

Data Protection Risk Assessment

data protection risk assessment: Data Protection Implementation Guide Brendan Quinn, 2021-09-02 The complexities of implementing the General Data Protection Regulation (GDPR) continue to grow as it progresses through new and ever-changing technologies, business models, codes of conduct, and decisions of the supervisory authorities, and the courts. This eminently practical guide to implementing the GDPR - written in an original, problem-solving style by a highly experienced data protection expert with equal knowledge of both law and technology - provides a step-by-step project management approach to building a GDPR-compliant data protection system, assessing, and documenting the risks and then implementing these changes through processes at the operational level. With detailed attention to case law (Member State, ECJ, and ECHR), especially where affecting high-risk areas that have attracted scrutiny, the guidance proceeds systematically through such topics and issues as the following: required documentation, policies, and procedures; risk assessment tools and analysis frameworks; children's data; employee and health data; international transfers post-Schrems II; data subject rights including the right of access; data retention and erasure; tracking and surveillance; and effects of technologies such as artificial intelligence, biometrics, and machine learning. With its practical examples derived from the author's experience in building GDPR-compliant software, as well as its analysis of case law and enforcement priorities, this incomparable guide enables company data protection officers and compliance staff to advise on key issues with full awareness of the legal and reputational risks and how to mitigate them. It is also sure to be of immeasurable value to concerned regulators and policymakers at all government levels. "...it's going to be the go to resource for practitioners." Tom Gilligan, Data Protection Consultant, September 2021 I purchased this book recently and I'm very glad I did. It's the textbook I have been waiting for. As someone relatively new to data protection, I was finding it very difficult to find books on the practical side of data protection. This book is very clearly laid out with practical examples and case law given for each topic, which is immensely helpful. I would recommend it to any data protection practitioners. Jennifer Breslin, LLM CIPP/E, AIPP Member

data protection risk assessment: The Risk-based Approach to Data Protection Raphaël Gellert, 2020 This title provides an extensive analysis of the risk-based approach taken to data protection. It also considers risk management methodologies and provides discussions at the intersection of data protection law scholarship, regulation theory, and risk and risk management literature.

data protection risk assessment: Information Security Risk Assessment Toolkit Mark Talabis, Jason Martin, 2012-10-26 In order to protect company's information assets such as sensitive customer records, health care records, etc., the security practitioner first needs to find out: what needs protected, what risks those assets are exposed to, what controls are in place to offset those risks, and where to focus attention for risk treatment. This is the true value and purpose of information security risk assessments. Effective risk assessments are meant to provide a defensible analysis of residual risk associated with your key assets so that risk treatment options can be explored. Information Security Risk Assessment Toolkit gives you the tools and skills to get a quick, reliable, and thorough risk assessment for key stakeholders. Based on authors' experiences of real-world assessments, reports, and presentations Focuses on implementing a process, rather than theory, that allows you to derive a quick and valuable assessment Includes a companion web site with spreadsheets you can utilize to create and maintain the risk assessment

data protection risk assessment: Security Risk Management for the Internet of Things John Soldatos, 2020-06-15 In recent years, the rising complexity of Internet of Things (IoT) systems has increased their potential vulnerabilities and introduced new cybersecurity challenges. In this context, state of the art methods and technologies for security risk assessment have prominent

limitations when it comes to large scale, cyber-physical and interconnected IoT systems. Risk assessments for modern IoT systems must be frequent, dynamic and driven by knowledge about both cyber and physical assets. Furthermore, they should be more proactive, more automated, and able to leverage information shared across IoT value chains. This book introduces a set of novel risk assessment techniques and their role in the IoT Security risk management process. Specifically, it presents architectures and platforms for end-to-end security, including their implementation based on the edge/fog computing paradigm. It also highlights machine learning techniques that boost the automation and proactiveness of IoT security risk assessments. Furthermore, blockchain solutions for open and transparent sharing of IoT security information across the supply chain are introduced. Frameworks for privacy awareness, along with technical measures that enable privacy risk assessment and boost GDPR compliance are also presented. Likewise, the book illustrates novel solutions for security certification of IoT systems, along with techniques for IoT security interoperability. In the coming years, IoT security will be a challenging, yet very exciting journey for IoT stakeholders, including security experts, consultants, security research organizations and IoT solution providers. The book provides knowledge and insights about where we stand on this journey. It also attempts to develop a vision for the future and to help readers start their IoT Security efforts on the right foot.

data protection risk assessment: The Risk-based Approach to Data Protection Raphaël Gellert, 2020 This title provides an extensive analysis of the risk-based approach taken to data protection. It also considers risk management methodologies and provides discussions at the intersection of data protection law scholarship, regulation theory, and risk and risk management literature.

data protection risk assessment: Science and Decisions National Research Council, Division on Earth and Life Studies, Board on Environmental Studies and Toxicology, Committee on Improving Risk Analysis Approaches Used by the U.S. EPA, 2009-03-24 Risk assessment has become a dominant public policy tool for making choices, based on limited resources, to protect public health and the environment. It has been instrumental to the mission of the U.S. Environmental Protection Agency (EPA) as well as other federal agencies in evaluating public health concerns, informing regulatory and technological decisions, prioritizing research needs and funding, and in developing approaches for cost-benefit analysis. However, risk assessment is at a crossroads. Despite advances in the field, risk assessment faces a number of significant challenges including lengthy delays in making complex decisions; lack of data leading to significant uncertainty in risk assessments; and many chemicals in the marketplace that have not been evaluated and emerging agents requiring assessment. *Science and Decisions* makes practical scientific and technical recommendations to address these challenges. This book is a complement to the widely used 1983 National Academies book, *Risk Assessment in the Federal Government* (also known as the Red Book). The earlier book established a framework for the concepts and conduct of risk assessment that has been adopted by numerous expert committees, regulatory agencies, and public health institutions. The new book embeds these concepts within a broader framework for risk-based decision-making. Together, these are essential references for those working in the regulatory and public health fields.

data protection risk assessment: Privacy Impact Assessment David Wright, Paul de Hert, 2011-12-22 Virtually all organisations collect, use, process and share personal data from their employees, customers and/or citizens. In doing so, they may be exposing themselves to risks, from threats and vulnerabilities, of that data being breached or compromised by negligent or wayward employees, hackers, the police, intelligence agencies or third-party service providers. A recent study by the Ponemon Institute found that 70 per cent of organisations surveyed had suffered a data breach in the previous year. Privacy impact assessment is a tool, a process, a methodology to identify, assess, mitigate or avoid privacy risks and, in collaboration with stakeholders, to identify solutions. Contributors to this book – privacy commissioners, academics, consultants, practitioners, industry representatives – are among the world's leading PIA experts. They share their experience and offer their insights to the reader in the policy and practice of PIA in Australia, Canada, New

Zealand, the United Kingdom, the United States and elsewhere. This book, the first such on privacy impact assessment, will be of interest to any organisation that collects or uses personal data and, in particular, to regulators, policy-makers, privacy professionals, including privacy, security and information officials, consultants, system architects, engineers and integrators, compliance lawyers and marketing professionals. In his Foreword, surveillance studies guru Gary Marx says, "This state-of-the-art book describes the most comprehensive tool yet available for policy-makers to evaluate new personal data information technologies before they are introduced." This book could save your organisation many thousands or even millions of euros (or dollars) and the damage to your organisation's reputation and to the trust of employees, customers or citizens if it suffers a data breach that could have been avoided if only it had performed a privacy impact assessment before deploying a new technology, product, service or other initiative involving personal data.

data protection risk assessment: 88 Privacy Breaches Everyone Should Know Kevin Shepherdson, William Hioe, Lyn Boxall, 2016-09-06 · Provides practical advice on where data breaches occur within a company and how to prevent them · Organized into topics so reader can relate to his/her own area of work · Written in simple English without legal language · Original illustrations · Includes examples with photographs of actual situations where data/privacy breaches occur · Author available for in-store activities in Singapore

data protection risk assessment: Privacy Program Management, Third Edition Russell Densmore, 2021-12

data protection risk assessment: *The Security Risk Assessment Handbook* Douglas Landoll, 2016-04-19 The Security Risk Assessment Handbook: A Complete Guide for Performing Security Risk Assessments provides detailed insight into precisely how to conduct an information security risk assessment. Designed for security professionals and their customers who want a more in-depth understanding of the risk assessment process, this volume contains real-world

data protection risk assessment: Science and Judgment in Risk Assessment National Research Council, Division on Earth and Life Studies, Board on Environmental Studies and Toxicology, Commission on Life Sciences, Committee on Risk Assessment of Hazardous Air Pollutants, 1994-01-01 The public depends on competent risk assessment from the federal government and the scientific community to grapple with the threat of pollution. When risk reports turn out to be overblown—or when risks are overlooked—public skepticism abounds. This comprehensive and readable book explores how the U.S. Environmental Protection Agency (EPA) can improve its risk assessment practices, with a focus on implementation of the 1990 Clean Air Act Amendments. With a wealth of detailed information, pertinent examples, and revealing analysis, the volume explores the default option and other basic concepts. It offers two views of EPA operations: The first examines how EPA currently assesses exposure to hazardous air pollutants, evaluates the toxicity of a substance, and characterizes the risk to the public. The second, more holistic, view explores how EPA can improve in several critical areas of risk assessment by focusing on cross-cutting themes and incorporating more scientific judgment. This comprehensive volume will be important to the EPA and other agencies, risk managers, environmental advocates, scientists, faculty, students, and concerned individuals.

data protection risk assessment: *APEC Privacy Framework*, 2005

data protection risk assessment: *Inference Control in Statistical Databases* Josep Domingo-Ferrer, 2002-04-17 Inference control in statistical databases, also known as statistical disclosure limitation or statistical confidentiality, is about finding tradeoffs to the tension between the increasing societal need for accurate statistical data and the legal and ethical obligation to protect privacy of individuals and enterprises which are the source of data for producing statistics. Techniques used by intruders to make inferences compromising privacy increasingly draw on data mining, record linkage, knowledge discovery, and data analysis and thus statistical inference control becomes an integral part of computer science. This coherent state-of-the-art survey presents some of the most recent work in the field. The papers presented together with an introduction are organized in topical sections on tabular data protection, microdata protection, and software and user case

studies.

data protection risk assessment: *The Foundations of EU Data Protection Law* Orla Lynskey, 2015-11-26 Nearly two decades after the EU first enacted data protection rules, key questions about the nature and scope of this EU policy, and the harms it seeks to prevent, remain unanswered. The inclusion of a Right to Data Protection in the EU Charter has increased the salience of these questions, which must be addressed in order to ensure the legitimacy, effectiveness and development of this Charter right and the EU data protection regime more generally. The Foundations of EU Data Protection Law is a timely and important work which sheds new light on this neglected area of law, challenging the widespread assumption that data protection is merely a subset of the right to privacy. By positioning EU data protection law within a comprehensive conceptual framework, it argues that data protection has evolved from a regulatory instrument into a fundamental right in the EU legal order and that this right grants individuals more control over more forms of data than the right to privacy. It suggests that this dimension of the right to data protection should be explicitly recognised, while identifying the practical and conceptual limits of individual control over personal data. At a time when EU data protection law is sitting firmly in the international spotlight, this book offers academics, policy-makers, and practitioners a coherent vision for the future of this key policy and fundamental right in the EU legal order, and how best to realise it.

data protection risk assessment: *Risk Assessments and Safe Machinery* Torben Jespen, 2016-05-03 This book describes the prerequisites for the placing on the market and the safe use of machinery in compliance with the relevant EU Directives, especially the Machinery Directive 2006/42. It provides readers with high-level knowledge concerning the Essential Health and Safety Requirements (EHSR) that machinery must fulfill. The approach and principles of the Machinery Directive were most recently made worldwide acknowledged in the ILO code of practice on safe machinery, released in 2013. The book addresses that code, as well as providing valuable insight into other EU Product and Workplace legislation. Focusing on the key aspect of safe machinery, the “machinery safety risk assessment”, which allows readers to better understand the more difficult aspects of risk assessments, the book equips readers to tackle problems at the manufacturing stage and in different use scenarios, introducing them to risk reduction techniques and functional safety aspects.

data protection risk assessment: *Societal Risk Assessment* Richard C. Schwing, Walter A. Albers, 2013-12-19 This volume constitutes the papers and discussions from a symposium on Societal Risk Assessment: How Safe is Safe Enough? held at the General Motors Research Laboratories on October 8-9, 1979. This symposium was the twenty-fourth in an annual series sponsored by the Research Laboratories. Initiated in 1957, these symposia have as their objective the promotion of the interchange of knowledge among specialists from many allied disciplines in rapidly developing or changing areas of science or technology. Attendees characteristically represent the academic, government, and industrial institutions that are noted for their ongoing activities in the particular area of interest. The objective of this symposium was to develop a balanced view of the current status of societal risk assessment's role in the public policy process and then to establish, if possible, future directions of research. Accordingly, the symposium was structured in two dimensions; certainty versus uncertainty and the subjective versus the objective. Furthermore, people representing extremely diverse disciplines concerned with the perception, quantification, and abatement of risks were brought together to provide an environment that stimulated the exchange of ideas and experiences. The keys to this exchange were the invited papers, arranged into four symposium sessions. These papers appear in this volume in the order of their presentation. The discussions that in turn followed from the papers are also included.

data protection risk assessment: *Fundamentals of Clinical Data Science* Pieter Kubben, Michel Dumontier, Andre Dekker, 2018-12-21 This open access book comprehensively covers the fundamentals of clinical data science, focusing on data collection, modelling and clinical applications. Topics covered in the first section on data collection include: data sources, data at

scale (big data), data stewardship (FAIR data) and related privacy concerns. Aspects of predictive modelling using techniques such as classification, regression or clustering, and prediction model validation will be covered in the second section. The third section covers aspects of (mobile) clinical decision support systems, operational excellence and value-based healthcare. Fundamentals of Clinical Data Science is an essential resource for healthcare professionals and IT consultants intending to develop and refine their skills in personalized medicine, using solutions based on large datasets from electronic health records or telemonitoring programmes. The book's promise is "no math, no code" and will explain the topics in a style that is optimized for a healthcare audience.

data protection risk assessment: Data Analytics for Engineering and Construction Project Risk Management Ivan Damjanovic, Kenneth Reinschmidt, 2019-05-23 This book provides a step-by-step guidance on how to implement analytical methods in project risk management. The text focuses on engineering design and construction projects and as such is suitable for graduate students in engineering, construction, or project management, as well as practitioners aiming to develop, improve, and/or simplify corporate project management processes. The book places emphasis on building data-driven models for additive-incremental risks, where data can be collected on project sites, assembled from queries of corporate databases, and/or generated using procedures for eliciting experts' judgments. While the presented models are mathematically inspired, they are nothing beyond what an engineering graduate is expected to know: some algebra, a little calculus, a little statistics, and, especially, undergraduate-level understanding of the probability theory. The book is organized in three parts and fourteen chapters. In Part I the authors provide the general introduction to risk and uncertainty analysis applied to engineering construction projects. The basic formulations and the methods for risk assessment used during project planning phase are discussed in Part II, while in Part III the authors present the methods for monitoring and (re)assessment of risks during project execution.

data protection risk assessment: Privacy Risk Analysis Sourya Joyee De, Daniel Le Métayer, 2022-05-31 Privacy Risk Analysis fills a gap in the existing literature by providing an introduction to the basic notions, requirements, and main steps of conducting a privacy risk analysis. The deployment of new information technologies can lead to significant privacy risks and a privacy impact assessment should be conducted before designing a product or system that processes personal data. However, if existing privacy impact assessment frameworks and guidelines provide a good deal of details on organizational aspects (including budget allocation, resource allocation, stakeholder consultation, etc.), they are much vaguer on the technical part, in particular on the actual risk assessment task. For privacy impact assessments to keep up their promises and really play a decisive role in enhancing privacy protection, they should be more precise with regard to these technical aspects. This book is an excellent resource for anyone developing and/or currently running a risk analysis as it defines the notions of personal data, stakeholders, risk sources, feared events, and privacy harms all while showing how these notions are used in the risk analysis process. It includes a running smart grids example to illustrate all the notions discussed in the book.

data protection risk assessment: Risk Assessment in the Federal Government National Research Council, Division on Earth and Life Studies, Commission on Life Sciences, Committee on the Institutional Means for Assessment of Risks to Public Health, 1983-02-01 The regulation of potentially hazardous substances has become a controversial issue. This volume evaluates past efforts to develop and use risk assessment guidelines, reviews the experience of regulatory agencies with different administrative arrangements for risk assessment, and evaluates various proposals to modify procedures. The book's conclusions and recommendations can be applied across the entire field of environmental health.

data protection risk assessment: *Guide to Protecting the Confidentiality of Personally Identifiable Information* Erika McCallister, 2010-09 The escalation of security breaches involving personally identifiable information (PII) has contributed to the loss of millions of records over the past few years. Breaches involving PII are hazardous to both individuals and org. Individual harms may include identity theft, embarrassment, or blackmail. Organ. harms may include a loss of public

trust, legal liability, or remediation costs. To protect the confidentiality of PII, org. should use a risk-based approach. This report provides guidelines for a risk-based approach to protecting the confidentiality of PII. The recommend. here are intended primarily for U.S. Fed. gov't. agencies and those who conduct business on behalf of the agencies, but other org. may find portions of the publication useful.

data protection risk assessment: Critical Infrastructure Risk Assessment Ernie Hayden, MIPM, CISSP, CEH, GICSP(Gold), PSP, 2020-08-25 ASIS Book of The Year Winner as selected by ASIS International, the world's largest community of security practitioners Critical Infrastructure Risk Assessment wins 2021 ASIS Security Book of the Year Award - SecurityInfoWatch ... and Threat Reduction Handbook by Ernie Hayden, PSP (Rothstein Publishing) was selected as its 2021 ASIS Security Industry Book of the Year. As a manager or engineer have you ever been assigned a task to perform a risk assessment of one of your facilities or plant systems? What if you are an insurance inspector or corporate auditor? Do you know how to prepare yourself for the inspection, decided what to look for, and how to write your report? This is a handbook for junior and senior personnel alike on what constitutes critical infrastructure and risk and offers guides to the risk assessor on preparation, performance, and documentation of a risk assessment of a complex facility. This is a definite "must read" for consultants, plant managers, corporate risk managers, junior and senior engineers, and university students before they jump into their first technical assignment.

data protection risk assessment: Understanding Personal Information Eloïse Gratton, 2013

data protection risk assessment: The Risk-Based Approach to Data Protection Raphaël Gellert, 2020-10-06 The concept of a risk-based approach to data protection came to the fore during the overhaul process of the EU's General Data Protection Regulation (GDPR). At its core, it consists of endowing the regulated organizations that process personal data with increased responsibility for complying with data protection mandates. Such increased compliance duties are performed through risk management tools. This book provides a comprehensive analysis of this legal and policy development, which considers a legal, historical, and theoretical perspective. By framing the risk-based approach as a sui generis implementation of a specific regulation model 'known as meta regulation, this book provides a recollection of the policy developments that led to the adoption of the risk-based approach in light of regulation theory and debates. It also discusses a number of salient issues pertaining to the risk-based approach, such as its rationale, scope, and meaning; the role for regulators; and its potential and limits. The book also looks at the way it has been undertaken in major statutes with a focus on key provisions, such as data protection impact assessments or accountability. Finally, the book devotes considerable attention to the notion of risk. It explains key terms such as risk assessment and management. It discusses in-depth the role of harms in data protection, the meaning of a data protection risk, and the difference between risks and harms. It also critically analyses prevalent data protection risk management methodologies and explains the most important caveats for managing data protection risks.

data protection risk assessment: Information Security Risk Management for ISO 27001/ISO 27002, third edition Alan Calder, Steve Watkins, 2019-08-29 Ideal for risk managers, information security managers, lead implementers, compliance managers and consultants, as well as providing useful background material for auditors, this book will enable readers to develop an ISO 27001-compliant risk assessment framework for their organisation and deliver real, bottom-line business benefits.

data protection risk assessment: Managing Privacy through Accountability Carla Ilten, Inga Kroener, Daniel Neyland, Hector Postigo, 2012-08-13 Draws together contributions from leading figures in the field of surveillance to engage in the discussion of the emergence of accountability as a means to manage threats to privacy. The first of its kind to enrich the debate about accountability and privacy by drawing together perspectives from experienced privacy researchers and policy makers.

data protection risk assessment: COBIT 5 for Risk ISACA, 2013-09-25 Information is a key resource for all enterprises. From the time information is created to the moment it is destroyed,

technology plays a significant role in containing, distributing and analysing information. Technology is increasingly advanced and has become pervasive in enterprises and the social, public and business environments.

data protection risk assessment: Data Protection Beyond Borders Federico Fabbrini, Edoardo Celeste, John Quinn, 2021-02-11 This timely book examines crucial developments in the field of privacy law, efforts by legal systems to impose their data protection standards beyond their borders and claims by states to assert sovereignty over data. By bringing together renowned international privacy experts from the EU and the US, the book provides an accurate analysis of key trends and prospects in the transatlantic context, including spaces of tensions and cooperation between the EU and the US in the field of data protection law. The chapters explore recent legal and policy developments both in the private and law enforcement sectors, including recent rulings by the Court of Justice of the EU dealing with Google and Facebook, recent legislative initiatives in the EU and the US such as the CLOUD Act and the e-evidence proposal, as well as ongoing efforts to strike a transatlantic deal in the field of data sharing. All of the topics are thoroughly examined and presented in an accessible way that will appeal to scholars in the fields of law, political science and international relations, as well as to a wider and non-specialist audience. The book is an essential guide to understanding contemporary challenges to data protection across the Atlantic.

data protection risk assessment: Privacy on the Ground Kenneth A. Bamberger, Deirdre K. Mulligan, 2024-05-28 An examination of corporate privacy management in the United States, Germany, Spain, France, and the United Kingdom, identifying international best practices and making policy recommendations. Barely a week goes by without a new privacy revelation or scandal. Whether by hackers or spy agencies or social networks, violations of our personal information have shaken entire industries, corroded relations among nations, and bred distrust between democratic governments and their citizens. Polls reflect this concern, and show majorities for more, broader, and stricter regulation—to put more laws “on the books.” But there was scant evidence of how well tighter regulation actually worked “on the ground” in changing corporate (or government) behavior—until now. This intensive five-nation study goes inside corporations to examine how the people charged with protecting privacy actually do their work, and what kinds of regulation effectively shape their behavior. And the research yields a surprising result. The countries with more ambiguous regulation—Germany and the United States—had the strongest corporate privacy management practices, despite very different cultural and legal environments. The more rule-bound countries—like France and Spain—trended instead toward compliance processes, not embedded privacy practices. At a crucial time, when Big Data and the Internet of Things are snowballing, *Privacy on the Ground* helpfully searches out the best practices by corporations, provides guidance to policymakers, and offers important lessons for everyone concerned with privacy, now and in the future.

data protection risk assessment: A Comprehensive Guide to 5G Security Madhusanka Liyanage, Ijaz Ahmad, Ahmed Bux Abro, Andrei Gurtov, Mika Ylianttila, 2018-03-19 The first comprehensive guide to the design and implementation of security in 5G wireless networks and devices Security models for 3G and 4G networks based on Universal SIM cards worked very well. But they are not fully applicable to the unique security requirements of 5G networks. 5G will face additional challenges due to increased user privacy concerns, new trust and service models and requirements to support IoT and mission-critical applications. While multiple books already exist on 5G, this is the first to focus exclusively on security for the emerging 5G ecosystem. 5G networks are not only expected to be faster, but provide a backbone for many new services, such as IoT and the Industrial Internet. Those services will provide connectivity for everything from autonomous cars and UAVs to remote health monitoring through body-attached sensors, smart logistics through item tracking to remote diagnostics and preventive maintenance of equipment. Most services will be integrated with Cloud computing and novel concepts, such as mobile edge computing, which will require smooth and transparent communications between user devices, data centers and operator networks. Featuring contributions from an international team of experts at the forefront of 5G

system design and security, this book: Provides priceless insights into the current and future threats to mobile networks and mechanisms to protect it Covers critical lifecycle functions and stages of 5G security and how to build an effective security architecture for 5G based mobile networks Addresses mobile network security based on network-centricity, device-centricity, information-centricity and people-centricity views Explores security considerations for all relative stakeholders of mobile networks, including mobile network operators, mobile network virtual operators, mobile users, wireless users, Internet-of things, and cybersecurity experts Providing a comprehensive guide to state-of-the-art in 5G security theory and practice, A Comprehensive Guide to 5G Security is an important working resource for researchers, engineers and business professionals working on 5G development and deployment.

data protection risk assessment: Consent in European Data Protection Law Eleni Kosta, 2013-03-21 Today, consent is a fundamental concept in the European legal framework on data protection. The analysis of the historical and theoretical context carried out in this book reveals that consent was not an intrinsic notion in the birth of data protection. The concept of consent was included in data protection legislation in order to enhance the role of the data subject in the data protection arena, and to allow the data subject to have more control over the collection and processing of his/her personal information. This book examines the concept of consent and its requirements in the Data Protection Directive, taking into account contemporary considerations on bioethics and medical ethics, as well as recent developments in the framework of the review of the Directive. It further studies issues of consent in electronic communications, carrying out an analysis of the consent-related provisions of the ePrivacy Directive.

data protection risk assessment: Occupational Health and Safety in the Care and Use of Nonhuman Primates National Research Council, Division on Earth and Life Studies, Institute for Laboratory Animal Research, Committee on Occupational Health and Safety in the Care and Use of Nonhuman Primates, 2003-06-13 The field of occupational health and safety constantly changes, especially as it pertains to biomedical research. New infectious hazards are of particular importance at nonhuman-primate facilities. For example, the discovery that B virus can be transmitted via a splash on a mucous membrane raises new concerns that must be addressed, as does the discovery of the Reston strain of Ebola virus in import quarantine facilities in the U.S. The risk of such infectious hazards is best managed through a flexible and comprehensive Occupational Health and Safety Program (OHSP) that can identify and mitigate potential hazards. Occupational Health and Safety in the Care and Use of Nonhuman Primates is intended as a reference for vivarium managers, veterinarians, researchers, safety professionals, and others who are involved in developing or implementing an OHSP that deals with nonhuman primates. The book lists the important features of an OHSP and provides the tools necessary for informed decision-making in developing an optimal program that meets all particular institutional needs.

data protection risk assessment: Security Risk Management Evan Wheeler, 2011-04-20 Security Risk Management is the definitive guide for building 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 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 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 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 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 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 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 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 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 program

data protection risk assessment: How to Measure Anything in Cybersecurity Risk

Douglas W. Hubbard, Richard Seiersen, 2016-07-25 A ground shaking exposé on the failure of popular cyber risk management methods How to Measure Anything in Cybersecurity Risk exposes the shortcomings of current risk management practices, and offers a series of improvement techniques that help you fill the holes and ramp up security. In his bestselling book How to Measure Anything, author Douglas W. Hubbard opened the business world's eyes to the critical need for better measurement. This book expands upon that premise and draws from The Failure of Risk Management to sound the alarm in the cybersecurity realm. Some of the field's premier risk management approaches actually create more risk than they mitigate, and questionable methods have been duplicated across industries and embedded in the products accepted as gospel. This book sheds light on these blatant risks, and provides alternate techniques that can help improve your current situation. You'll also learn which approaches are too risky to save, and are actually more damaging than a total lack of any security. Dangerous risk management methods abound; there is no industry more critically in need of solutions than cybersecurity. This book provides solutions where they exist, and advises when to change tracks entirely. Discover the shortcomings of cybersecurity's best practices Learn which risk management approaches actually create risk Improve your current practices with practical alterations Learn which methods are beyond saving, and worse than doing nothing Insightful and enlightening, this book will inspire a closer examination of your company's own risk management practices in the context of cybersecurity. The end goal is airtight data protection, so finding cracks in the vault is a positive thing—as long as you get there before the bad guys do. How to Measure Anything in Cybersecurity Risk is your guide to more robust protection through better quantitative processes, approaches, and techniques.

data protection risk assessment: Security Risk Assessment John M. White, 2014-07-23

Security Risk Assessment is the most up-to-date and comprehensive resource available on how to conduct a thorough security assessment for any organization. A good security assessment is a fact-finding process that determines an organization's state of security protection. It exposes vulnerabilities, determines the potential for losses, and devises a plan to address these security concerns. While most security professionals have heard of a security assessment, many do not know how to conduct one, how it's used, or how to evaluate what they have found. Security Risk Assessment offers security professionals step-by-step guidance for conducting a complete risk assessment. It provides a template draw from, giving security professionals the tools needed to conduct an assessment using the most current approaches, theories, and best practices.

data protection risk assessment: Secure IT Systems Aslan Askarov, René Rydhof Hansen,

Willard Rafnsson, 2019-11-13 This book constitutes the refereed proceedings of the 24th Nordic Conference on Secure IT Systems, NordSec 2019, held in Aalborg, Denmark, in November 2019. The 17 full papers presented in this volume were carefully reviewed and selected from 32 submissions. They are organized in topical sections named: privacy; network security; platform security and malware; and system and software security.

data protection risk assessment: *Review of the Department of Homeland Security's Approach to Risk Analysis* National Research Council, Committee to Review the Department of Homeland Security's Approach to Risk Analysis, 2010-09-10 The events of September 11, 2001 changed perceptions, rearranged national priorities, and produced significant new government entities, including the U.S. Department of Homeland Security (DHS) created in 2003. While the principal mission of DHS is to lead efforts to secure the nation against those forces that wish to do harm, the department also has responsibilities in regard to preparation for and response to other hazards and disasters, such as floods, earthquakes, and other natural disasters. Whether in the context of

preparedness, response or recovery from terrorism, illegal entry to the country, or natural disasters, DHS is committed to processes and methods that feature risk assessment as a critical component for making better-informed decisions. Review of the Department of Homeland Security's Approach to Risk Analysis explores how DHS is building its capabilities in risk analysis to inform decision making. The department uses risk analysis to inform decisions ranging from high-level policy choices to fine-scale protocols that guide the minute-by-minute actions of DHS employees. Although DHS is responsible for mitigating a range of threats, natural disasters, and pandemics, its risk analysis efforts are weighted heavily toward terrorism. In addition to assessing the capability of DHS risk analysis methods to support decision-making, the book evaluates the quality of the current approach to estimating risk and discusses how to improve current risk analysis procedures. Review of the Department of Homeland Security's Approach to Risk Analysis recommends that DHS continue to build its integrated risk management framework. It also suggests that the department improve the way models are developed and used and follow time-tested scientific practices, among other recommendations.

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