MANAGER/OFFICE: <u>James B. Schaeffer</u>, OCIO/EDO

SUPPORT OFFICES: NA

DESCRIPTION: The program encompasses the development and maintenance of a comprehensive information technology (IT) applications management program to support the mission and program activities of the NRC, and involves the coordination of all agency IT applications development and support activities to ensure applications are efficiently developed and operationally sound on an agencywide basis. It includes the formulation of approaches to provide appropriate information technology solutions to information management problems confronting the agency. Also included are the development and maintenance of methodologies to guide all agency activities throughout the entire applications life cycle, and the development of components of the agency's information technology architecture pertaining to software engineering and development tools, data base management systems, and document management systems. The program also implement an agency computer security program encompassing administrative, technical, and physical security measures for the protection of NRC's information, automated information systems, and IT infrastructure. This program also encompasses information technology planning and assessment activities needed to plan the evolution of NRC's IT environment, as well as activities to implement the Clinger-Cohen Act of 1996, including IT architectures.

PROGRAM COMMITMENTS

AD.1 Planned Accomplishment: Applications Support and Integration

Description: Provide services that form the foundation for all applications development, maintenance, and operational activities including oversight and management 1 of the Comprehensive Information Systems Support Consolidation (CISSCO II) functional area 1, "Software Development, Operations, and Maintenance" to provide operations and maintenance support to application systems; enhancement and management of the agency's Systems Development and Life Cycle Management Methodology; configuration management (ensuring that all application systems documentation, program modules, executables, libraries, and software engineering and development tools are current and available and that the relationships and dependencies among them are fully documented); maintenance of the application systems maintenance and testing environment; and provide WEB-based applications support.

	Planned	Actual
AD.1.A Milestones		

AD.1.A.1   High Level Waste - Licensing Support Program (HLW-LSP)

	Planned	Actual
1. Complete LSP/EHD concepts of operation document	Q1	Q1
2. Implement pre-hearing Electronic Hearing Docket (EHD) and protective Order file (phase I)	Q2	Q2
3. EIE adjudicatory processes implementation	Q2	see status
4. Build initial EHD-to-DDMS (Digital Data Management System) interface	Q4	

AD.1.A.2   Electronic Information Exchange (EIE)

	Planned	Actual
1. Pilot transmittal of performance indicator data via EIE	Q4	
2. DCPM/EIE pilot	Q4	
3. Revise 10 CFR to permit all licensees to submit documents electronically under EIE.	Q2	see status
4. Conduct pilot for adjudicatory hearing requirements	Q2	see status

AD.1.A.3   CISSCO II

	Planned	Actual
1. Develop an agency action plan to begin a program to improve agency software delivery processes.	Q3	
2. Develop and brief a semi-annual report for CISSCO-II Functional Area 1, "Software Development, Operations, and Maintenance"	Q2	Q2

AD.1.A.4. WEB APPLICATION SUPPORT

1. Secure contract support for vulnerability assessment of several NRC applications, including LSN, DDMS, and external web	Q1	Q1
2. Establish and train testing team for redesigned external web site	Q1	Q1
3. Direct team in testing redesigned web pages	Q1	Q1
4. External web - technical review and documentation	Q2	Q2
5. Establish Agency-wide 508 task force	Q2	see status

AD.1.A.5 STARFIRE

1. Investigate the ease of implementation, price, and schedule for the PeopleSoft Version 8 implementation.	Q2	Q2

2. Continue to improve STARFIRE performance by:
    Moving to a stronger server
    Removing Acceptance Test & Conversion Databases from production machinery
    Moving to PeopleSoft Tools version 7.61
    Moving to Version SyBase 12.x, UNIX 2.8
	Q2	see status

3. Produce a database for Payroll History external and internal agency reporting for the Office of OCFO.	Q2	Q2
4. Organize and plan for the operational maintenance of STARFIRE. Institute and establish the Maintenance and Operations contract for STARFIRE to include Level 2 and Level 3 support services.	Q2	Q2
5. Provide reporting from the Cost Accounting Data Mart for distribution to agency managers.	Q2	see status
6. Implement STARFIRE and provide technical support	QI	Q1

AD.1.A.6 ADAMS

	Planned	Actual
1. Implement Public Interface Prototype (PIP)	Q2	see status
2. Implement ADAMS 4.0	Q2	see status
3. Implement ADAMS Internal & Public Legacy Libraries	Q2	see status

AD.1.A.7 ADMINISTRATIVE SERVICE REQUESTS SYSTEM

	Planned	Actual
1 Implement a test environment for the Intranet access to the Administrative Service Request System (ASRS) .	Q1	Q1
2. Start testing the service programs for accuracy and comparability with the current LAN access to the ASRS.	Q1	Q1
3. Completion of testing the service programs for accuracy and comparability with the current LAN access to the ASRS.	Q4	

AD.1.A.8 RPS LICENSING AND OTHER PLANNING MODULE

	Planned	Actual
1. Begin RPS/LOP Production Operation	Q1	Q1

	Planned	Actual
AD.1.A.9 PUBLIC MEETING NOTICE SYSTEM		
1. Complete Functional Requirements	Q1	Q1
2. Complete Business Case	Q2	see status
3. Complete Prototype	Q3	
4. Finalize Development & Implementation Schedule	Q4	

Note: Above milestones apply to the Public Meeting Notice System (PMNS) being developed by in-house staff. All milestones are dependent on ITID providing the required hardware and software.

AD.1.B   Milestones that impact other offices:

AD.1.C   Output Measures: None

AD.1.D   **Status**:

AD.1.A.1.3	Moved to Q3 per request of pilot participants.
AD.1.A.2.3	Now planed for Q3. Commission paper and rule with EDO for signature.
AD.1.A.2.4	Now planned for Q3. Software was on backorder. ITID to install in test environment upon receipt.
AD.1.A.4.5	Moved to Q3 due to unavailability of key players.
AD.1.A.5.2	Three of the four sub-milestones were met. Peoplesoft upgrade to 7.62 took precedence and OICO wanted to minimize impact by delaying move to SyBase 12.x (now 11.92) and UNIX 2.8 (now 2.6). These moves are now planned for completion in Q4.
AD.1.A.5.5	Clarification of functional requirements was not completed as scheduled. Q3 is now the planned completion for this event.
AD.1.A.6.1	Moved to Q1-FY2003 due to higher priority ADAMS 4.0 activity.
AD.1.A.6.2	Moved to Q4 due to unanticipated WINDOWS 2000 requirements for public access.
AD.1.A.6.3	Moved to Q2 FY2003 to coincide with ADAMS release 4.0.
AD.1.A.9.2	Moved to Q3. Awaiting approval of business case from business sponsor.

AD.2   Planned Accomplishment: Computer Security

Description: In accordance with Federal laws and regulations, implement an agency computer security program encompassing administrative, technical, and physical security measures for the protection of NRC's information, automated information systems, and IT infrastructure. Provide support to the Office of Administration, Division of Facilities Security, in conducting security reviews of gaseous diffusion plants. Provide guidance and/or assistance to OCIO and other NRC offices to develop and implement security controls and business continuity plans for their major applications and general support systems.

The Office of Management and Budget (OMB) Circular A-130, *Management of Federal Information Resources*, Appendix III, *Security of Federal Automated systems*, requires Federal agencies to provide an adequate level of security for all agency automated information systems to ensure that they operate effectively and efficiently, that the appropriate physical, personnel, administrative, and technical controls are implemented, and to ensure continuous operation of automated systems that support critical agency functions. NRC Directive 12.5, *NRC Automated Information Systems (AIS) Security Program,* established a program for reviewing security requirements, performing risk assessments, developing and testing business continuity plans, and developing system security plans for its major applications and general support systems. The NRC AIS Security Program specifies minimum general controls over physical security of AIS assets that should be implemented at the system level to minimize risks to the confidentiality, integrity, and continued availability of the information processed by NRC AIS. An updated risk assessment, security plan, and certification testing is performed on all NRC major application and general support systems on a periodic basis.

AD.2.A   **Milestones**

AD.2.A.1   GISRA assessment remediation activities   <u>Planned</u>   <u>Actual</u>

		Planned	Actual
1.	Establish centralized monitoring/reporting function	Q4	
2.	Implement security plan. certification, accreditation tracking System.	Q4	
3.	Develop/implement program-level performance metrics	Q4	
4.	Develop/implement system-level performance metrics	Q4	
5.	Establish computer security training requirements and tracking System	Q4	
6.	Conduct GISRA annual assessment & report results to OMB	Q4	
7.	Prepare GISRA quarterly progress reports	Q1, Q2, Q3	Q1,Q2

**NOTE: Milestones 1-5 above have been accelerated in the schedule and will be completed in Q3.

AD.2.A.2 Major Applications and General Support Systems Security	<u>Planned</u>	<u>Actual</u>
1. Insider threat study	Q3	
2. A-130 requirements for RPS	Q2	Q2
3. A-130 requirements for AMS	Q2	Q2
4. A-130 requirements for OLTS	Q2	Q2
5. A-130 requirements for GLTS	Q4	
6. A-130 requirements for TAPNM	Q4	
7. A-130 requirements for ADAMS	Q4	
8. A-130 requirements for License Fees	Q4	
9. A-130 requirements for IE Events (PIE)	Q4	
10 A-130 requirements for LTS	Q4	
11. A-130 requirements for TAPIS	Q4	

AD.2.A.3 Provide/Coordinate Computer Security Training for the agency	Planned	Actual
1. Revise computer-based security awareness training	Q2	see status
2. Develop Information System Security Officer Management computer-training	Q2	see status
3. Host Computer Security Awareness Day	Q1	Q1

AD.2.B Milestones that impact other offices:

AD.2.A.1   NRR, NMSS, ADM, OHR, OCFO
AD.2.A.2   NRR, NMSS, OCFO
AD.2.A.3   None

AD.2.C Output Measures: None

AD.2.D Status:

AD.2.A.3.1   Moved to Q3 due to reprogramming of funds for higher priority activity.
AD.2.A.3.2   Moved to Q3 due to funds used for higher priority.

AD.3   Planned Accomplishment: Planning and Architectures

Description: This work encompasses information technology planning and assessment activities needed to plan the evolution of NRC's IT environment, as well as activities to implement the Clinger-Cohen Act of 1996, including IT architectures. The goal of the Technology Assessment Team (TAT) is to facilitate the introduction and leveraging of new technology by agency business units to effectively and efficiently accomplish agency business needs. The primary objective is to optimize agency use of technology to meet the business needs by 1) capitalizing on advances in technology to streamline internal and external processes, 2) minimizing duplication of effort, 3) incorporating lessons learned and best practices from industry and other government agencies, and 4) reduce support costs. The team plays a key role in the planning of the IT environment and is responsible for the Technology Plan and IT Architectures including the Technical Reference Model (TRM).

AD.3.A Milestones

AD.3.A.1 Conduct Technology Assessments and Pilots

	Planned	Actual
PDA Device	Q1	Q1
PDA Document Management Tools	Q1	Q1
PDA Synchronization Tools	Q1	Q1
Wireless LAN	Q2	Q2
Desktop Facsimile	Q2	see status
Handheld Inspections using PDAs	Q3	
Web Portal White Paper	Q3	

AD.3.A.2 Technology Plan

	Planned	Actual
Develop plan	Q3	

AD.3.A.3 Update the Technical Reference Model (TRM) to reflect changes in NRC IT standards.

	Planned	Actual
Complete draft	Q3	
Provide to offices for comment	Q3	
Update TRM	Q4	

AD.3.B   Milestones that impact other offices: All

AD.3.C   Output Measures:

AD.3.D   Status:

AD.3.A.1   Desktop Facsimile move to Q4 because of higher priorities.