"Everyone involved with computer security ... should have this volume as a reference."

- Security Audit & Control Reviews

From a review of the previous edition titled: **Data and Computer Security**





Information Security

Dictionary of Concepts, Standards and Terms

Dennis Longley Michael Shain William Caelli

December 1992, 632 pages, hardcover ISBN 0 333 54698 9, \$169

- The most complete collection of information security terms ever assembled
- Updated throughout including 30% new material
- Numerous extended essays on vital subjects
- Easy-to-use format for rapid access to information

INFORMATION SECURITY Dictionary of Concepts, Standards and Terms

New!

Dennis Longley, Michael Shain, & William Caelli

This comprehensive dictionary (formerly titled **Data and Computer Security**) of more than 3,500 entries offers you a one-stop reference on all aspects of information security. This new edition — the first in five years — has been thoroughly updated to reflect the many significant changes that have occurred in the field, and contains 30% additional information.

As before, the dictionary is designed to help the non-expert assess his or her security concerns, and then to initiate appropriate action. It provides clear explanations of technical terms and concepts, and offers further detail in a broad range of in-depth extended essays, including essays on such topics as:

- Risk analysis
- Standards
- Database security
- Network security
- Personal computers
- Key management
- Viruses
- Trusted systems
- Authentication
- Access controls

For the specialist reader, the dictionary also covers the relevant theory and mathematics of modern data security and relates it to current developments in information security.

In addition, the dictionary's extended cross-referencing helps you to build a complete picture of a particular interest by enabling you to penetrate a subject as deeply as you need.

Dennis Longley is Dean of the Faculty of Information Technology, Queensland University of Technology, Australia.

Michael Shain is Director of Information Technology at World ORT Union in London.

William Caelli is Founder and Technical Director of ERACOM, an Australian data security company, and is also the Director of the Information Security Research Centre at the Queensland University of Technology, Brisbane, Australia.

From the reviews of the previous edition formerly titled - DATA AND COMPUTER SECURITY

"Anyone involved with computer security in any way should have a copy of Data & Computer
Security as a reference. It contains one of the most complete, detailed listings of security-related terms I have ever seen. There may be someone somewhere who knows all the material in this well-prepared book, but I have yet to meet this person. I highly recommend this book for everyone's personal library."

—Security Management

"Not only is it a first in the field, it is comprehensive, well organized and easy to use and to understand."

—Computer Security Digest

"Everyone involved with computer security...should have this volume as a reference."

-Security Audit & Control Reviews

"Essential for research libraries, and highly recommended for college and university libraries."

-Choice

but may have minor exceptions which do see Access record record records record records and the facility from meeting odd of the subject of th

ANSI X9.17 - 1985. In standards, an ANSI standard for Financial Institution Key Management (Wholesale). The scope of the standard is given clow.

 Control during the life of the keyin material to prevent unauthorize disclosure, modification

Distribution of keying material permit interoperability betwee cryptographic key equipment facilities using the DEA.

material during all phases of its life including the generation, distribution, storage, entry, use and destruction.

the key management process o when the integrity of the keying material is questioned.

The functions of the key management system are to provide keys and initial ization vectors (IV) to the places require and to maintain the secrecy of keys. The measures must be secrecy of keys. The measures must be secrecy of the measures must of the unauthorized disclosure, modification, substitution, insertion and deletion of keys and IVs.

Asys may be distributed manually of automatically, i.e. by automated distribution. The architecture for the automated distribution is based upon the assumption that the data network shall persundable and the descripting key in common, or each has a key encrypting key in common, or each has a key encrypting key in common with

A two or three layer key distribution architecture may be employed. With a two layer architecture may be employed. With a key encrypting key is mensually distributed and dans keys are subject to sustomated distribution encrypted by the topmost byer keys. In a three layer is again manually the companies theyer is again manually and the companies are companies and the companies and the companies are companies and the companies and the companies and the companies are companies and the companies and the companies are companies are companies are companies and the companies are companies are companies and the companies are companies are companies are companies are companies are companies and the companies are companies are companies are companies are companies and the companies are companies and companies are com

encrypted with the layer one key, and in turn, used to encrypt the third layer data keys. The architecture is designed to meet the requirements listed below.

Communicating pairs have at less one data key which can be change automatically.

A data key can be used for

tion or authentication, but not bott except in the case of cryptographi service messages.

Data keys shared by a communica-

than a key distribution or translation
center.

A compromise of a key shared by a

promise any third party.

The architecture shall support communicating pairs that do not have key generation capabilities and shall support any party that wishes to initiate secure communications.

any other party.

Data keys may be sent for currer or future use and key security an integrity shall be ensured.

A key used by a second

A key used by a communicating pair shall not be intentionally used by any other pair or by the same pair after any one of the parties has discontinued its use.

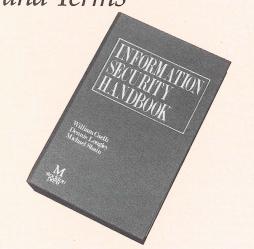
key.

Any communicating pair may en

The architecture permits two, or three, layers of keys and in a three layer architecture the key encrypting keys may be automatically exchanged between communication

nual and automated distribution mussure the protection of distribution and rage resources from unauthorized use, reation, replacement, and destruction.

An Ideal Companion to Information Security: Dictionary of Concepts, Standards and Terms



INFORMATION SECURITY HANDBOOK

William Caelli, Dennis Longley & Michael Shain

Focusing on both the managerial and technical aspects of information security, the **Handbook** is a virtual blueprint for setting up a secure computer infrastructure.

The first part of the **Handbook** deals with the non-technical areas of policy formulation, risk management, contingency planning, and the law. The second half, which builds upon the foundation of the earlier chapters, covers the technical areas of cryptography, access control, database security, communications security and security modelling.

"...if you have anything at all to do with information security, this book should be on your desk....over 800 pages of answers to virtually every security question you are likely to have....If you are a network manager, security officer or system programmer, get a copy of the **Information Security Handbook** right now. When it arrives don't put it on the bookshelf. Read it and then pick it up whenever you have an information security question."

—Computer Security Alert

Table of Contents (Summary):

An Overview of Security • Security Management and Policy • Risk Management

- Contingency Planning & Damage Avoidance Information Security and the Law
- Monitoring and Auditing Control Applications and Theory of Cryptography
- Access Control Security of Stored Data and Programs Communications Security Formal Models of Secure Systems Index.

October 1991, 830 pages, ISBN 0 333 51172 7, \$175

INFORMATION SECURITY IN FINANCIAL SERVICES

Ken Slater

This unique book offers a wealth of practical advice on all aspects of information security in financial organizations, particularly banks, insurance companies and investment firms.

Among the book's key features are:

- An in-depth discussion of the organization and development of the security function within a financial institution
- Numerous examples of actual fraud...and specific suggestions on how to avoid similar disasters, including using knowledge-based systems to detect bank fraud
- Helpful self-test "checklists" that can be used to identify potential trouble spots
- Extensive appendices that provide detailed and valuable guidance on security procedures and requirements in specific areas, e.g. SWIFT, BACS, and CHAPS
- An outline of the security aspects of financial legislation and of security-related laws

SECURITY FINANCIAL SERVICES Ken Slater

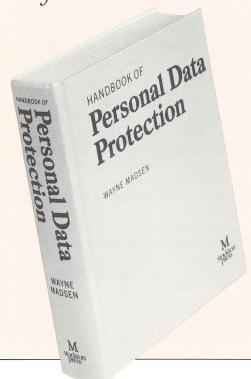
January 1992 275 pages ISBN 0 333 54702 0, \$159

Table of Contents (Summary):

Introduction • Risk and Vulnerability • The Security Policy • Personnel Security • Physical Security • Security of Computer Operations • Communications Security • Controlling the System • Secure System Development and Maintenance • Logical Access Security • Securing the Customer's Cash • If the Worst Happens: Disaster Recovery and Insurance • Micro-computer Security • Analysis Packages • Managing Security • The Auditor • Security Aspects of Compliance Reviews • Appendices • Glossary.

HANDBOOK OF PERSONAL DATA PROTECTION

Wayne Madsen



From medical history records to annual salary information to shopping habits, personal data is easily obtained by a variety of users. Increasingly, the American people are voicing their concerns regarding personal data uses and abuses, an issue that's being addressed worldwide.

The Handbook of Personal Data Protection is the first book to address data privacy from an international perspective.

It summarizes the highlights of the European data protection movement, including the OECD guidelines, the Schengen Agreement on police files, the Council of Europe and the EC directive. It focuses also on personal data abuses in the developing nations of Latin America, Asia, and Africa.

Closer to home, a chapter titled "The USA: First in Technology and Last in Data Protection" discusses the Government's history of political surveillance — from blacklists to databases. It concludes with the author's view that the U.S. Privacy Act is weak, outdated and badly in need of repair.

The book's 800 pages of appendices include the texts of most national data protection laws, as well as the addresses and telephone numbers of data protection offices around the world.

Wayne Madsen is a computer scientist in the integrated systems division of Computer Sciences Corporation. He is a well-known speaker on computer security and data privacy issues, and has written numerous articles on data security and privacy, computer viruses, network security and trans-border data flow security.

April 1992, 1200 pages, 0 333 56920 2, \$198

Introductory Offer for 30 Day Trial

Mail, fax or phone to:

Ms. Dainaz Aaron, Macmillan Education Australia, REPLY PAID 18, 107 Moray Street, South Melbourne VIC. 3205,





Please send me the following books:

Title	Price S	Qty	Total
Information Security Handbook	175		-
Information Security in Financial Services	159		
Handbook of Personal Data Protection	198		
Information Security: Dictionary of Concepts Standards and Terms	169		
Plus postage and insurance at \$5.50 each in Australia and \$12 each outside Australia.			
	7	Γotal	

MONEY BACK GUARANTEE

If for any reason your publications prove unsatisfactory, simply return them in their original condition within 30 days of receipt for a full refund.

METHOD OF PAYMENT

	I enclose a cheque for \$ payable to Macmillan Education Australia.
	Please invoice me (Companies, Institutions and Govt. Bodies only) Order No
_	Please charge my credit card \$
	☐ MasterCard ☐ Visa ☐ Bankcard ☐ Diners Club ☐ American Express
	Card No.
	I.D. No for Amex only
	Cardholder's Name
	Signature
	Expiry Date

DELIVERY ADDRESS

Name: Mr Mrs Miss Company Street Address

Telephone (Post Code

(Street address is required for delivery - do not state P.O. Box)