ED 321 734   IR 014 493

TITLE   Computers and Data Processing. Subject
                Bibliography.
INSTITUTION   United States Government Printing Office, Washington,
                D.C.
REPORT NO   SB-051
PUB DATE   24 Aug 89
NOTE   9p.
PUB TYPE   Reference Materials - Bibliographies (131)

EDRS PRICE   MF01/PC01 Plus Postage.
DESCRIPTORS   Annotated Bibliographies; Computer Assisted
                Instruction; *Computer Networks; *Computers;
                *Computer Software; *Data Processing; Desktop
                Publishing; Government Publications; *Information
                Technology; *Programing; Standards;
                Telecommunications; Use Studies
IDENTIFIERS   Computer Crimes; *Computer Security

ABSTRACT
        This annotated bibliography of U.S. Government
publications contains over 90 entries on topics including
telecommunications standards, U.S. competitiveness in high technology
industries, computer-related crimes, capacity management of
information technology systems, the application of computer
technology in the Soviet Union, computers and mathematics-related
occupations, computer security, software maintenance, electronic
publishing, database design, personal computer networks, Smart Card
technology, computer use in the United States, automation at the
Library of Congress, meeting the data processing and
telecommunications needs of the federal government, programming
languages, the use of computer-based technologies in education,
maintenance of robotic workstations, and the use of computers in home
study. Each entry contains: the document price and the Superintendent
of Documents order number; the publication date of the document; the
number of pages; and a note as to whether or not the publication is
illustrated. (GL)
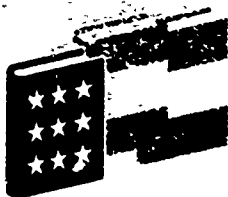
Subject Bibliography

U.S. Government Printing Office Superintendent of Documents

COMPUTERS AND DATA PROCESSING

ADP and Telecommunications Standards Index *(Semiannually.) Contains revissd standards requirements statements that were formerly printed in the Federal Information Resources Management Regulations. Subscription price: Domestic - $6.00 a year; Foreign - $7.50 a year. Single copy price: Domestic - $3.25 a copy; Foreign - $4.06 a copy. (ATSI) (File Code 2S)*   **S/N 722-008-00000-6**

Almanac for Computers   *The following publications provide data in a format for small computers and calculators used in navigation and positional astronomy. Concise mathematical expressions are used to represent the coordinates of celestial bodies for specific intervals of time. These expressions are approximations which allow direct calculation of astronomical and navigational data for specific times and conditions.*

1988 1987: 100 p. D 213.14:988	S/N 008-054-00133-5	$4.25
1989 1988: 100 p.	S/N 008-054-00137-8	$4.25

Assessment of United States Competitiveness in High Technology Industries   *This report examines United States high technology industries--their importance, their trade performance, and the factors influencing their competitiveness vis-a-vis foreign competitors. High technology industries considered in this report include aircraft, computers, electrical equipment, optical and medical instruments, drugs and medicines, plastic and synthetic materials, engines and turbines, agricultural and industrial chemicals, and scientific instruments.* 1983: 68 p.; ill.
C 61.2:T 22   **S/N 003-009-00358-0 $5.00**

Automatic Determination of the Interstitial Oxygen Content of Silicon Wafers Polished on Both Sides   *Contains PASCAL and FORTRAN computer programs which implement an American Society for Testing and Materials (ASTM) test method for the automatic determination of the interstitial oxygen content of silicon. Printed versions of the programs are included. A five and one quarter inch MS-DOS floppy disk version of the programs may be obtained by writing to: Jane Walters, National Institute of Standards and Technology, Building 225, Room B304, Gaithersburg, MD 20899.* 1988: 70 p.; ill.
C 13.10:400-81   **S/N 003-003-02915-7 $3.75**

Basic Considerations in Investigating and Proving Computer-Related Federal Crimes   1988: 130 p.
J 1.14/2:In 8/2   **S/N 027-000-01323-5 $7.50**

Capacity Management   *Provides information to agencies on managing the capacity of their information technology (IT) systems. Capacity management promotes the efficient use of existing IT resources, ensures that IT resources are deployed to serve the organization's most pressing needs, and enables managers to identify IT resource needs and to fulfill them in a timely and cost effective manner.* 1988: 91 p.; ill.
GS 1.2:C 17   **S/N 022-003-01156-1 $7.00**

Charging Systems for Information Technology Services   *Provides guidance to Federal managers on implementing charging systems in their information technology facilities. A charging system tracks system usage, monitors operational costs, establishes service rates, and bills users. This publication will help direct agencies toward solutions to their problems in the areas of charging and cost recovery for data processing.* 1988: 71 p.; ill.
GS 1.2:C 37   **S/N 022-003-01157-9 $6.00**

Chip in the Curtain: Computer Technology in the Soviet Union   *Explains the Soviet Union's struggle with the development and application of computers in Soviet society. Contains sections on: Russian traditions; the Soviet system; hardware; software; education; and prospects. Includes bibliographical notes and an index.* 1989: 202 p.; ill.   **S/N 008-020-01158-4 $4.75**

Competitive Assessment of the United States   *The following reports define and describe each industry and discuss their past and current performances and foreign competitive positions. Recommendations of Federal actions that could enhance their future competitiveness are also given.*

BEST COPY AVAILABLE

Data Processing Services Industry   1984: 67 p.
C 61.2:D 26

S/N 003-009-00437-3 $3.00

Microcomputer Industry: Business/Professional Systems   1986: 137 p.; ill.
C 61.2:M 58

S/N 003-009-00485-3 $6.50

Comprehensive Guide for Least-Cost Energy Decisions   *Focuses on procedures for estimating the long-run economic performance of energy-related building components. Includes a user's guide to the NBS Life-Cycle Cost (NBSLCC) computer program.*   1987: 243 p.; ill.
C 13.10:709

S/N 003-003-02790-1 $11.00

Computer and Mathematics-Related Occupations   *Reprinted from the 1988-89 Occupational Outlook Handbook giving the employment outlook for computer and peripheral equipment operators; computer programmers; computer service technicians; computer systems analysts; economists; mathematicians; operations research analysts; and statisticians.*   1988: 18 p.; ill.
L 2.3/4a:2300-4

S/N 029-001-02947-1 $1.50

Computer Security Requirements: Guidance for Applying the Department of Defense Trusted Computer System Evaluation Criteria in Specific Environments   *Establishes computer security requirements by identifying the minimum class of system required for a given risk index. The risk index is defined as the minimum clearance or authorization of system users and the maximum sensitivity of data processed by the system.*   1985: 17 p.
D 1.79/3:003-85

S/N 008-000-00442-1 $1.00

Computer Security Subsystem Interpretation of the Trusted Computer System Evaluation Criteria   *Prepared as a technical computer security guideline. Provides interpretations of the 'Department of Defense Trusted Computer System Evaluation Criteria' (DOD 5200.28-STD or TCSEC) for computer security subsystems. A computer security subsystem is defined as hardware, firmware, and/or software which can be added to a computer system to enhance the security of the overall system. Also includes a glossary.*   1988: 43 p.
D 1.79/4:009/v.1

S/N 008-000-00510-9 $2.25

Computer Systems Technology   *Formerly Computer Science and Technology.*

Accuracy, Integrity, and Security in Computerized Vote-Tallying   1988: 142 p.
C 13.10:500-158

S/N 003-003-02883-5 $7.50

Annotated Bibliography on Software Maintenance   *Contains summaries of two hundred and eighty-five software maintenance articles or papers from computer science journals, books, proceedings, Federal government publications, computer newspapers, and technical reports. Covers a fifteen year period between 1972 and 1986.*   1986: 138 p.
C 13.10:500-141

S/N 003-003-02756-1 $6.50

Application Software Prototyping and Fourth Generation Languages   *Describes a method for developing software requirements and specifications using Fourth Generation Languages (4GLs, and application prototyping. Describes the advantages and disadvantages of application prototyping and includes techniques for implementing a software development model that incorporates prototypes based on the capabilities of 4GLs.*   1987: 65 p.; ill.
C 13.10:500-148

S/N 003-003-02797-9 $3.25

Electronic Publishing: Guide to Selection   1989: 37 p.; ill.
C 13.10:500-164

S/N 003-003-02938-6 $2.50

Guide on Logical Database Design   *Discusses an iterative methodology for logical database design. The methodology includes four phases: local information flow modeling; global information flow modeling; conceptual schema design; and external schema modeling.*   1985: 116 p.; ill.
C 13.10:500-122

S/N 003-003-02631-0 $4.50

Guide to Auditing for Controls and Security: A System Development Life Cycle Approach   *Discusses auditing the system development life cycle process for an automated information system to ensure that controls and security are designed and built into the system.*   1988: 268 p.

S/N 003-003-02856-8 $13.00

Guide to Distributed Database Management   *This guide provides information for evaluating and adopting distributed data base management technology.*   1988: 31 p.
C 13 10:500-154

S/N 003-003-02848-7 $1.75

Guide to Information Resource Dictionary System Applications: General Concepts and Strategic Systems Planning   *Describes the use of the Information Resource Dictionary System (IRDS) to support system development. The IRDS is the Federal Information Processing Standard for data dictionary systems, used to capture metadata during the system life cycle.*   1988: 145 p.; ill.
C 13.10:500-152

S/N 003-003-02855-7 $8.00

Guide to the Selection and Use of Fourth Generation Languages *Compares the selection issues for Third and Fourth Generation Languages, summarizes the Fourth Generation Language (4GL) functional model, and recommends a ten step selection process. Intended for managers who are in the process of selecting an appropriate 4GL. One of a series of publications prepared as a follow-up to the Applications Development Productivity Workshop, held at NBS, November 13-15, 1985.*   1986: 64 p.; ill.

S/N 003-003-02758-8 $3.25

C 13.10:500-143

Introduction to Software Packages *Provides an introduction to applications software packages. Encourages the use of software packages as an alternative to in-house development and directs potential users of software packages to sources of useful information.* 1984: 61 p.; ill.

S/N 003-003-02569-1 $2.25

C 13.10:500-114

Knowledge-Based System for Physical Database Design *Describes a system developed by NBS which can process large multi-entity logical data structures with complex workload requirements and identify near-optimal physical designs. The system is implemented in Lisp. Publication assumes that the reader is familiar with concepts such as the Entity-Relationship Model and Database Language SQL.* 1988: 61 p.; ill.

S/N 003-003-02849-5 $3.25

C 13.10:500-151

Management Guide to Software Reuse *Presents general management guidance on software reuse. Focuses on the improvement of productivity and quality of software as well as the reduction of software risks.* 1988: 36 p.

S/N 003-003-02858-4 $2.00

C 13.10:500-155

Message Authentication Code (MAC) Validation System: Requirements and Procedures *Introduces the basic design and configuration of the NBS (National Bureau of Standards) Message Validation System. Also discusses the administrative procedures to be followed by those seeking formal NBS validation of a message authentication device.* 1988: 48 p.; ill.

S/N 003-003-02860-6 $2.75

Personal Computer Networks *Presents a survey of personal computer network technology from the point of view of the end user. Characterizes: file and print services; electronic mail; sending messages and conferencing; login; remote task execution; outside communications; and network configuration.* 1986: 61 p.; ill.

S/N 003-003-02746-4 $3.25

C 13.10:500-140

Report of the Invitational Workshop on Integrity Policy in Computer Information Systems (WIPCIS) 1989: 202 p.; ill.

S/N 003-003-02904-1 $11.00

C 13.10:500-160

Security for Dial-Up Lines *Describes a set of procedures that can be used to solve the problem of intrusion into computers via dial-up telephone lines. Also includes tables that list devices presently available, along with vendor contact information. Intended for system managers to use in selecting devices that best meet their needs.* 1986: 65 p.; ill.

S/N 003-003-02723-5 $3.75

C 13.10:500-137

Smart Card Technology: New Methods for Computer Access Control 1988: 50 p ; ill.

S/N 003-003-02887-8 $2.75

C 13.10:500-157

Software Configuration Management: An Overview 1989: 31 p.; ill.

S/N 003-003-02927-1 $2.00

Starting and Operating a Microcomputer Support Center *Provides information on requirements for staffing, space, equipment, software and operating policies for establishing a microcomputer support center.* 1985: 40 p.

S/N 003-003-02683-2 $1.75

C 13.10.500-128

Technology Assessment: Methods for Measuring the Level of Computer Security *Provides information on twenty-five evaluation methods used in security; EDP audit; and risk analysis communities. Also discusses the major characteristics, similarities, and differences.* 1985: 216 p.; ill

S/N 003-003-02686-7 $8.00

C 13.10:500-133

Computer Use in the United States: 1984 *Based on computer ownership and use questions from the October 1984 Current Population Survey. Estimates that by the fall of 1984, 21.1 percent of the population age 3 and above used a computer in some direct way, at work, at school, or at home. Issued with perforations.* 1988: 33 p.

S/N 803-005-10008-1 $2.00

C 3.186:P-23/155

Computerized Manufacturing Automation: Employment, Education, and the Workplace *Describes the technologies of programmable automation, their uses, and future capabilities. Characterizes industries producing and using programmable automation and discusses the ramifications of these technologies for the industrial structure and competitive conduct. Emphasis is on the potential for employment change, effects on the work environment, and implications for education and training.* 1984: 480 p.; ill.

S/N 052-003-00949-8 $14.00

Y 3.T 22/2:2 C 73/8

Computers: Crimes, Clues and Controls, A Management Guide *Provides basic information on the security of sensitive data for the end user manager in accordance with OMB Circular A-130. Emphasis is placed on information security; physical security; and personnel security, with crimes, clues, and controls for each area. A plan of action and sources for assistance is also included.* 1986: 48 p.; ill. Pr 40.8:In 8/C 73	S/N 008-000-00460-9	$2.50
Defending Secrets, Sharing Data: New Locks and Keys for Electronic Information *Examines Federal policies directed at protecting information, particularly in electronic communications systems. Focuses on issues stemming from possible conflicts among Federal policy goals and addresses important trends taking place in the private sector.* 1987: 193 p.; ill. Y 3.T 22/2:2 D 36	S/N 052-003-01083-6	$8.50
Department of Defense Password Management Guideline *Sets guidelines for the use of password-based user authentication mechanisms in automatic data processing systems employed for processing classified and other sensitive information.* 1985: 37 p. D 1.79/3:002-85	S/N 008-000-00443-9	$1.75
Department of Defense Trusted Computer System Evaluation Criteria, 1985 *Defines criteria to be used as a set of basic requirements and evaluation classes for assessing the effectiveness of security controls built into Automatic Data Processing systems. The criteria are intended for the processing and/or storage and retrieval of sensitive or classified information by the Department of Defense. The security controls are used for procurement of systems and quality assurance. Issued with perforations.* 1986: 128 p. D 1.2:C 73/8/985-2	S/N 008-000-00461-7	$6.00
Desktop Publishing Guide *Provides information on desktop publishing hardware and software for managers who may be familiar with microcomputer-based word processing, but who have little or no knowledge of publishing.* 1988: 21 p. GS 1.6/6:D 46	S/N 022-003-01153-6	$1.75
Digital Computer Basics 1978: 302 p.; ill. 1986-repr. D 207.208/2:C 73/2/978	S/N 008-047-00256-4	$8.50
Electronic Supervisor: New Technology, New Tensions *Explores the problems related to the use of computers to monitor work performance. New technologies escalate tensions caused by the conflict between the employer's need to control or manage the work process and the employee's right to autonomy, dignity, and privacy.* 1987: 147 p.; ill. Y 3.T 22/2:2 El 2/7	S/N 052-003-01082-8	$6.50
Find: Automation at the Library of Congress, The First Twenty-Five Years and Beyond *Describes the development and use of computers in automating the operations of the Library of Congress during the past twenty-five years.* 1985: 28 p. LC 1.2:Au 8/4	S/N 030-000-00165-6	$1.50
Five-Year Plan for Meeting the Automatic Data Processing and Telecommunications Needs of the Federal Government:		
Volume 1, Major Information Technology Systems Acquisition Plans of Federal Executive Agencies, 1988-1993 *Contains a summary and analysis of information technology resources in the Federal budget for Fiscal Year 1989 and a compilation of Federal executive agency information technology acquisition plans for 1988 through 1993.* 1988: 649 p.; ill. PrEx 2.12/4:988/v.1	S/N 041-001-00335-5	$28.00
Volume 2 *Provides a discussion of some of the themes and directions in Federal information systems activities as well as strategic overviews of the information technology activities of each executive department and major independent agencies in the executive branch.* 1988: 89 p. PrEx 2.12/4:988/v.2	S/N 041-001-00337-1	$6.00
Fundamentals of COBOL, Programmers Reference 1969: 254 p.; ill. 1978-repr. D 201.6/12:C 73/2	S/N 008-040-00017-6	$7.50
Glossary of Computer Security Terms 1988: 55 p. D 1.79/4:004/v.1	S/N 008-000-00522-2	$3.25
GPO Sales Publications Reference File Magnetic Tape (9-track, 6250 BPI) *(Biweekly.) The magnetic tape, of the PRF is EBCDIC, labeled and blocked up to 8,100 character records. (NOTE: Complete documentation explaining the characteristics of the tape, field names, and data element locations and attributes is available upon request.) Each tape consists of a complete reload of the file and is current within two weeks of issuance. Domestic express mailing is available at an additional charge to customers served by post offices providing such service. Airmail for international mailing is also available at an additional fee. Subscription price: Domestic - $650.00 a year; Foreign - $1,062.50 a year; no single copies sold. (GPRFT) (File Code 2E)* GP 3.22/3-2:	S/N 721-004-00000-7	
Guide to Understanding:		
Audit in Trusted Systems, 1988 1988: 31 p.	S/N 008-000-00508-7	$2.00

Configuration Management in Trusted Systems   1988: 39 p.
   D 1.79/4:006/ver.1

S/N 008-000-00507-9 $2.00

Design Documentation in Trusted Systems   1988: 40 p.

S/N 008-000-00518-4 $2.25

Industry Wage Survey: Computer and Data Processing Services, 1987   1988: 74 p.

S/N 029-001-02963-8 $3.50

Information Resources Management Plan, Volume 1: Strategic Overview; and Volume 2: Systems Plan, Fiscal Year 1985-Fiscal Year 1989   *Documents the Federal Aviation Administration's efforts to apply systems analysis and automated data processing technology to its information needs. Volume 1 provides a framework where the long-term goals for each agency information area are delineated, and Volume 2, a five-year tactical plan, provides details on each of the thirteen areas defined in volume 1. Areas include airports, aviation safety, air traffic control, and human resources among others.*   1984: 2 bks. (422 p.); ill., 20 dividers and errata sheet.
   TD 4.2:In 3/984/v.1 and TD 4.33/6:985-86

S/N 050-007-00691-8 $15.00

Information Systems Planning Handbook   *Presents the essential elements to help organizations develop a Phase 1 (definition) system plan. It outlines the steps for identifying, defining, and validating an organization's processes and data, and includes steps for analyzing and prioritizing results to develop an information architecture. The information architecture is a high-level framework representing the organization's near and long-term information needs.*   1986: 59 p.; ill.
   GS 12.16:OSDIT/FPSC-87/001

S/N 022-003-01138-2 $3.25

Information Systems Planning Handbook, Phase 2   *Develops separate but closely related views of the organization's information requirements in the form of the data, application, and geographic architectures, each of which further defines the information requirements of the organization. Also developed during this phase is a prioritized slate of projects needed to accomplish the identified improvements.*   1988: 76 p.; ill.
   GS 12.8:In 3/phase 2

S/N 022-003-01145-5 $4.50

Information Technology R and D: Critical Trends and Issues   *Examines four specific research and development areas: computer architecture, artificial intelligence, fiber optics, and software engineering, including the structure and orientation of selected foreign research and development programs. Also examines manpower, institutional changes, and new research organization issues as well as the implications of trends in science and technology policy.*   1985: 364 p.; ill.
   Y 3.T 22/2:2 In 3/3

S/N 052-003-00976-5 $9.50

Informing the Nation: Federal Information Dissemination in an Electronic Age   *Addresses the opportunities to improve the dissemination of Federal information. Highlights two major problems: maintaining equity in public access to Federal information in electronic formats, and defining the respective roles of Federal agencies and the private sector in the electronic dissemination process. Focuses on current and future roles of the Government Printing Office and Superintendent of Documents, the Depository Library Program, and the National Technical Information Service.*   1988: 345 p.; ill.
   Y 3.T 22/2:2 In 3/9

S/N 052-003-01130-1 $14.00

Introduction to FORTRAN   1980: 138 p.; ill. 1985-repr.
   D 207.208/2:F 76

S/N 008-047-00306-4 $6.50

Introduction to Programming in BASIC   *An introduction to programming in BASIC language with exercises and suggested solutions.*   1983: 169 p.; ill. 1985-repr.
   D 207.208/2:P 94/985

S/N 008-047-00382-0 $7.00

IRM (Information Resource Management) Organizations: Concepts and Considerations   *Presents a concept of total information resources management (IRM) which includes management of both the information technology and the information itself. This usually results in some organizational, functional, and personnel changes. The discussion of the Center's research and experience provides many workable solutions to Federal managers for accommodating this complex management area.*   1989. 51 p.; ill.

S/N 022-003-01160-9 $4.00

Journal of Research of the National Institute of Standards and Technology   *(Bimonthly.) The expanded Journal of Research of the National Institute of Standards and Technology reports NIST research and development in those disciplines of the physical and engineering sciences in which the Institute is active. These include physics, chemistry, engineering, mathematics, and computer sciences. Papers cover a broad range of subjects, with major emphasis on measurement methodology, and the basic technology underlying standardization. Subscription price: Domestic - $13.00 a year; Foreign - $16.25 a year. Single copy price: Domestic - $3.75 a copy; Foreign - $4.69 a copy. (SJRA) (File Code 2N)*
   C 13.22:

S/N 703-027-00000-8

Mission Critical Computer Resources Management Guide: Technical Management   *Intended for both government and industry personnel who have management responsibilities that relate to the acquisition and support of defense systems.*   1988: 217 p.; ill.
   D 1.6/2:C 73/4

S/N 008-020-01152-5 $11.00

Model for the Acquisition of Software Support Services   *Presents a strategy and methodology along with a model request for proposals and proposal evaluation plan for the purposes of acquiring software support services. It was developed specifically to address the ongoing needs of Federal agencies for a variety of technical support services.*   1988: 274 p.
   GS 1.2:SO 2/3

S/N 022-003-01158-7 $14.00

Model Framework for Management Control Over Automated Information Systems *Provides information on certain requirements for control imposed by the Federal Manager's Financial Integrity Act of 1982, the Privacy Act of 1974, and OMB Circulars A-123, A-127, and A-130. Synthesizes information from many different directives about internal control of automated systems.* 1988: 76 p.; ill.
Pr 40.8:M 31/Au 8 | S/N 017-000-00255-4 | $3.50

Personal Computer Security Considerations *Provides a brief discussion of computer security issues associated with the use of personal computers. Emphasis is placed on protecting computer systems and the sensitive data they process.* 1985: 17 p.
D 1.79/2:002-85 | S/N 008-000-00439-1 | $1.00

Power On: New Tools for Teaching and Learning *Examines developments in the use of computer-based technologies in education.* 1988: 238 p.; ill.
Y 3.T 22/2:2 P 87 | S/N 052-003-01125-5 | $11.00

Summary to the above *Examines developments in the use of computer-based technologies, analyzes key trends in hardware and software, evaluates the capability of technology to improve learning in many areas, and explores ways to substantially increase student access to technology. The role of the teachers' needs for training, and the impact of Federal support for educational technology research are reviewed as well.* 1988: 32 p.; ill. | S/N 052-003-01146-8 | $1.75

Principles of Digital Logic *Provides a background in the principles of logic circuits, Boolean algebra and number systems necessary to understanding digital computers.* 1979: 76 p.; ill., plate.
D 207.208/4:D 56/2 | S/N 008-047-00276-9 | $4.75

Publishing From a Full Text Data Base *Describes full text data base publishing using the automated composition system developed by the United States Government Printing Office. Classes of data included in the text are tables, symbols, charts, diagrams, mechanical parts and assemblies, and illustrations.* 1983: 184 p.; ill.
GP 1.2:P 96/4 | S/N 021-000-00116-3 | $6.00

Reference Manual for the Ada Programming Language *Complete revision of 1980 edition. Military Standard Ada Programming Language, describes the real-time programming language Ada, designed in accordance with United States Department of Defense requirements for use in embedded systems.* 1983: 344 p.
D 7.10:1815 A-1983 | S/N 008-000-00394-7 | $16.00

Safe Maintenance Guide for Robotic Workstations *Describes the hazards that exist in a robot's working area and the means to minimize or eliminate them. This guide may also be used as an aid for developing training of personnel, task design, workspace design, simulation, maintenance data collection, equipment specification, and maintenance instructions.* 1988. 56 p.; ill. | S/N 017-033-00435-8 | $2.75

SDI (Strategic Defense Initiative) Technology, Survivability, and Software *Presents the results of a study to determine technological feasibility, implications, survivability, and function of the Strategic Defense Initiative. Also analyzes the feasibility of producing complex software required for advanced Ballistic Missile Defense systems.* 1988. 290 p.; ill.
Y 3.T 22/2:Su 7/4 | S/N 052-003-01084-4 | $12.00

Software Tools Catalog *Identifies computer conversion tools available for Federal agency use as of June 1988. Emphasis is placed on four conversion tools: translators, conversion aids, emulators, and simulators. The catalog is alphabetically arranged by software vendor, name of tool, source language, host computer, stage of life cycle, and conversion tool category.* 1988: 917 p. | S/N 022-003-01152-8 | $31.00

Strategic Information Resources Management Planning Handbook 1987: 124 p.; ill. revised ed.
GS 12.16:St 8 | S/N 022-003-01143-9 | $6.50

Technical Rationale Behind CSC-STD-003-85: Computer Security Requirements, Guidance for Applying the Department of Defense Trusted Computer System Evaluation Criteria in Specific Environments *Provides information on the technical aspects of computer security, including hardware, software, and configuration control. The relationship between computer security and physical, personnel and information security is also discussed.* 1986: 45 p.
D 1.79/3.004-85 | S/N 008-000-00441-2 | $2.00

Technologists and Technicians, Except Health *Reprinted from the Occupational Outlook Handbook, 1988-89 edition. Gives the employment outlook for air traffic controllers; aircraft pilots; broadcast technicians; computer programmers; drafters; engineering technicians; legal assistants; library technicians; science technicians; and numerical control tool programmers.* 1988: 16 p.; ill.
L 2.3/4a:2300-10 | S/N 029-001-02953-5 | $1.25

Trusted Network Interpretation of the Trusted Computer System Evaluation Criteria *Describes the security requirements that may be imposed on the Department of Defense Trusted Computer System Evaluation Criteria, for trusted computer communications network systems.* 1987: 298 p.
D 1.79/4:005 | S/N 008-000-00486-2 | $13.00

Use of Computers in Home Study *Summarizes data from the 1985 Home Information Technol-*   S/N 065-000-00279-5 $2.25
ogy Study Survey (HITS) on the use of computers in home study. Also compares the use of computers and the use of other technologies and resources by four age groups: 2-5, 6-11, 12-17, and 18 and over. 1987: 44 p.; ill.
ED 1.102:C 73/2

Who Uses a Computer? *Contains concise results of the computer use supplement to the*   S/N 003-024-06777-3 $1.00
October 1984 Current Population Survey. Includes a graph on 'Children's Use of Computers, by Education of Householder and Family Income, 1984.' Issued with perforations.
1988: 2 p.; ill.
C 3.205/8:2-88

Worldwide Geographic Location Codes *Lists the standard numeric (number) and alpha (letter)*   S/N 022-003-01144-7 $19.00
codes Federal agencies should use in designating geographic locations in automatic data processing programs. Use of standard codes facilitates the interchange of machine-sensible data from agency to agency within the Federal community and to State and local groups who request or contribute to Federal programs. 1987: 400 p.
GS 1.34:987

NOT FOR SALE

BECAUSE IT'S FREE!

Every year the Government publishes thousands of books. And every year the U.S. Government Printing Office sells these books to the public. Now there's a book that tells you about the Government's new and popular publications—but it's not for sale ... it's *free!*

It's our catalog of books—hundreds of books from virtually every Government agency. The subjects range from agriculture, business, children, and diet to science, space, transportation, and vacations. And there are titles on military history, education, hobbies, physical fitness, gardening, and much, much more! There's also a special section for recently published books.

Find out about the Government's new and popular books by sending today for a copy of the book we *don't* sell. Write—

Free Catalog

P.O Box 37000
Washington. DC 20013-7000

U.S. Government BOOKS

Available from Government bookstores, too!

See inside back cover

Travel across America with ~~ment books

9