in the glossary points to one or more source NIST publications, and/or CNSSI-4009, and/or supplemental sources where appropriate. This is a print on demand edition of an important, hard-to-find publication.

FISMA and the Risk Management Framework: The New Practice of Federal Cyber Security deals with the Federal Information Security Management Act (FISMA), a law that provides the framework for securing information systems and managing risk associated with information resources in federal government agencies. Comprised of 17 chapters, the book explains the FISMA legislation and its provisions, strengths and limitations, as well as the expectations and obligations of federal agencies subject to FISMA. It also discusses the processes and activities necessary to implement effective information security management following the passage of FISMA, and it describes the National Institute of Standards and Technology's Risk Management Framework. The book looks at how information assurance, risk management, and information systems security is practiced in federal government agencies; the three primary documents that make up the security authorization package: system security plan, security assessment report, and plan of action and milestones; and federal information security-management requirements and initiatives not explicitly covered by FISMA. This book will be helpful to security officers, risk managers, system owners, IT managers, contractors, consultants, service providers, and others involved in securing, managing, or overseeing federal information systems, as well as the mission functions and business processes supported by those systems. Learn how to build a robust, near real-time risk management system and comply with FISMA Discover the changes to FISMA compliance and beyond Gain your systems the authorization they need

The RMF allows an organization to develop an organization-wide risk framework that reduces the resources required to authorize a systems operation. Use of the RMF will help organizations maintain compliance with not only FISMA and OMB requirements but can also be tailored to meet other compliance requirements such as Payment Card Industry (PCI) or Sarbanes Oxley (SOX). With the publishing of NIST SP 800-37 in 2010 and the move of the Intelligence Community and Department of Defense to modified versions of this process, clear implementation guidance is needed to help individuals correctly implement this process. No other publication covers this topic in the detail provided in this book or provides hands-on exercises that will enforce the topics. Examples in the book follow a fictitious organization through the RMF, allowing the reader to follow the development of proper compliance measures. Templates provided in the book allow readers to quickly implement the RMF in their organization. The need for this book continues to expand as government and non-governmental organizations build their security programs around the RMF. The companion website provides access to all of the documents, templates and examples needed to not only understand the RMF but also implement this process in the reader’s own organization. A comprehensive case study from initiation to decommission and disposal Detailed explanations of the complete RMF process and its linkage to the SDLC Hands on exercises to reinforce topics Complete linkage of the RMF to all applicable laws, regulations and publications as never seen before