

02/24/93

ACTIVE COMPUTER RELATED CONTRACTS
(ALPHABETICAL LISTING)

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CONTRACTOR	CONTRACT NO	DESCRIPTION	CONTRACT CEILING	TOTAL OBLIGATIONS
APPLIED MANAGEMENT SYSTEMS, INC.	33-92-203-000	NRC ADP SYSTEMS DEVELOPMENT AND MAINTENANCE START DATE: 08/03/92 ENDING DATE: 08/02/95 CONTRACT TYPE IS COST PLUS FIXED FEE	14,301,874	
APPLIED MANAGEMENT SYSTEMS, INC.	33-92-203-001	TASK ORDER NUMBER 1 - PROJECT MANAGEMENT AND OTHER DIRECT COSTS START DATE: 08/03/92 ENDING DATE: 07/31/93 CONTRACT TYPE IS TASK ORDER	252,038	239,168
APPLIED MANAGEMENT SYSTEMS, INC.	33-92-203-002	TASK ORDER NUMBER 2 - SOFTWARE ADMINISTRATION START DATE: 08/03/92 ENDING DATE: 07/31/93 CONTRACT TYPE IS TASK ORDER	59,023	59,000
APPLIED MANAGEMENT SYSTEMS, INC.	33-92-203-003	TASK ORDER NUMBER 3 - DOCUMENTATION/TECHNICAL WRITERS START DATE: 08/03/92 ENDING DATE: 07/31/93 CONTRACT TYPE IS TASK ORDER	149,451	148,000
APPLIED MANAGEMENT SYSTEMS, INC.	33-92-203-004	TASK ORDER NUMBER 4 - STUDIES TO SUPPORT NRC ADP PLANNING START DATE: 08/03/92 ENDING DATE: 07/31/93 CONTRACT TYPE IS TASK ORDER	175,763	
APPLIED MANAGEMENT SYSTEMS, INC.	33-92-203-005	TASK ORDER NUMBER 5 - MAINFRAME/MINICOMPUTER SYSTEMS SUPPORT START DATE: 08/03/92 ENDING DATE: 07/31/93 CONTRACT TYPE IS TASK ORDER	2,705,121	2,305,000
APPLIED MANAGEMENT SYSTEMS, INC.	33-92-203-006	TASK ORDER NUMBER 6 - PC/LAN SYSTEMS SUPPORT START DATE: 09/01/92 ENDING DATE: 07/31/93 CONTRACT TYPE IS TASK ORDER	1,291,276	1,241,000
APPLIED MANAGEMENT SYSTEMS, INC.	33-92-203-007	TASK ORDER NUMBER 7 - APPLICATION SYSTEMS HOTLINE AND CUSTOMER SUPPORT SERVICES START DATE: 09/21/92 ENDING DATE: 08/31/93 CONTRACT TYPE IS TASK ORDER	225,375	225,000

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CONTRACTOR	CONTRACT NO	DESCRIPTION	CONTRACT CEILING	TOTAL OBLIGATIONS
APPLIED MANAGEMENT SYSTEMS, INC.	33-92-203-008	TASK ORDER NUMBER 8 - INSPECTION SYSTEMS ENHANCEMENTS (MIPS/IFS) START DATE: 09/21/92 ENDING DATE: 09/30/93 CONTRACT TYPE IS TASK ORDER	212,225	212,000
CDS INFORMATION SERVICES, INC./SBA	32-91-278-000	REGION V DATA ENTRY SERVICES START DATE: 11/14/90 ENDING DATE: 11/13/93 CONTRACT TYPE IS FIRM FIXED PRICE	238,220	238,220
CEXEC, INC.	33-90-178-000	AGENCY UPGRADE OF TECHNOLOGY FOR OFFICE SYSTEMS (AUTOS) START DATE: 09/21/90 ENDING DATE: 09/20/93 CONTRACT TYPE IS COST PLUS AWARD FEE	12,346,293	
CEXEC, INC.	33-90-178-001	TASK ORDER NUMBER 1 - OVERALL AND TASK-SPECIFIC PROJECT PLAN AND MANAGEMENT START DATE: 09/21/90 ENDING DATE: 09/20/93 CONTRACT TYPE IS TASK ORDER	662,313	667,744
CEXEC, INC.	33-90-178-003	TASK ORDER NUMBER 3 - OFFICE PLANS, INTEGRATION AND IMPLEMENTATION START DATE: 02/13/91 ENDING DATE: 09/20/93 CONTRACT TYPE IS TASK ORDER	2,758,252	2,758,247
CEXEC, INC.	33-90-178-004	TASK ORDER NUMBER 4 - NETWORK MANAGEMENT AND ADMINISTRATION START DATE: 09/15/91 ENDING DATE: 09/20/93 CONTRACT TYPE IS TASK ORDER	3,055,979	2,553,373
CEXEC, INC.	33-90-178-013	TASK ORDER NUMBER 13 - OFFICE PLANS, INTEGRATION AND IMPLEMENTATION - REGION III START DATE: 02/05/92 ENDING DATE: 02/28/93 CONTRACT TYPE IS TASK ORDER	424,135	424,135
CEXEC, INC.	33-90-178-014	TASK ORDER NUMBER 14 - OFFICE PLANS, INTEGRATION AND IMPLEMENTATION - REGION IV AND URFO START DATE: 02/19/92 ENDING DATE: 07/30/93 CONTRACT TYPE IS TASK ORDER	306,013	306,013

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CONTRACTOR	CONTRACT NO	DESCRIPTION	CONTRACT CEILING	TOTAL OBLIGATIONS
CEXEC, INC.	33-90-178-017	TASK ORDER NUMBER 17 - OFFICE PLANS, INTEGRATION AND IMPLEMENTATION - OFFICE OF INFORMATION RESOURCES MANAGEMENT START DATE: 09/30/92 ENDING DATE: 07/01/93 CONTRACT TYPE IS TASK ORDER	159,751	144,948
CEXEC, INC.	33-90-178-018	TASK ORDER NUMBER 18 - OFFICE PLANS, INTEGRATION AND IMPLEMENTATION - OFFICE OF ADMINISTRATION START DATE: 09/30/92 ENDING DATE: 07/01/93 CONTRACT TYPE IS TASK ORDER	172,561	158,580
CEXEC, INC.	33-90-178-019	TASK ORDER NUMBER 19 - OFFICE PLANS, INTEGRATION AND IMPLEMENTATION - OFFICE OF NUCLEAR REGULATORY RESEARCH START DATE: 09/30/92 ENDING DATE: 07/15/93 CONTRACT TYPE IS TASK ORDER	199,582	180,092
CEXEC, INC.	33-90-178-020	TASK ORDER NUMBER 20 - OFFICE PLANS, INTEGRATION AND IMPLEMENTATION - OFFICE OF PERSONNEL START DATE: 09/30/92 ENDING DATE: 05/01/93 CONTRACT TYPE IS TASK ORDER	120,380	97,570
CEXEC, INC.	33-90-178-021	TASK ORDER NUMBER 21 - OFFICE PLANS, INTEGRATION AND IMPLEMENTATION - OFFICE OF ANALYSIS AND EVALUATION OF OPERATIONAL DATA START DATE: 09/30/92 ENDING DATE: 07/15/93 CONTRACT TYPE IS TASK ORDER	164,560	130,130
CEXEC, INC.	33-90-178-022	TASK ORDER NUMBER 22 - OFFICE PLANS, INTEGRATION AND IMPLEMENTATION - OFFICE OF THE CONTROLLER START DATE: 09/30/92 ENDING DATE: 07/15/93 CONTRACT TYPE IS TASK ORDER	126,681	114,803
DATA COMPUTER CORP. OF AMERICA/SBA	33-92-194-000	IBM VM AND MVS SYSTEMS PROGRAMMING SUPPORT START DATE: 11/09/91 ENDING DATE: 11/08/93 CONTRACT TYPE IS LABOR HOUR	208,961	188,783

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CONTRACTOR	CONTRACT NO	DESCRIPTION	CONTRACT CEILING	TOTAL OBLIGATIONS
DATA GENERAL CORPORATION	33-91-198-000	DATA GENERAL EQUIPMENT MAINTENANCE START DATE: 09/01/91 ENDING DATE: 08/31/93 CONTRACT TYPE IS FIXED PRICE REDETERMINATION	266,410	205,000
I-NET, INC.	33-91-186-000	TECHNICAL SUPPORT SERVICES FOR TELECOMMUNICATIONS NETWORK ANALYSIS START DATE: 06/03/91 ENDING DATE: 06/02/93 CONTRACT TYPE IS TIME AND MATERIALS	361,941	361,941
INSTITUTE OF NUCLEAR POWER OPERATNS	26-92-269-000	ACCESS TO INPO PLANT RELIABILITY SUPPORT SERVICES START DATE: 04/01/92 ENDING DATE: 03/31/93 CONTRACT TYPE IS CONTRACT TYPE IS UNKNOWN	207,000	257,000
INTERNATIONAL BUSINESS MACHINES	33-92-341-000	PREVENTIVE, REMEDIAL, AND ON-CALL MAINTENANCE OF IBM 5520 ADMINISTRATIVE SYSTEMS START DATE: 08/16/92 ENDING DATE: 08/31/93 CONTRACT TYPE IS FIRM FIXED PRICE	57,206	49,029
KENROB AND ASSOCIATES, INC./SBA	10-90-140-000	DATA ENTRY/PROCESSING FBI CARDS, CRIMINAL HISTORY RULE START DATE: 06/28/90 ENDING DATE: 06/27/93 CONTRACT TYPE IS FIRM FIXED PRICE	313,195	313,195
LABAT-ANDERSON, INC./SBA	40-90-346-000	TECHNICAL SUPPORT SERVICES TO PROVIDE LICENSING SUPPORT SYSTEM DOCUMENTARY MATERIALS - COMPLIANCE REQUIREMENTS AND EVALUATION PROGRAMS START DATE: 09/28/90 ENLING DATE: 09/27/93 CONTRACT TYPE IS COST PLUS FIXED FEE	1,171,266	
LABAT-ANDERSON, INC./SBA	40-90-346-003	TASK ORDER NUMBER 3 - LSSA COMPLIANCE EVALUATION SAMPLING AND AUDIT PLANS START DATE: 10/01/92 ENDING DATE: 09/26/93 CONTRACT TYPE IS TASK ORDER	137,254	137,254
NORCOM INTERNATIONAL CORP./SBA	30-91-256-000	DATA ENTRY SERVICES FOR REGION III START DATE: 05/01/91 ENDING DATE: 04/30/93 CONTRACT TYPE IS COST PLUS FIXED FEE	282,009	270,000

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DESCRIPTION

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CONTRACTOR	CONTRACT NO	DESCRIPTION	CONTRACT CEILING	TOTAL OBLIGATIONS
ON-LINE COMPUTER SYSTEMS, INC.	33-91-192-000	INTEGRATED LIBRARY SYSTEM MAINTENANCE AND SUPPORT START DATE: 08/01/91 ENDING DATE: 07/31/93 CONTRACT TYPE IS FIRM FIXED PRICE	66,666	66,666
PACIFIC BELL	32-90-283-000	TELECOMMUNICATIONS SWITCHING SERVICES START DATE: 09/28/90 ENDING DATE: 03/30/93 CONTRACT TYPE IS FIRM FIXED PRICE	332,652	292,652
PULSAR DATA SYSTEMS, INC./SBA	33-91-189-000	PURCHASE OF MICROCOMPUTER SYSTEMS START DATE: 09/16/91 ENDING DATE: 09/15/93 CONTRACT TYPE IS FIRM FIXED PRICE	2,988,486	2,988,485
RULAND ASSOCIATES, INC.	33-91-205-000	SYSTEMS PROGRAMMING SUPPORT FOR NRC'S DATA GENERAL COMPUTERS START DATE: 05/01/91 ENDING DATE: 04/30/94 CONTRACT TYPE IS COST PLUS FIXED FEE	1,231,055	650,000
SIMULATION, SYSTMS&SRVCS TECHNLS CO	26-91-297-000	UPGRADE OF TECHNICAL TRAINING CENTER SIMULATOR THERMAL HYDRAULIC MODELS START DATE: 03/11/91 ENDING DATE: 03/10/94 CONTRACT TYPE IS TIME AND MATERIALS	1,069,362	1,139,297
STATISTICA, INC./SBA	39-88-211-000	OPERATION AND MAINTENANCE OF THE NRC'S NUCLEAR DOCUMENTS SYSTEM (NUDOCS) START DATE: 03/01/88 ENDING DATE: 02/28/93 CONTRACT TYPE IS COST PLUS FIXED FEE	21,825,192	20,910,697
WASHINGTON DATA SYSTEMS, INC./SBA	33-92-173-000	ASSISTANCE IN THE OPERATION AND MANAGEMENT OF NRC COMPUTER FACILITIES START DATE: 05/01/92 ENDING DATE: 04/30/94 CONTRACT TYPE IS COST PLUS FIXED FEE	1,896,436	1,101,300
WILSON HEWITT & ASSOC., INC./SBA	28-92-209-000	DATA ENTRY SUPPORT SERVICES FOR REGION I START DATE: 07/04/92 ENDING DATE: 07/03/94 CONTRACT TYPE IS LABOR HOUR	181,646	112,000

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DESCRIPTION

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CONTRACTOR

CONTRACT NO

CONTRACT
CEILING

TOTAL
OBLIGATIONS

ZONAR CORPORATION

33-93-181-000 SOFTWARE MAINTENANCE AND SYSTEM SUPPORT
START DATE: 01/01/93
ENDING DATE: 12/31/93
CONTRACT TYPE IS LABOR HOUR

196,000

196,000

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ACTIVE COMPUTER RELATED CONTRACTS
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DESCRIPTION

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CONTRACTOR	CONTRACT NO	DESCRIPTION	CONTRACT CEILING	TOTAL OBLIGATIONS
GRAND	COUNT	40		

BUDGET ESTIMATES FISCAL YEAR 1993

January 1992

U.S. Nuclear Regulatory Commission

Information in this report was prepared
in accordance with the provisions of
45 CFR 101.11, 101.12, and 101.13.

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Partions directed

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Nuclear Safety Management and Support

INFORMATION RESOURCES MANAGEMENT

	<u>FY 1991</u> <u>Enacted</u>	<u>FY 1992</u> <u>Estimate</u>	<u>FY 1993 Estimate</u> <u>Request</u>	<u>Change From</u> <u>FY 1992</u>
Funds (Staff)	\$36,974 (132)	\$40,780 (135)	\$40,065 (137)	-\$715 (2)

This program element provides for centralized information resources in the areas of computer, telecommunications, and information support services, including: IRM planning and program management, nationwide telecommunications equipment and services, systems development, data administration, office automation, microcomputers, records management and services, library services, document control and management, computer operations, the Information Technology Services Support Center, computer security and graphics. It provides the essential services and technical means for the agency staff to receive, store, retrieve, manipulate, process, and transmit information in support of the agency's health and safety mission. The program element is managed by the Office of Information Resources Management and comprises three major activities: (1) Policy, Planning, and Management Direction; (2) Computer and Telecommunications Services; and (3) Information Support Services.

RESOURCE CHANGES

The staff increase in FY 1993 is to place increased attention on strategic planning for the agency's future information requirements. More specifically, the staff will develop a revised long-range computer strategy to meet the agency's needs for safety and management data, high-performance computer-assisted engineering tools, full-text and image documentation, and electronic communications in a distributed, network environment. This strategy will include projecting the trends in information requirements for agency programs, assessing the impact of new agency programs and projects on future information requirements, and evaluating changes in information technology and its effect on agency planning (i.e., the likely risks and benefits of implementing such technologies and what strategies the agency should use to ensure the benefits and reduce the risks). Funding remains approximately level.

1. POLICY, PLANNING, AND MANAGEMENT DIRECTION

This activity provides for policy, planning, and management direction for telecommunications, automated data processing, and information management functions in support of NRC's mission and objectives.

Nuclear Safety Management and Support

Information management activities, programs, and systems are reviewed to determine whether they are meeting the NRC's requirements in an efficient and cost-effective manner. Any potential areas in which technology or centralization can be used to improve efficiency and effectiveness are identified for cost savings, cost avoidance, and cost recovery.

2. COMPUTER AND TELECOMMUNICATIONS SERVICES

This activity includes the evaluation, support, maintenance, and purchase of telecommunications equipment and services and the development of the system architecture for the agency's telecommunications network. Additionally, this activity includes: maintenance, support, and improvements to existing NRC automated systems; development of shared data bases and new systems; and office automation planning and the purchase, installation, and maintenance of microcomputers, hardware, software, and local area networks.

Telecommunications Services

This subactivity provides maintenance and support for telecommunications services for emergency and routine operations of the agency. Specifically, this subactivity supports telecommunications for the NRC Operations Center and the development and implementation of the Emergency Telecommunications System, as well as routine local and long-distance service.

Information Systems Development and Maintenance

This subactivity maintains and enhances current computer applications to support staff demands for information on nuclear facilities and safety issues. Applications include computer systems such as the Safety Information Management System, Master Inspection System, and Licensing Management System.

Office Automation and Network Development

This subactivity provides office automation capabilities to NRC headquarters staff. During FY 1991-1993, existing word processing systems will be replaced with personal computer-based local area networks. In conjunction with the replacement of the word processing capabilities, the NRC will network existing microcomputers, as required, to provide its staff with access to the shared data environment, as well as to enhance intra-agency communication of information.

3. INFORMATION SUPPORT SERVICES

This activity provides for the management of the flow of information related to the agency's regulatory, research, inspection, legal, management, and external relations programs and provides technical support for staff in the use of information technology, including: computer services, library and records management services, document and drawing management, graphics services, scientific code dissemination, commercial data base services, and user training and assistance. Additionally, the activity ensures agency compliance with

Nuclear Safety Management and Support

statutory requirements under the Paperwork Reduction Act of 1980, the Federal Records Act, the Federal Information Resources Management Regulation, and the Computer Security Act.

Information and Records Management Services

This subactivity provides agencywide records and reports management and library services. This includes: provision of archival storage and retrieval of agency documents; acquisition of technical, scientific, and administrative books, periodicals, reference works, and other publications; and provision of access to commercial data bases to support demands for safety and administrative information as required by the Commission and its offices.

Document Management Services

This subactivity maintains the Nuclear Documents Management System/Repository and the centralized search and retrieval system for licensing, technical, and adjudicatory documentation.

Information Technology Services

This subactivity provides training, microcomputer user support, and assistance for computer systems and graphics. In addition, it provides access to timesharing facilities such as the National Institutes of Health's Federal Computer Center, the Idaho National Engineering Laboratory, and the Oak Ridge National Laboratory. In addition, this subactivity includes responsibility to oversee participation in the Nuclear Materials Management and Safeguards System, a central data base and information support system for tracking nuclear materials.

FIVE-YEAR PLAN

FISCAL YEARS
1992 - 1996

OCTOBER 1991

U.S. NUCLEAR REGULATORY COMMISSION



NUCLEAR SAFETY MANAGEMENT AND SUPPORT
Information Resources Management

INFORMATION RESOURCES MANAGEMENT

This program element provides for centralized information resources in the areas of computer, telecommunications, and information support services. It includes nationwide telecommunications equipment and services (both routine and emergency), systems development, data administration, office automation, microcomputers, records management and services, library services, document control and management, computer operations, the Information Technology Services Support Center, and graphics. The program provides the essential services and technical means for the agency staff to receive, store, retrieve, manipulate, process, and transmit information in support of the agency's health and safety mission. The program element is managed by the Office of Information Resources Management (IRM), and is composed of three major activities: (1) Director's Office, (2) Computer and Telecommunications Services, and (3) Information Support Services.

Over the next 5 years, emphasis will be placed on providing services as efficiently as possible and upgrading services using new technology, where appropriate, to support agency needs. Major emphasis will be applied in the areas of advanced planning, total quality management, shared data and local area networks. As appropriate, new systems development and replacement of old systems will be done in the shared data environment. As part of the 5520 replacement program, local area networks will be expanded as much as possible.

Planned resource expenditures for the Information Resources Management program element are:

Activities:

Director's Office
Administrative
Support
(Staff)

Computer and Tele-
communications
Services
Administrative
Support
(Staff)

Information Support
Services
Administrative
Support
(Staff)

Program Element Total:
Administrative
Support
(Staff)

NUCLEAR SAFETY MANAGEMENT AND SUPPORT
Information Resources Management

The [redacted] beginning in [redacted] is to place increased attention on advanced planning for the agency's future information requirements and for total quality management. The funding [redacted] in [redacted] results from a combination of decreases and increases. The [redacted] result from revised estimates for telecommunications, completion of the lease/purchase agreement for the Data General MV/40000, transfer of Office of Controller data entry funds to that office, and planned funding [redacted] in the installation portion of the 5520 replacement program. These funding [redacted] are partially offset by [redacted] for a study and development of a system design for computer needs for NMSS' Division of High-Level Waste Management (HLWM), text/image processing, development of office-specific and agencywide microcomputer and local area network applications, acquisition of new and replacement of aging and obsolete microcomputers, increased usage of the Nuclear Documents System/Advanced Design, increased usage of National Institutes of Health (NIH) timesharing services, upgrade of in-house minicomputers to accommodate additional applications, efforts to begin consolidation of multiple minicomputers prior to the move to TWFN, and increased software maintenance costs. [redacted] as a result of completion of the HLWM study/design and text/image processing work, and planned funding reductions in the installation portion of the 5520 replacement program. The [redacted] is partially offset by increases for implementation of the HLWM study. Funding in [redacted] as a result of implementation of the HLWM study and completion of the installation portion of the 5520 replacement program. Funding [redacted] for telecommunications, local area network administration and support, and NIH timesharing.

PROGRAM ELEMENT GOAL

- o Ensure that the NRC maintains efficient and effective information resource management services that support the agency's staff in meeting the NRC mission, goals, and objectives.

PROGRAM ELEMENT PLANNING ASSUMPTIONS

- o NRC headquarters staff will be consolidated in White Flint during [redacted]
- o NRC will continue to maintain the Emergency Notification System (ENS) until the Emergency Telecommunications System (ETS) is implemented.
- o Shared data base growth and utilization will continue to be the focal point for future safety, management, and administrative systems applications. Centralized shared data will be interfaced with distributed local area network (LAN)-based data and applications, as appropriate.

NUCLEAR SAFETY MANAGEMENT AND SUPPORT
Information Resources Management

PROGRAM ELEMENT OBJECTIVES AND GUIDANCE

1. Allocate information management resources to support activities that contribute most effectively to the mission of protecting the public health and safety.
 - a. The NRC will develop a revised long range computer strategy in [REDACTED] to enable the agency to take full advantage of the evolving microcomputer, local area network, telecommunications, and distributed database technologies in a manner that balances individual customer office needs with the agency's need for access to centralized "corporate" information.
 - b. The NRC will continue to assess, on an ongoing basis, if information technology is being used efficiently and effectively to accomplish its health and safety mission.
 - c. The NRC will provide appropriate support for agency compliance with applicable statutes and regulations.
2. Provide efficient and effective telecommunications services for normal day-to-day operations, such that the NRC will be able to support its mission requirements.
 - a. The NRC will provide access to local and long distance voice, and data services. The NRC will maintain, support, and enhance, as required, telecommunications equipment, systems, and services.
3. Maintain and improve the telecommunications capability of the NRC Operations Center such that, in the event of an emergency at a reactor site, the NRC will have a high degree of assurance of adequate voice and data transmissions.
 - a. The NRC will continue to provide emergency telecommunications services, including the upgrade and replacement of emergency equipment.
 - b. The NRC will maintain dedicated terrestrial circuits to assure reliable emergency communications with nuclear facilities, until such time as the ETS is implemented.
 - c. The NRC will continue with the development and implementation of the ETS to ensure reliability of emergency communications. The ETS terrestrial communications link will be implemented using FTS 2000.
4. Provide efficient computer development and maintenance services such that the resulting systems and applications allow the staff to effectively support the agency mission, goals, and objectives.

NUCLEAR SAFETY MANAGEMENT AND SUPPORT
Information Resources Management

- a. The NRC will maintain and enhance, as required, current computer applications to support staff demands for information on nuclear facilities and safety issues. Applications include computer systems such as the Safety Information Management System, Master Inspection Planning System, and Licensing Management System.
 - b. The NRC will maintain and enhance, as required, current computer applications that assist its staff in performing management and administrative functions, such as Commission vote tracking, property management, and tracking expenditure of technical staff resources, and will support the payroll, personnel, financial management, and fee billing systems, in order to assure compliance with Federal regulations.
 - c. The NRC will continue to develop automated systems to improve the delivery of safety-related information to the staff, and to provide additional management and administrative applications as required. New automated systems will be developed in a shared data environment, when appropriate to do so.
 - d. The NRC will fund and oversee participation in the Nuclear Materials Management and Safeguards System, a central data base and information support system for tracking nuclear materials under the safeguards control and the special accounting procedure of the U.S. Government.
5. Provide reliable and efficient word processing capabilities in order to improve document creation, modification, and transfer capabilities between and among all NRC offices.
- a. The NRC will replace the existing automated word processing capabilities (IBM 5520, Displaywriter, and selected personal computers) with a system of personal computer-based local area networks. Replacement of existing word processing systems began in FY 1991, according to a detailed schedule and plan. The final systems will be replaced in [REDACTED] prior to the move to TWFN.
 - b. The NRC will maintain the personal computer-based local area networks utilized for word processing capabilities.
6. Maintain and enhance the personal computer environment in order to provide the NRC staff the opportunity to improve productivity.
- a. The NRC will provide computer hardware and software to offices, so that its staff will have access to the necessary tools and information to perform its assigned duties. This includes the initial acquisition of hardware and software, as well as subsequent upgrades and replacement of aging and inefficient equipment.

NUCLEAR SAFETY MANAGEMENT AND SUPPORT
Information Resources Management

- b. In conjunction with the replacement of the word processing capabilities, the NRC will implement a plan to network existing microcomputers, as required, to provide its staff with access to the shared data environment, as well as to enhance intra-agency communication of information.
7. Provide agencywide records and reports management and library services.
- a. The NRC will continue to provide archival storage and retrieval of agency documents, both active and inactive, in both hard copy and microform.
 - b. The NRC will continue to improve its information collection activities relative to the Paperwork Reduction Act, supplemental statutory requirements, and Office of Management and Budget (OMB) implementing guidance, including the Information Collection Budget and Data Revalidation/Regulatory Simplification.
 - c. The NRC will provide essential library services, including acquisition of technical, scientific and administrative books, periodicals, reference works, and other publications.
 - d. The NRC will continue to provide access to commercial data bases to support demands for safety and administrative information as required by the Commission and its offices.
8. Provide agencywide document control services.
- a. The NRC will maintain the Nuclear Documents System/Advanced Design (NUDOCS/AD), the centralized search and retrieval system for licensing, technical, and adjudicatory documentation. It will provide enhanced information access to the staff and the public by adding selected categories of documents to the system in full text. The NRC will continue to process high-level waste program documents into NUDOCS/AD and will provide for electronic submittal of NRC documents to the Licensing Support System (LSS).
 - b. The NRC will continue to explore more efficient and cost effective ways of document processing and dissemination.
9. Provide training, user support, and assistance for computer systems and graphics.
- a. The NRC will provide for training at the Information Technology Services Training Laboratory. In conjunction with the Office of Personnel, training will be provided to NRC staff in order to make effective use of automated data processing equipment and software.

NUCLEAR SAFETY MANAGEMENT AND SUPPORT
Information Resources Management

- b. The NRC will maintain the Information Technology Services Support Center to assist end-users in resolving applications problems.
 - c. The NRC will provide user support for graphics and graphics design.
10. Provide computer services and access to computer timesharing facilities.
- a. The NRC will operate and maintain all NRC-owned and leased computer equipment and operating systems software. The NRC will provide for the planning of a consolidated computer center in TWFN.
 - b. The NRC will provide access to timesharing facilities such as the NIH Federal Computer Center, the Idaho National Engineering Laboratory (INEL), and the Oak Ridge National Laboratory. The NRC will also periodically review timesharing cost reports and implement procedures, as necessary, to maintain control of agency timesharing resources.
 - c. The NRC will efficiently and effectively support the computing requirements of its staff through hardware and software installation and maintenance of NRC-owned microcomputer equipment.
 - d. The NRC will ensure compliance with the Computer Security Act of 1987 (Public Law 100-235), OMB Circular A-130, "Management of Federal Information Resources," and NRC Manual Chapter 2301, "Systems Security."

ACTIVITIES AND SUBACTIVITIES

Director's Office (Activity)

This activity provides direction to, planning for, and support of, the Office of Information Resources Management.

Planned resource expenditures for the Director's Office of the Information Resources Management program element are:

Administrative
Support
(Staff)

The resource [REDACTED] beginning in [REDACTED] is to place increased attention on advanced planning for the agency's future information requirements and for total quality management.

NUCLEAR SAFETY MANAGEMENT AND SUPPORT
Information Resources Management

Policy, Planning, and Management Direction (Activities)

1. The office, in coordination with the IRM Strategic Steering Board, will develop and maintain an enhanced long-range plan for all facets of information resources management. One component of the plan is the long-range computer strategy that will be developed to better meet the agency's needs for safety and management data, high performance computer assisted engineering tools, full-text and image documentation, and electronic communications in a distributed, network environment. This strategy will include projecting the trends in information requirements for agency programs, assessing the impact of new agency programs and projects on future information requirements, and evaluating changes in information technology and its effect on agency planning (i.e., the likely risks and benefits of implementing such technologies and what strategies the agency should use to ensure the benefits and reduce the risks). Following approval by the IRM Strategic Steering Board, the computer portion of the long-range plan will be submitted to the Commission in [REDACTED]. Other components of the plan will be enhanced over the course of the planning period. (Program Guidance 1.a, 1.b)

2. The office will acquire, evaluate, demonstrate, develop, and begin to implement advanced information technologies, including hardware, software, and computer-assisted software engineering (CASE) tools, to supplement the agency's critical areas requiring information support, including efforts to upgrade the agency's capabilities in the areas of computer-aided design/computer-aided modeling (CAD/CAM), distributed information processing in network environments, electronic data interchange and communications, configuration management, artificial intelligence, PC-based code applications, and high resolution graphics and image technologies. These efforts will be directed toward priority areas where they could have immediate benefits or could potentially enhance the overall performance of an agency program. The capability will: (1) enable the agency to take advantage of rapidly changing technology developments; (2) respond to emergency and unanticipated, high priority requirements for information technology support; (3) keep pace with the changing information environment within the nuclear industry; and (4) foster improvements in agency efficiency, quality, and productivity. In [REDACTED] the office will work with NRR, NMSS, RES, and AEOD to evaluate, demonstrate, and begin to implement advanced, high performance engineering workstations in specific test environments. During [REDACTED] the agency will: (1) continue to acquire and integrate specialized, high performance workstations in selected programs; (2) develop and implement a program for the application of Electronic Data Interchange to selected agency programs; (3) identify, demonstrate, and evaluate new technologies with potential for improving the performance of the agency's mission; (4) develop pilot programs to evaluate alternatives to mainframe computer processing that could move the agency in the direction of a distributed, network environment; and (5) establish

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a program to ensure that new technologies are integrated into the agency's operating environment consistent with effective standards, quality assurance, and system life cycle management. (Program Guidance 1.a, 1.b)

3. The office will provide for policy, planning, and management direction for telecommunications, automated data processing, and information management functions in support of NRC's mission and objectives. It will also direct and supervise the execution of agency policies and procedures in these areas. (Program Guidance 1.a-10.d)
4. The office will conduct reviews of information management activities, programs, and systems to determine whether they are meeting the NRC's requirements in an efficient and cost-effective manner. The office will identify potential areas for cost savings, cost avoidance, and cost recovery, and areas where technology or centralization can be used to improve efficiency and effectiveness. The office will also comply with the Paperwork Reduction Act of 1980 and the Federal Information Resources Management Regulations, Subpart 201-221, that require NRC to conduct periodic 3-year reviews of information resources management activities. (Program Guidance 1.a-10.d)
5. The office will provide direction on internal organization, functional assignments, policies, and procedures as required to carry out the functions of the Office of Information Resources Management, including budget formulation and execution, training, and travel. (Program Guidance 1.a-10.d)

Computer and Telecommunications Services (Activity)

This activity includes the evaluation, support, maintenance, and purchase of telecommunications equipment and services, and development of the system architecture for the agency's telecommunications network. Additionally, this activity includes maintenance, support, and improvements to existing NRC automated systems; development of shared data bases and new systems; and office automation planning and the purchase, installation, and maintenance of microcomputers, hardware, software, and local area networks.

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Planned resource expenditures for the Computer and Telecommunications Services activity of the Information Resources Management program element are:

Administrative
Support
(Staff)

[REDACTED]

The funding [REDACTED] in [REDACTED] results from a combination of decreases and increases. The [REDACTED] result from revised estimates for telecommunications, the transfer of Office of Controller data entry funds to that office and planned funding [REDACTED] in the installation portion of the 5520 replacement program. These funding [REDACTED] are partially offset by [REDACTED] for a study and development of a system design for computer needs for NMSS' Division of High-Level Waste Management (HLWM), text/image processing, development of office-specific and agencywide microcomputer and local area network applications, and acquisition of new and replacement of aging and obsolete microcomputers. Funding [REDACTED] in [REDACTED] as a result of completion of the HLWM study/design and text/image processing work, and planned funding [REDACTED] in the installation portion of the 5520 replacement program. The [REDACTED] funding [REDACTED] is partially offset by [REDACTED] for implementation of the HLWM study. Funding in [REDACTED] as a result of implementation of the HLWM study and completion of the installation portion of the 5520 replacement program. Funding [REDACTED] in [REDACTED] for telecommunications and local area network administration and support.

Telecommunications Services (Subactivities)

1. Over the planning period, the office will continue to lease telecommunications equipment, and will continue to install, service, and maintain NRC-owned equipment. This includes various telephones, modems, cellular phones, portable teleconferencing units, facsimile, broadband, pagers, multiplexors, NRC Operations Center equipment, and other voice and data equipment in support of NRC needs. The office will continue to replace leased equipment with NRC-owned equipment and provide replacements for unserviceable equipment. (Program Guidance 2.a)
2. The office will continue to provide services for NRC voice and data networks and systems, such as dialtone and local telephone usage charges, the Federal Telecommunications System 2000 (FTS-2000), voice mail, and the Autodialing Network System (ANS). (Program Guidance 2.a)
3. The office is working with GSA to evaluate an option to include resident inspectors on the FTS-2000 network. Additionally, since the regions

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currently fund their own non-FTS long distance costs, the office is also addressing the feasibility of GSA billing the regions directly for FTS-2000 services beginning in [REDACTED]. Funding adjustments for FTS-2000 services might be necessary between the regions and headquarters beginning in [REDACTED] as a result of GSA decisions. (Program Guidance 2.a)

4. The office will continue to work with GSA to implement the Washington Interagency Telecommunications System (WITS), anticipated to occur in early [REDACTED]. WITS will be a GSA-provided CENTREX service for the White Flint complex, providing services similar to those currently provided by C&P Telephone Company.

The office is continuing to work with GSA to determine the funding impacts of WITS. While WITS is being implemented in [REDACTED], there will be implementation charges and overlapping charges for the two systems, as well as overhead charges for GSA. NRC is renegotiating a Rate Stability Plan for Bethesda with C&P Telephone Company. It is unknown whether GSA will offer rate stability under the WITS plan or whether GSA-negotiated rates will apply.

The office is continuing to address the following concerns:

- The budget impact of WITS in the Rockville area; and
 - The impact on operations and billing procedures. For example, the WITS plan will require 7 and 9 digit dialing, as opposed to the current 5 digit option, and charges for local usage on WITS will be time and distance sensitive, as opposed to the current fixed rate. (Program Guidance 2.a)
5. The office will provide engineering and planning support for headquarters relocation to TWFN. This includes all moves, adds, or changes to data, voice, and video equipment and services. In addition, the office has enhanced the existing cabling in One White Flint North with fiberoptic backbone cabling to accommodate ongoing and future requirements for high speed data communications for local area networks and the current computer center. (Program Guidance 2.a)
 6. Over the planning period, the office will provide for the INEL to accomplish engineering and onsite technical support for the Autodialing Network System (ANS), including network monitoring, hotline staffing, and technical assistance. The ANS consists of multiplexors, digital service units, modems, and specially conditioned data lines to provide high quality data communications services. The network provides data service for the headquarters, regions, and national laboratories, and connectivity to the NIH. (Program Guidance 2.a)

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7. The office will provide for dial tone and local telephone usage charges in support of the NRC Operations Center, as well as lines and equipment between the NRC Operations Center and nuclear power plants. At this time, emergency support includes the Emergency Notification System (ENS), interim Health Physics Network, Federal Telephone System (FTS), teleconferencing, pagers, facsimile machines, multi-channel recording equipment, cable television, secure voice, and the telephone switch located in the NRC Operations Center. (Program Guidance 3.a, 3.b)
8. The office will provide support for emergency telecommunications services during incidents or exercise drills at the regions and power plants. Additionally, the office will provide support to the National Communications System (NCS). Support to NCS allows the identification of NRC circuits that would have priority use during emergencies and allows for restoration of circuits during outages. (Program Guidance 3.a, 3.b)
9. The office will provide for telecommunications backup support from the Boise Interagency Fire Control Center in the event of an emergency at a nuclear power plant. (Program Guidance 3.a)
10. The office supported the NRC Operations Center by replacing obsolete recorder equipment (FY 1991), and will obtain portable teleconferencing units for use by NRC personnel [redacted] in each year [redacted]. (Program Guidance 3.a)
11. In [redacted] the Commission approved a proposed upgrade to the NRC's Operations Center emergency telecommunications as recommended in SECY 87-290. The proposed upgrade consisted of a diverse network employing both satellite and terrestrial communications paths. During [redacted] the use of FTS-2000 to provide lower cost alternatives to the original terrestrial network was explored. IRM and Office for Analysis and Evaluation of Operational Data (AEOD) staff have jointly pursued this option and concluded that the use of FTS-2000 is a reliable, cost effective replacement for the ENS and will also meet the requirements for the terrestrial portion of the proposed ETS. The staff advised the Commission in SECY 91-149 that it plans to implement the FTS-2000 portion of ETS. Studies are currently ongoing to determine the exact configuration of the ETS system and associated costs.

The current budget for emergency communications includes FTS-2000 service as the terrestrial portion of ETS as described in SECY 91-149. (Program Guidance 3.a, 3.c)
12. The office replaced existing "foreign exchange" terrestrial lines for the Emergency Response Data System (ERDS) with FTS-2000 Service in FY 1991 and will convert the Health and Physics Network (HPN) to FTS-2000 service during [redacted] (Program Guidance 3.b)

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13. The office was provided with a design engineering study for the ETS by INEL in early FY 1991. INEL has also provided a statement of work for use by NRC to prepare a Request for Proposal for implementation of the upgraded ETS in [REDACTED]. (Program Guidance 3.c)
14. The office will provide for data and video connectivity between NRC headquarters offices, regions, national laboratories, and the Technical Training Center as well as data connectivity to NIH using wideband capability. (Program Guidance 2.a)

Information Systems Development and Maintenance (Subactivities)

1. The office will continue to maintain, enhance, and provide data entry support for safety information systems within NRC. These systems include, but are not limited to, the following: Safety Issues Management System; Operator Licensing Tracking System; Master Inspection Planning System; Inspection Procedure Authority System; Probabilistic Risk Assessment Information System; Daily Plant Status System; Emergency Response Data System; and Allegation Management System. (Program Guidance 4.a)
2. The office will continue to maintain, enhance, and provide data entry support for management and administrative systems within NRC. These systems include, but are not limited to, the following: Regulatory Information Tracking System, which includes the Technical Assignment Control System, Technical Assistance Program Support System, Licensing Management System; Voter Tracking System; Commission Calendaring System; Work Item Tracking System; Full-Time Equivalency Tracking System; Public Document Room Bibliographic Retrieval System; Automated Contracting System; Administration Budget Control System; Integrated Financial Management Information System; Payroll System; Automated Personnel System; Materials License Fee System; Facilities Inspection Fees System; and Procurement Acquisition and Supply System, which includes Supply Tracking, Inventory Control and Requisition and Maintenance Tracking. (Program Guidance 4.b)
3. During [REDACTED] the office will provide the following support functions for all shared data base development and maintenance projects:
 - a. Manage the data base environment to assure the development and delivery of data bases that can be optimized for users as a whole. Perform data analysis and data modeling for each shared data system development project, and develop logical and physical data base structures that support the needs of end users. Maintain and monitor the security and integrity of NRC data bases.
 - b. Establish and maintain an NRC data dictionary that facilitates the management of data as an agency resource. Establish and implement a data quality assurance program for shared data.

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- c. Perform strategic and tactical data and systems planning and migration for converting obsolete systems to new hardware and software.
 - d. Implement agencywide data management policies, standards, and procedures including a standard software development lifecycle. Evaluate and acquire computer-assisted software engineering (CASE) tools and other tools needed to support systems maintenance and development in a modern data base environment. (Program Guidance 4.a, 4.c)
4. The office will continue to develop systems to meet new office requirements as well as to replace older systems in need of redevelopment. The major factors used in determining the order and priority for these efforts are: (1) prioritization of needs for agencywide safety-related systems and data identified by the offices and regions; (2) the need to improve administrative systems; (3) the need to avoid continuing increases in timesharing costs by moving certain resource-intensive applications to new hardware or software; and (4) response to individual office requests. (Program Guidance 4.c)
5. During ~~FY 1991~~ three major systems development or conversion efforts were worked on and will be completed in ~~1991~~. They are:

Conversion of Agency Manpower Systems to the Shared Data Environment

The present agency manpower and project tracking systems do not provide the planning, scheduling, or resource allocation functions needed to effectively manage the agency's staff resources. Since they evolved in a piecemeal fashion over a number of years, the systems do not work together efficiently and seamlessly. NRR is utilizing the Workload and Information Scheduling Program (WISP) project in order to better manage its resources and track the progress on licensing actions. As a follow on to the WISP project, the office will reanalyze and convert all the manpower and project management-related systems to the shared data environment (including elimination of the interfaces among RITS, SIMS, and WISP) and provide better project management tools to all the headquarters offices and regions. In addition to being essential to the proper interfacing of WISP with other agency manpower data, this project will be completed in ~~1991~~ prior to the development of the License Fee Billing System.

Completion of the Integrated Event Update/Retrieval Application

This project will provide an automated tool to support the NRR Events Assessment Branch in recommending quick regulatory actions, based on initial event information from reports called in to the NRC Operations Center (i.e., 50.72's), Preliminary Notifications, and Daily Reports;

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and to assist the staff in retrieving historical information in a rapid manner on similar or related events, regardless of the source of the event information.

The Shared Information Network event data base and query system already has much of the needed information on both 50.72's and Licensee Event Reports (LERs), and is readily accessible by the staff. Current plans are to expand the event data base to address the specific needs of the NRR staff and to move toward a single integrated event data source, including 50.72's, LERs, Preliminary Notifications, Daily Reports, and, at a minimum, a reference to any event follow-up report.

This project will also address a related request from the Office for Analysis and Evaluation of Operational Data (AEOD) to make Daily Reports available through the Shared Information Network.

Automation of Personnel Security Application

The Division of Security (SEC) is responsible for maintaining active personnel screening records on approximately [REDACTED] NRC employees, consultants, contractors, licensees, and others with NRC security clearance or material access authorization. Much of this maintenance is done with manual, paper based systems that are extremely personnel resource intensive. Because of recent significant expansions of the NRC personnel security program by congressional mandate and EDO decisions ("L" reinvestigation program, expedited processing for some employees such as resident inspectors and their clerical aides, personnel screening of NRC contractors with access to safeguards information and/or nuclear power plants, etc.), the processing system has become overloaded and backlogs are growing. Using a single data model, individual microcomputer systems are being developed to address the most pressing of SEC's needs. The architecture of the system is designed to permit the integration of the individual systems into a single system once Security has its own local area network. (Program Guidance 4.c)

6. In [REDACTED] systems development and conversion efforts will include the completion of the Agency Manpower System, the start of the License Fee Billing System, and a major project to review agency employee data, including consideration of an integrated Personnel/Payroll System and use of a single source of employee data in all agency data systems. (Program Guidance 4.c)
7. During [REDACTED] systems development and conversion efforts will include the Personnel/Payroll System, the Division of High-Level Waste Management advanced computer analytical review system, inspection related systems, engineering systems, and image processing. (Program Guidance 4.c)

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8. During [redacted] the need to develop and support microcomputer and LAN-based applications will grow at a very rapid rate as [redacted] of microcomputers and [redacted] LANs are installed throughout the agency. The office is planning to apply significant resources to this area in order to fully exploit the potential benefits of the new technology and to effectively integrate centralized and distributed data and applications throughout the agency. (Program Guidance 4.c)
9. Over the entire planning period, the office will continue efforts in the distribution of monthly nuclear power plant status information, the annual report on radioactive materials released from nuclear power plants (Effluents Report), and the population dose commitment report (Dose Report). (Program Guidance 4.c)

Office Automation and Network Development (Subactivities)

1. The office will provide for a phased approach to achieve full automation of all agency offices to improve communication capabilities and contribute to the improvement of NRC staff productivity. These efforts will be achieved by providing user-friendly access to central computer data bases available to NRC, as well as providing the capability to perform analysis of data at individual workstations. The office has begun to implement Phase I, which replaces current IBM 5520 and IBM Displaywriter word processing workstations with microcomputers configured into local area networks (LANs), to provide agencywide accessibility for document creation, modification, and transfer. The presently installed IBM 5520 units and Displaywriters will be replaced with personal computers linked together on LANs, with completion expected in [redacted]. The LANs will also be interconnected into Wide-Area Network (WAN) configurations, as required, to provide agencywide information exchange and to maximize data sharing.

The office will implement Phase II, which involves the incorporation of existing stand-alone microcomputers into LAN configurations, as required. As specific needs for each office are addressed under Phase I, other microcomputers and associated work flows will be reviewed for possible networking. The office will conduct Phase II concurrently with Phase I. The office will work with each user office to determine the degree of other networking to be accomplished.

The schedule for Phases I and II is as follows:

* Completed in FY 1991: * LAN Training Lab, General Counsel, Chairman and Commissioners' offices, Executive Director for Operations, Secretary, Governmental and Public Affairs, Consolidation, and Enforcement.

[redacted] Nuclear Reactor Regulation, Nuclear Materials Safety and Safeguards, Region I, Region II, Region III, Region IV, and Region V.

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[REDACTED]: Research, Personnel, Advisory Committee on Reactor Safeguards/ Advisory Committee on Nuclear Waste, Information Resources Management, Administration, Small and Disadvantaged Business Utilization and Civil Rights, Investigations, Atomic Safety and Licensing Board Panel, Public Document Room, Inspector General, and the Licensing Support System Administrator, Controller, and Analysis and Evaluation of Operational Data (including Technical Training Center). (Program Guidance 5.a, 5.b)

2. The office will provide LAN operations and maintenance support, and necessary hardware and software upgrades to the offices during the planning period. (Program Guidance 5.b)
3. The office will implement Phase III, following the completion of Phases I and II. Phase III involves the acquisition of additional microcomputer hardware, software, and support for staff that have no microcomputers to date. Word processing, data base, spreadsheet, office automation applications and communications software will be provided on these microcomputers. (Program Guidance 6.a, 6.b)
4. The office will maintain and upgrade existing microcomputers and ADP equipment, including extending the useful life of existing microcomputer equipment by adding additional hardware and software, and replacing aging and obsolete equipment with new technology beginning [REDACTED] (Program Guidance 5.a, 6.a)

Information Support Services (Activity)

This activity provides for the management of the flow of information related to the agency's regulatory, research, inspection, legal, management, and external relations programs, and provides technical support for staff in the use of information technology, including computer services, library and records management services, document and drawing management, graphics services, scientific code dissemination, commercial data base services, and user training and assistance. Additionally, the activity assures agency compliance with statutory requirements under the Paperwork Reduction Act of 1980, the Federal Records Act, the Federal Information Resources Management Regulation (FIRMR), and the Computer Security Act.

Administrative
Support
(Staff)

Funding [redacted] in [redacted] as a result of the [redacted] usage of the Nuclear Documents System/Advanced Design, [redacted] usage of NIH timesharing services, upgrade of in-house minicomputers to accommodate additional applications, efforts to begin consolidation of multiple minicomputers prior to the move to TWFN, and [redacted] software maintenance costs. The [redacted] funding [redacted] is partially offset by completion of the lease/purchase agreement for the Data General MV/40000. Funding [redacted] in [redacted] for NIH timesharing.

Information and Records Management Services (Subactivities)

1. The office will continue to provide support by ensuring that all record collections have National Archives and Records Administration or GSA approved disposition authorities and by maintaining the File Center, the agency's Archival Facility, and automated accountability system of agency records, to provide the staff ready access to the agency's official documentation. The office, in coordination with AEOD, will reactivate the agency's vital records program to ensure that those documents required for the NRC's continued operation are readily available at the Federal Emergency Management Agency site. The office will provide continued contractor support to preserve agency official records in a secure, environmentally controlled facility, with pickup and delivery services between the contractor site and all NRC buildings, the Federal Records Center, and the Recycling Center. During [redacted], large quantities of documents will be retired from Central Files. (Program Guidance 7.a)
2. The office will provide service for the continuing maintenance and purchase of micrographics equipment in support of NUDOCS/AD workstations and will provide contracted micrographics services for documents that are not processed through NUDOCS/AD, in order to decrease the amount of prime office space used to store hard copy documents. The office will continue its efforts to restructure the NRC micrographics program based on continuous assessment of the program to improve operations and service. (Program Guidance 7.a)
3. The office will continue to manage the agency's Information Collection Budget authorized by the Office of Management and Budget and, subject to

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of textual-numeric form. Some examples of these data bases are LEXIS/NEXIS, providing a full-text retrieval system for legal, regulatory, and legislative files, publications in various disciplines, and newswire services; Nuclear Plant Reliability Data System (NPRDS), providing access

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to the data base maintained by the Institute for Nuclear Power Operations (INPO); Geophysical Data Base Storage, providing localized meteorological, hydrological, and seismic information for any place in the United States; Treasury Financial Management, providing access to the latest updates of the U.S. Treasury financial manuals and reports; and Online Computer Library Center, providing online services to cataloging and interlibrary loan. (Program Guidance 7.d)

Document Control, Dissemination, and Information Support Services (Subactivities)

1. The office will operate and maintain the NUDOCS/AD, the agency's system for the control, dissemination, storage, and retrieval of documentation in support of the licensing, enforcement, rulemaking, and public availability of NRC publications, issuances, and documents. In [REDACTED], the office will complete improvements to NUDOCS/AD by upgrading the computer hardware and software. The office will also continue to refine the measurement of system effectiveness and provide the Commission with an evaluation of user satisfaction and system acceptability. (Program Guidance 8.a)
2. The office will continue to examine more efficient and cost effective ways of document processing and dissemination, including the exchange of electronic documentation, both internal and external to NRC, while maintaining the existing level of service throughout the rest of the planning period. (Program Guidance 8.b)
3. The office will continue to process high-level waste documents into NUDOCS/AD and will provide, through NUDOCS/AD, the mechanism for electronic submittal of NRC documents to the Licensing Support System (LSS). NUDOCS/AD system design updates will be compatible with the LSS design to enhance the electronic document exchange process. (Program Guidance 8.a)

Information Technology Services (Subactivities)

1. The office will provide contractor support for ADP courses and hands-on microcomputer training, as well as training for users of NRC-accessible mainframes. These efforts are developed and managed jointly with the Office of Personnel, with IRM providing guidance on course content and technical issues. (Program Guidance 9.a)
2. The office will maintain the Information Technology Services Support Center to assist end-users of microcomputers in resolving application problems and making effective use of automated data processing equipment and software. It will hire contractors to provide technical assistance to NRC staff in both the center and at workstations to ensure NRC staff inquiries receive timely and informed responses. The office will provide for the installation and maintenance of microcomputer hardware and software and the movement of microcomputers within the agency in response to program office

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requests related to work performance efficiency, reorganizational requirements, and reconfigurations of workspaces. (Program Guidance 9.b)

3. The office will implement and make available scientific codes so that they may be tested or used in the regulatory or safety research programs. It will continue to meet NRC staff requirements for scientific code support at the current level and assist NRC staff and/or NRC contractors in preparing all necessary materials to submit a scientific computer code package to Federal software centers. It will respond to walk-in and telephone requests for codes with information on their availability, and will continue to install codes as required by the NRC technical programs on INEL, NIH, or NRC computers for use in regulatory and research programs. Each year, it will update the inventory of documented NRC scientific software; continue to provide support for personal computer-based tools such as those used to establish the reliability of reactor systems and to analyze the risk of reactor accidents; and complete training programs for agency use of computer codes. (Program Guidance 9.b)
4. The office will provide the current level of graphics services to NRC staff, including graphics design and consultation services, and the production of charts, graphs, diagrams, illustrations, engineering drawings, and 35mm slides. Graphics services will rely on a combination of existing equipment, including a professional graphics workstation, phototypesetter, microcomputer system, and planned updated microcomputer system with associated peripherals to offer further end-use graphics support on site. (Program Guidance 9.c)
5. The office will operate and maintain computer services to provide essential support for safety, management, and administrative systems. This includes providing efficient and responsive management and operation of the agency's automated data processing resources located in multiple computer facilities. The office will also provide for the maintenance of the operating and applications system software on the in-house minicomputers and at the timesharing site, as well as provide for the maintenance of the in-house mini-computer hardware. (Program Guidance 10.a)
6. The office will provide maintenance services for all ADP and word processing hardware. (Program Guidance 6.a, 10.c)
7. During [REDACTED] the office will continue to evaluate and implement, as required, more cost efficient alternatives to timesharing services, without disruption of essential ongoing services, if possible. (Program Guidance 10.b)
8. The office will continue to review the current mainframe computer environment to address impacts in the following areas: increasing costs to maintain aging hardware and software; obsolescence of minicomputer

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hardware and software; inefficient utilization of existing minicomputer operations and resources; increasing timesharing costs; and potential need for replacement of existing hardware. (Program Guidance 10.a)

9. The office will continue planning for the establishment of the consolidated NRC Computer Center at TWFN in [REDACTED] as an efficient, reliable access point for all computer based services. The center would consolidate current computer capabilities at the Phillips, Woodmont, and Maryland National Bank locations. The existing One White Flint North computer room will be retained to provide a remote job entry facility contingency site, as well as an off-site tape library for the TWFN center.

[REDACTED]
[REDACTED]
[REDACTED] (Program

10. The office will maintain the Nuclear Materials Management and Safeguards System (NMMSS) at the current level of services, which provides for the central data base and information support system for tracking nuclear materials under the safeguards control and the special accounting procedure of the U.S. Government. The NRC provides funds, in conjunction with DOE, for the operation and maintenance of NMMSS at DOE's Oak Ridge facility. During [REDACTED] operations will be reviewed to determine if modifications can be made to improve efficiency and cost control. (Program Guidance 4.d)
11. The office will continue to meet the requirements of the Computer Security Act of 1987 (Public Law 100-235) to: (1) identify any computer system containing sensitive information, (2) establish a plan for the security and privacy of each system identified, and (3) conduct a security awareness and good practices training program for all employees involved with the management, use, or operation of any computer system in the agency. The office will also ensure compliance with OMB Circular A-130, "Management of Federal Information Resources," and NRC Manual Chapter 2301, "Systems Security." (Program Guidance 10.d)