

OMB300 - Part I - General Questions

Date of Submission	<u>9/8/2003</u>		
Agency	<u>Nuclear Regulatory Commission</u>		
Bureau Number	<u>00</u>	Name of Investment	<u>Cost Accounting S...</u>
Location In the Budget	<u>N/A</u>	Unique Investment Identifier	<u>429-00-01-01-01-2...</u>
Account Title	<u>Salaries and Expenses</u>	Initiation Date	<u>10/1/2001</u>
Account ID Code	<u>31-0200-0-1-276</u>	Planned Completion Date	<u>9/30/2002</u>
Program Activity	<u>Management and Sup...</u>	This Investment Is Investment/Useful Segment Is Funded	<u>Steady State</u> <u>Fully</u>

- Was this investment approved by OMB for previous Year Budget Cycle? yes no
- Did the Executive/Investment Review Committee approve funding for this investment this year? yes no
- Did the CFO review the cost goal? yes no
- Did the Procurement Executive review the acquisition strategy? yes no
- Did the Project Manager identified in Section 1.D review this exhibit? yes no
- Is this investment included in your agency's annual performance plan or multiple agency annual performance plans? yes no
- Does this investment support homeland security? yes no
- Is this project information technology? yes no
- a. Is this Project a Financial Management System? yes no

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions b1, b5
FOIA- 2004-167

A-2

Is so, does this project address a FFMIA compliance area? yes no

If yes, which compliance area? SFFAS No. 4 and SFFAS No. 10

b. Does this project implement electronic transactions or record keeping that is covered by the Government Paperwork Elimination Act (GPEA)? yes no

Does the project already provide an electronic option? yes no

c. If the investment administers information in identifiable form about members of the public, was a privacy impact assessment submitted via PIA@omb.eop.gov with a unique project (investment) identifier? yes no

d. Was this investment reviewed as part of the FY 2003 Federal Information Security Management Act review process? yes no

d.1 If yes, were any weaknesses found? yes no

e. Has this investment been identified as a national critical operation or asset by a Project Matrix review or other agency determination? yes no

e.1 If no, is this an agency mission critical or essential service, system, operation, or asset (such as those documented in the agency's COOP Plan), other than those identified as above as national critical infrastructures? yes no

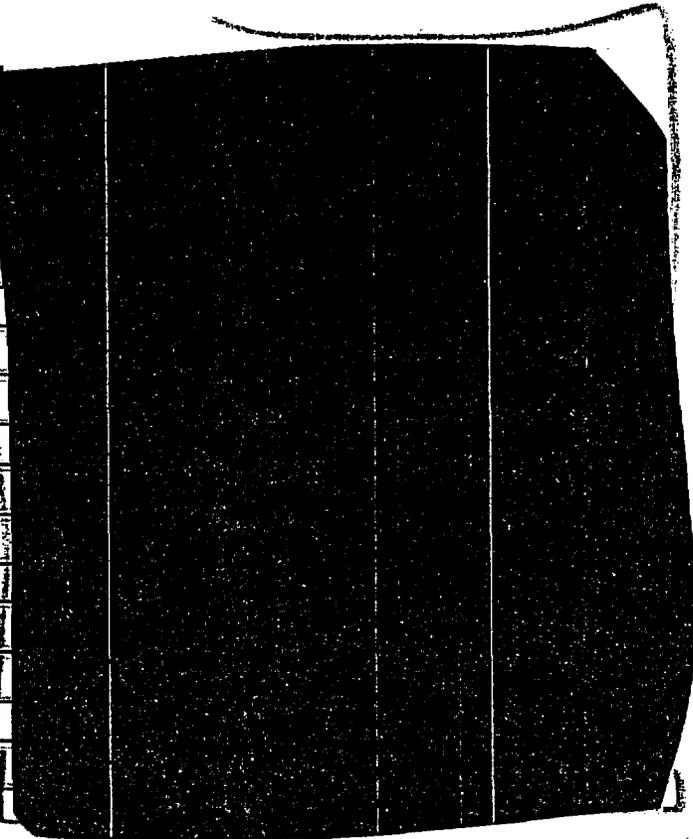
f. Was this investment included in a Performance Assessment Rating Tool (PART) Review? yes no

OMB300 - Part I - Summary of Spending for Project (Investment) Stages
(In Millions)

EXISTING 300	PY-1 and Earlier	PY 2003	CY 2004	BY 2005	BY+1 2006	BY+2 2007	BY+3 2008	BY+4 and Beyond	Total
Planning:									
Budgetary Resources	0.50	0	0	0					

5

Outlays	0.50	0	0	0
Acquisition:				
Budgetary Resources	1.50	0	0	0
Outlays	1.50	0	0	0
TOTAL, Sum of Stages:				
Budgetary Resources	2	0	0	0
Outlays	2	0	0	0
Maintenance:				
Budgetary Resources	0.1	0.77	0.56	0.55
Outlays	0.10	0.77	0.56	0.55
TOTAL, ALL Stages:				
Budgetary Resources	2.1	0.77	0.56	0.55
Outlays	2.1	0.77	0.56	0.55
Government FTE Costs:				
	0	0.12	0.12	0.13



5

OMB300 - Part I - I.A Project Description

1. Provide a brief description of this project and its status through your capital planning and investment control (CPIC) or capital programming "control" review for the current cycle.

This project was submitted in prior fiscal years as part of the Starfire Agency-wide Financial and Resource Management System and as part of the Human Resource Management System (HRMS). The Starfire Agency-wide system was downsized, and we are now focusing on individual components of the original project.

The chart below displays the components of the initial concept of Starfire, the components of of HRMS and the current split of the Cost Accounting system from HRMS.

Starfire (Initial Concept) Included:

- Human Resources
- Time and Labor
- Payroll

Cost Accounting
Travel Management
Core Accounting
Debt Management/Fee Billing
Budget Formulation
Procurement
Property

HRMS (Last Year) Included:

Human Resources
Time and Labor
Payroll
Cost Accounting
Travel Management

Current Status

HRMS - Human Resources
HRMS- Time and Labor
HRMS - Payroll
Cost Accounting (Separate System)

In prior fiscal years, the implementation of the cost accounting system was a key component to completing a remediation plan to implement Statement of Federal Financial Accounting Standards (SFFAS) No. 4, Managerial Cost Accounting Concepts and Standards for the Federal Government. The system was certified for operation during the fourth quarter of FY 2002. Two Capital Planning and Investment Control business cases were performed in the original planning for Starfire. They included a life-cycle cost analysis and a benefits/costs analysis. The initial analysis encompassed the core accounting system and its related financial/resource systems. This analysis was later supplemented with a review of the costs and benefits related to the essential basic human resources system component needed to support the achievement of HRMS and cost accounting's complete functional objectives (namely, labor cost distribution and cost accounting). In both instances, alternatives (including Status Quo) were identified and a cost benefit analysis was performed, resulting in NRC selecting not only the lowest cost alternatives, but also those which were expected to deliver the most benefit to the agency in a timely manner.

Status

Cost Accounting system steady state: The cost accounting system enables the NRC to

assign and allocate costs, trace allocation paths, and provide multidimensional analysis. The system provides managers with cost data to assist them in evaluating the performance of their programs, to capture full cost of software development projects, and to produce reports for use in the compilation of the agency quarterly financial statements.

The cost accounting system uses computer off-the-shelf (COTS) software products; Microsoft Access, Armstrong-Laing Metify Activity Based Management, and COGNOS Reporting.

2. What assumptions are made about this project and why?

The cost accounting system will continue to utilize the agency's existing hardware and software infrastructure and other new capabilities as they are made available, such as document and workflow processing.

The cost accounting system has been customized only to meet Federal regulations or specific requirements approved or requested by NRC senior management.

The cost accounting system interfaces with HRMS for labor hours and interfaces with the agency core accounting system for cost data.

At this time, the NRC will continue to maintain the existing COTS products of the cost accounting system by utilizing patches, fixes, and software updates as they are issued by the software vendors.

Cost Assumptions Include:

Cost estimates for BY+4 and beyond are \$0.7 million per year and run through FY 2011.

Beginning with this reporting, FTEs converted to dollars are included in the figures shown for FY 02 forward in the budgetary resources and outlays.

At a 6/28/02 meeting, OMB gave OCIO the following guidance for estimating resources: if a person spends 50% or more of their time on the IT project, round up to 1.0 FTE. The HRMS/Cost Accounting sponsor concluded that rounding to full FTEs would inflate the number of resources assigned to this project. Therefore, the FTE estimates for Cost Accounting reflect a summation of partial FTEs.

IT Security costs allocation included: FY03 - \$70K, FY04 - \$70K, FY05 - \$70K

Costs Estimated Represent estimated useful life to FY 2012.

3. Provide any other supporting information derived from research, interviews, and other documentation.

No other supporting documentation is required.

OMB300 - Part I - I.B Justification

1. How does this investment support your agency's mission and strategic goals and objectives?

The cost accounting system supports the agency mission and goals by making available timely human capital and cost information to NRC managers to help them evaluate NRC program performance. The cost accounting system also generates reports displaying the full cost of agency outputs that sum to responsibility segments for use in the compilation of the quarterly Statement of Net Cost financial statement which allows the agency to meet the accelerated financial reporting requirements mandated by OMB. Last, management plans to assess the potential for using the cost accounting system to provide data to measure and report to OMB and Congress the performance of agency programs and strategic goals in accordance with the Government Performance and Results Act (GPRA) of 1993.

Maintaining the cost accounting system ensures that we continue to support the agency's mission, strategic goals and objectives, and critical business processes in an efficient and effective manner that is consistent with the President's Management Agenda and government-wide initiatives.

NRC Mission: To regulate the Nation's civilian use of byproduct, source, and special nuclear materials to ensure adequate protection of the public health and safety, to promote the common defense and security, and to protect the environment.

GOAL

NRC Corporate Management Strategy 1: Employ innovative and sound business practices

STRATEGIES

We will strengthen collaborative processes for conducting business among support offices and between support and program offices.

We will find new and better ways of doing business to increase the effectiveness and efficiency of operations.

We will create and maintain a planning, budgeting, and performance management process that is focused on outcomes and provides an effective tool for setting goals, allocating resources, tracking progress, measuring results, and identifying areas for improvement.

SUPPORT

The cost accounting system produces reports to meet the cost accounting standards of SFFAS #4, internal use software capitalization requirements of SFFAS #10, and financial statement reporting requirements contained in OMB Bulletin 01-09.

GOAL

NRC Corporate Management Strategy 3: Provide proactive information management and information technology services.

STRATEGIES

We will work jointly with program and support offices to integrate information technology and business planning as a means of achieving agency goals and strategies.

We will make it easier for the staff to acquire, access, and use the information they need to perform their work.

We will improve the ability of the NRC and external entities to conduct our mutual business electronically.

SUPPORT

Our financial management systems will be maintained and updated on a regular basis so that we can continue to provide human resources, financial, managerial cost, and performance data in a timely and efficient manner.

We will seek to incorporate input from program and support partners, as we develop an agency plan to provide and sustain an accurate level of detailed cost data. The maintenance of the cost accounting system will assist the agency in continuing to meet its reporting and fiduciary responsibilities in an increasingly demanding and changing technological environment.

2. How does is support the strategic goals from the President's Management Agenda?

PMA GOAL - Financial Performance

SUPPORT - The cost accounting system provides financial performance information for agency programs and generates reports for the compilation of the quarterly financial statement.

PMA GOAL - E-Government

SUPPORT - The cost accounting system supports the President's initiative to "automate internal processes to reduce costs internally" by making the production of cost accounting information more efficient through the use of technology. This information is used to help managers make informed decisions, and as an input to the preparation of the Statement of Net Cost.

PMA GOAL - Budget and Performance Integration

SUPPORT - The cost accounting system provides support to NRC managers and staff managing agency programs consistent with the NRC Strategic and Performance Plans. Cost accounting information supports the agency's corporate management strategy (Performance Plan) to employ innovative and sound business practices by strengthening "our financial systems and processes to ensure that our financial assets are adequately protected consistent with risk and that our financial information is better integrated with decision-making." This strategy underlies the performance goals to make the NRC activities and decisions more efficient and effective, and to increase public confidence.

3. Are there any alternative sources in the public or private sectors that could perform this function?

5. Who are the customers for this project?

The customers are NRC employees and managers.

6. Who are the stakeholders of this project?

The stakeholders of the cost accounting system are listed below and have been defined by their input or receipt of information.

Internally of NRC

Employees

Managers

Office of Chief Financial Officer, including Time & Labor reporting, accounting, budget, and fee billing functions

Office of Chief Information Officer

Externally

Office of Management and Budget (CFO Financial Statements)

U.S. Congress (CFO Financial Statements)

U.S. Department of Treasury (CFO Financial Statements)

Other Readers of the CFO Financial Statements

7. If this is a multi-agency initiative, identify the agencies and organizations affected by this initiative.

This is not a multi-agency initiative.

7.a If this is a multi-agency initiative, discuss the partnering strategies you are implementing with the participating agencies and organizations.

This is not a multi-agency initiative.

8. How will investment reduce costs or improve efficiencies?

The purpose of the system is to provide timely and relevant cost information to decision makers so that they can make more informed financial decisions. The system makes preparation of cost accounting reports more efficient through automation, and provides significant timeliness improvements over labor-intensive manual processes.

Cost accounting steady state:

Prior to the current cost accounting system, cost analysis involved considerable effort in extracting information from various sources and there was no consistency in how such analysis was done. During the acquisition and development of the cost accounting system, the NRC followed a best-practices approach utilizing COTS software with minimal customization. The result is a cost accounting system that relies on a single point of entry for capturing data and managers are now provided with consistent and reliable cost data on a periodic basis.

Efficiencies were realized as a significant level of manual effort was eliminated by the

implementation of an automated tool to gather and manipulate large volumes of data. The NRC anticipates additional cost savings as managers realize the potential for using cost data to evaluate and improve program performance.

9. List all other assets that interface with this asset.

CAS interfaces with the Human Resources Management System and the core financial accounting system.

9.a Have these assets been reengineered as part of this project? yes no

OMB300 - Part I - I.C Performance Goals and Measures (All Assets)

Agencies must use Table 1 below for reporting performance goals and measures for existing investments that were initiated prior to FY 2005. The table can be extended to include measures for years beyond FY 2004.

Table 1 (projects through 2004)

Fiscal Year

2003

Strategic Goal(s) Supported

NRC Corporate Management Strategy 1: Employ innovative and sound business practices

Existing Baseline

100% current with updates and in compliance with federal regulations and policies on payroll and time and labor reporting.

Planned Performance Improvement Goal

Maintain current updates to ensure compliance with federal regulations and policies.

Actual Performance Improvement Results

Current with updates and In compliance with federal regulations and policies.

Planned Performance Metric

100% current with updates and in compliance with federal regulations and policies on payroll and time and labor reporting.

Actual Performance Metric Results

100% current with updates and in compliance with federal regulations and policies on payroll and time and labor reporting.

Fiscal Year

2004

Strategic Goal(s) Supported

NRC Corporate Management Strategy 1: Employ innovative and sound business practices

Existing Baseline

100% current with updates and in compliance with federal regulations and policies on payroll and time and labor reporting.

Planned Performance Improvement Goal

Maintain current updates to ensure compliance with federal regulations and policies.

Actual Performance Improvement Results

To be determined in FY2004

Planned Performance Metric

100% current with updates and in compliance with federal regulations and policies on payroll

and time and labor reporting.

Actual Performance Metric Results

To be determined in FY 2004

Fiscal Year

2005

Strategic Goal(s) Supported

NRC Corporate Management Strategy 1: Employ innovative and sound business practices

Existing Baseline

100% current with updates and in compliance with federal regulations and policies on payroll and time and labor reporting.

Planned Performance Improvement Goal

Maintain current updates to ensure compliance with federal regulations and policies.

Actual Performance Improvement Results

To be determined in FY2005

Planned Performance Metric

100% current with updates and in compliance with federal regulations and policies on payroll and time and labor reporting.

Actual Performance Metric Results

To be determined in FY 2005

Fiscal Year

2003

Strategic Goal(s) Supported

NRC Corporate Management Strategy 1: Employ Innovative and sound business practices

Existing Baseline

Published the FY 2001 financial statement and received an unqualified opinion.

Planned Performance Improvement Goal

Maintain quality of input for the agency's annual financial statement.

Actual Performance Improvement Results

Published the FY 2002 statement and received an unqualified opinion.

Planned Performance Metric

Maintain status of unqualified opinion for FY statements.

Actual Performance Metric Results

Published the FY 2002 statement and received an unqualified opinion.

Fiscal Year

2004

Strategic Goal(s) Supported

NRC Corporate Management Strategy 1: Employ innovative and sound business practices

Existing Baseline

Published the FY 2001 financial statement and received an unqualified opinion.

Planned Performance Improvement Goal

Maintain quality of input for the agency's annual financial statement.

Actual Performance Improvement Results

To be determined after FY 2003 audit.

Planned Performance Metric

Maintain status of unqualified opinion for FY statements.

Actual Performance Metric Results

To be determined after FY 2003 audit.

Fiscal Year

2005

Strategic Goal(s) Supported

NRC Corporate Management Strategy 1: Employ innovative and sound business practices

Existing Baseline

Published the FY 2001 financial statement and received an unqualified opinion.

Planned Performance Improvement Goal

Maintain quality of input for the agency's annual financial statement.

Actual Performance Improvement Results

To be determined after FY 2004 audit.

Planned Performance Metric

Maintain status of unqualified opinion for FY statements.

Actual Performance Metric Results

To be determined after FY 2004 audit.

Fiscal Year

2004

Strategic Goal(s) Supported

NRC Corporate Management Strategy 3: Provide proactive information management and information technology services.

Existing Baseline

(New goal- customer satisfaction baseline to be established in FY04)

Planned Performance Improvement Goal

Improve user/customer satisfaction for cost accounting.

Actual Performance Improvement Results

Will be realized next year.

Planned Performance Metric

Improve usability by eliminating deficiencies cited in past information systems surveys.
Level of satisfaction to be measured with customer survey.

Actual Performance Metric Results

Will be realized next year.

Fiscal Year

2005

Strategic Goal(s) Supported

NRC Corporate Management Strategy 3: Provide proactive information management and information technology services.

Existing Baseline

(New goal- customer satisfaction baseline to be established in FY04)

Planned Performance Improvement Goal

Improve user/customer satisfaction for cost accounting.

Actual Performance Improvement Results

To be measured in FY05

Planned Performance Metric

Improve usability by eliminating deficiencies cited in past Information systems surveys.
Level of satisfaction to be measured with customer survey.

Actual Performance Metric Results

To be measured in FY05

Fiscal Year

2004

Strategic Goal(s) Supported

NRC Corporate Management Strategy 3: Provide proactive information management and information technology services.

Existing Baseline

Quarterly cost accounting reports are being distributed to NRC managers.

Planned Performance Improvement Goal

Improve access by agency program managers to current financial and performance information.

Actual Performance Improvement Results

Will be realized next year.

Planned Performance Metric

Number of program managers able to obtain financial and performance data and utilizing it for day-to-day decision-making.

Actual Performance Metric Results

Will be realized next year.

Fiscal Year

2005

Strategic Goal(s) Supported

NRC Corporate Management Strategy 3: Provide proactive information management and information technology services.

Existing Baseline

Quarterly cost accounting reports are being distributed to NRC managers.

Planned Performance Improvement Goal

Improve access by agency program managers to current financial and performance information.

Actual Performance Improvement Results

To be measured in FY05

Planned Performance Metric

Number of program managers able to obtain financial and performance data and utilizing it for day-to-day decision-making.

Actual Performance Metric Results

To be measured in FY05

All new IT investments that are development, modernization, or enhancement (DME) for 2005 and beyond must use Table 2 and are required to use the FEA Performance Reference Model. The PRM Version 1.0, available at www.feapmo.gov, includes detailed guidance about how to incorporate PRM Indicators into the performance goals and measures table below. Please use the Table 2 and the PRM to identify the performance information that pertains to the major IT Investment. Ensure there is a complete tie-in to the strategic goals and objectives described in section I.B.1.

Table 2 (2005 and beyond)

OMB300 - Part I - I.D Project Management

1. Is there a project manager assigned to the project? yes no

If so what is the project manager's name:

Gordon S. Peterson

1.a Identify the members, roles, qualifications, and contact information of the in-house and contract project managers for this project:

The program manager is Gordon Peterson, Cost Analysis Team Leader, Office of the Chief Financial Officer, (301) 415 - 7348.

Mr. Peterson's experience and qualifications include extended financial management and systems implementation experience. He also has assisted in writing Federal Accounting Standards as a staff member with the Federal Accounting Standards Advisory Board.

2. Is there a contracting officer assigned to the project? yes no

If so what is the contracting officer's name:

George M. Mathews III, Technical Manager and Contracting Off...

3. Is there an integrated project team? yes no

3.a If so, list the skill set represented.

This project team includes:

5

OMB300 - Part II - II.A Enterprise Architecture

II.A.1 Business

A. Is this investment identified in your agency's enterprise architecture? If not, why?

Yes, the cost accounting system has been identified in the NRC approved enterprise architecture (EA).

A.1 Will this investment be consistent with your agency's "to be" modernization blueprint?

The Cost Accounting System falls within the scope of the NRC baseline and target architectures and is consistent with the NRC "to be" modernization blueprint as defined in current NRC EA technology planning documents. NRC's current EA technology planning documents and core technology needs are in the process of being updated to align with the FEA and expanded through an evolving organizational EA governance process to ensure that all current and future technology needs are vetted by NRC business managers to validate links to NRC business drivers and business performance.

Since its inception, compliance with the EA in its various iterations has been given priority

consideration and has helped drive the technical requirements of cost accounting. The NRC Technical Reference Model (TRM) was provided to potential software vendors during the initial software solicitation phase of the project. Products not adhering to the TRM were appropriately noted and costed-out during the review of software proposals. Technical interface requirements are documented to detail information on data that is passed to the cost accounting system, identify data edit requirements for completing the interfaces and provide information for error reports. Other technical aspects, such as certifying Year-2000 compliance and having the ability to run under the NRC existing and future operating systems were also carefully considered in the evaluation of proposals and products. "Portability" of data and information to other COTS applications throughout the NRC desktop computing environment was included in the evaluation and this has been demonstrated with the modules we are currently implementing. This will help further ensure that unique office-specific data manipulation and reporting needs can be met with minimal software modification, thus enabling the cost accounting system to achieve an important deployment goal: minimize customization.

The cost accounting software is composed of COTS products. The cost accounting system is interfaced with the NRC existing core accounting system (FFS) and existing time and labor system (HRMS). The system is designed to fit within the agency's client-server and LAN infrastructure and is accessible via agency-standard microcomputer.

B. Was this investment approved through the EA Review committee at your agency? yes no

C. What are the major process simplification/reengineering/design projects that are required as part of this IT investment?

Cost Accounting increases the automation and access of data, improves operating efficiency, and provides the agility and flexibility to adjust to and meet future business conditions and demands. Cost accounting meets many of the elements of Federal mandates and business drivers, including: the Government Paperwork Elimination Act; the Government Information Security Reform Act; the Clinger-Cohen Act; the Government Performance and Results Act; the Privacy Act; and the E-government Act of 2002.

D. What are the major organization restructuring, training, and change management projects that are required?

As part of the implementation process, employees/users were trained in operating the Armstrong-Laing Metify cost accounting and COGNOS reporting software packages. New employees/users of the cost accounting system are subsequently trained to use the software.

E. Please list all the Lines of Business and Sub-Functions from the FEA Business Reference Model that this IT investment supports.

Line of Business	Sub-Function
Financial Management	Reporting and Information

Accounting
Budget and Finance
Asset and Liability Management

II.A.2 Data

A. What types of data will be used in this Investment? Examples of data types are health data, geospatial data, natural resource data, etc.

The cost accounting system uses the following types of data:

Contract costs
 Labor costs
 Labor hours
 Agency reporting structure data

B. Does the data needed for this Investment already exist at the Federal, State, or Local level? If so, what are you plans to gain access to that data?

No. The data in the cost accounting system is generated from the NRC source systems as part of ongoing operations.

C. Are there legal reasons why this data cannot be transferred? If so, what are they and did you address them in the barriers and risk sections above?

No. The data in the cost accounting system is generated from the NRC source systems as part of ongoing operations.

D. If this initiative processes spatial data, identify planned investments for spatial data and demonstrate how the agency ensures compliance with the Federal Geographic Data Committee standards required by OMB Circular A-16.

No spatial data is maintained.

E. If this activity involves the acquisition, handling or storage of information that will be disseminated to the public or used to support information that will be disseminated to the public, explain how it will comply with your agency's Information Quality guidelines (Section 515 requirements)?

No data is disseminated to the public.

F. Managing business information means maintaining its authenticity, reliability, integrity, and usability and providing for its appropriate disposition. Address how the system will manage the business information (records) that it will contain throughout the information life cycle.

System records are maintained in a protective environment accessible only by authorized NRC staff, or contractors, with proper access requirements. Additional protective measures are ensured with an applicable system security plan. The electronic records are maintained on-line throughout their entire life cycle, with system backups routinely created, in case of catastrophic loss. Cost data downloaded to the server (i.e., cost data and software copies) are stored off-site as is LAN cost files including the security plan.

II.A.3 Application, Components and Technology

A. Relation to Service Component Reference Model:

Cost Accounting supports the multidimensional analysis of NRC cost data.

Service Domain: Business Analytical Services
Service Type: Analysis and Statistics
Component Name: Select...
Is this a new component? no

A. Relation to Service Component Reference Model:

Cost Accounting supports SFFAS #4 cost accounting reports.

Service Domain: Back Office Services
Service Type: Financial Management
Component Name: Select...
Is this a new component? no

A. Relation to Service Component Reference Model:

Cost Accounting supports the management of NRC costs.

Service Domain: Back Office Services
Service Type: Financial Management
Component Name: Select...
Is this a new component? no

A. Relation to Service Component Reference Model:

Cost Accounting supports NRC management decisions on internal allocation of earned net credit or capital.

Service Domain: Back Office Services
Service Type: Financial Management
Component Name: Select...
Is this a new component? no

A. Relation to Service Component Reference Model:

Cost Accounting supports making available labor cost information necessary for sound workforce and budget-performance planning.

Service Domain: Back Office Services
Service Type: Financial Management
Component Name: Select...
Is this a new component? no

A. Relation to Service Component Reference Model:

Cost Accounting data supports creation of the NRC financial statement.

Service Domain: Back Office Services
Service Type: Financial Management
Component Name: Financial Reporting
Is this a new component? no

B. Technology included in the agency Technical Reference Model:

Yes, the cost accounting system complies with the EA Technical Reference Model that is now undergoing revision. All hardware, applications, and infrastructure already identified for use by the cost accounting system are supported in the Technical Reference Model and are expected to be included in the NRC migration plan. The OCFO is working closely with the OCIO EA team to ensure that the OCFO cost accounting team receives the benefits available through use of the evolving FEA and that technology changes made in the EA are included in the cost accounting system planning activities.

All of the hardware, applications, components, and web technology requirements for this investment are included in the NRC EA Technical Reference Model (TRM). Since its inception, compliance with the NRC EA in its various iterations has been given priority consideration and has helped drive the technical requirements of the cost accounting system. The NRC EA provides a mechanism for locating systems at the initial concept and planning stages within the NRC that will fulfill similar service functions. For this 300, we have also had the benefit of a Federal Enterprise Architecture Management System (FEAMS) search to assist in identification of other Federal agencies that submitted projects having a similar service function. We are actively seeking opportunities to collaborate in this area through leveraging existing Federal applications or architectural components insofar as possible. Utilization of FEAMS information is being added to existing NRC EA procedures and approval processes. The NRC Technical Reference Model (TRM) was utilized in identifying potential software vendors during the initial software solicitation phase of the project to ensure hardware and applications compatibility. The cost accounting project team has continued to work closely with the OCIO EA staff to ensure that appropriate standards and technologies are utilized by the cost accounting system. The cost

accounting system includes Sybase SQL Server, is compatible with the NRC NT 4.x Desktop operating system, and employs Armstrong-Laing Metify specialized cost management software. The cost accounting system is in full compliance with the current application and technology layers of the EA and insofar as EA migration planning has been addressed, should remain in compliance with any migration plan that is developed. As the FEA evolves and becomes integrated with the NRC EA and EA processes, we will strive to fully leverage the additional information available to us through the FEA.

C. Relation to the Technical Reference Model:

Service Category: Service Transport
Service Standard: Service Transport
Service Specification: Select...
Is this a new specification? no

C. Relation to the Technical Reference Model:

Service Category: Service Requirements
Service Standard: Hosting
Service Specification: Select...
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for technical reference model relation]

Service Category: Service Requirements
Service Standard: Service Transport
Service Specification: Select...
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for technical reference model relation]

Service Category: Hardware / Infrastructure
Service Standard: Select...
Service Specification: Ethernet
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for technical reference model relation]

Service Category: Hardware / Infrastructure
Service Standard: Servers / Computers
Service Specification: Enterprise Server
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for relation to the Technical Reference Model]

Service Category: Hardware / Infrastructure
Service Standard: Test Management
Service Specification: Functional Testing
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for relation to the Technical Reference Model]

Service Category: Hardware / Infrastructure
Service Standard: Software Configuration Management
Service Specification: Version Management
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for relation to the Technical Reference Model]

Service Category: Hardware / Infrastructure

Service Standard: Test Management
Service Specification: Performance Profiling
Is this a new specification? no

C. Relation to the Technical Reference Model:

Service Category: Hardware / Infrastructure
Service Standard: Test Management
Service Specification: Installation Testing
Is this a new specification? no

C. Relation to the Technical Reference Model:

Service Category: Hardware / Infrastructure
Service Standard: Test Management
Service Specification: Reliability Testing
Is this a new specification? no

C. Relation to the Technical Reference Model:

Service Category: Hardware / Infrastructure
Service Standard: Test Management
Service Specification: Configuration Testing
Is this a new specification? no

C. Relation to the Technical Reference Model:

Service Category: Hardware / Infrastructure
Service Standard: Test Management
Service Specification: Select...
Is this a new specification? no

C. Relation to the Technical Reference Model:

Service Category: Hardware / Infrastructure
Service Standard: Software Configuration Management
Service Specification: Defect Tracking
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for technical reference model relation]

Service Category: Hardware / Infrastructure
Service Standard: Software Configuration Management
Service Specification: Task Management
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for technical reference model relation]

Service Category: Hardware / Infrastructure
Service Standard: Software Configuration Management
Service Specification: Change Management
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for technical reference model relation]

Service Category: Hardware / Infrastructure

Service Standard: Peripherals
Service Specification: Printer
Is this a new specification? no

C. Relation to the Technical Reference Model:

Service Category: Hardware / Infrastructure
Service Standard: Embedded Technology Devices
Service Specification: Select...
Is this a new specification? no

C. Relation to the Technical Reference Model:

Service Category: Access Channels
Service Standard: Extranet
Service Specification: Select...
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for technical reference model relation]

Service Category: Hardware / Infrastructure
Service Standard: Network Devices / Standards
Service Specification: Hub
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for technical reference model relation]

Service Category: Hardware / Infrastructure
Service Standard: Network Devices / Standards
Service Specification: Switch
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for technical reference model relation]

Service Category: Hardware / Infrastructure
Service Standard: Network Devices / Standards
Service Specification: Router
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty text box]

Service Category: Hardware / Infrastructure
Service Standard: Network Devices / Standards
Service Specification: Select...
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty text box]

Service Category: Hardware / Infrastructure
Service Standard: Network Devices / Standards
Service Specification: Transceivers
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty text box]

Service Category: Hardware / Infrastructure

Service Standard: Network Devices / Standards
Service Specification: T1/T3
Is this a new specification? no

C. Relation to the Technical Reference Model:

Service Category: Hardware / Infrastructure
Service Standard: Network Devices / Standards
Service Specification: Firewall
Is this a new specification? no

C. Relation to the Technical Reference Model:

Service Category: Database / Storage
Service Standard: Database
Service Specification: Sybase
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for technical reference model relation]

Service Category: Business Logic
Service Standard: Platform Dependent
Service Specification: Visual Basic
Is this a new specification? no

C. Relation to the Technical Reference Model:

[Empty box for technical reference model relation]

Service Category: Hardware / Infrastructure
Service Standard: Peripherals
Service Specification: Printer
Is this a new specification? no

**D. Will the application leverage existing components and/or applications across the Government?
If so, please describe.**

The Cost Accounting System does not leverage existing components and/or applications across the Government. However, the Cost Accounting System Interfaces with the NRC existing core accounting system, Federal Financial System (FFS) serviced by the Department of the Interior's National Business Center and widely used across the Government.

E. Financial Management Systems and Projects, as indicated in Part One, must be mapped to the agency's financial management system inventory provided annually to OMB. Please identify the system name(s) and system acronym(s) as reported in the most recent systems inventory update required by Circular A-11 Section 52.4.

C. Have the management, operational, and technical security controls been tested for effectiveness? When were most recent tests performed?

Testing of security controls were completed as part of the certification testing conducted during 2002, completed in November 2002.

D. Have all system users been appropriately trained in the past year, including rules of behavior and consequences for violating the rules?

Yes. The NRC conducts annual system security training, available to all users. Additionally, this is addressed in the Security Plan.

E. How has incident handling capability been incorporated into the system or project, including intrusion detection monitoring and audit log reviews? Are incidents reported to DHS' FedCIRC?

The NRC has recently implemented information systems security incident response procedures. These are part of the underlying security services provided by the NRC LAN general support system. The incident response procedures have been reviewed and approved by GSA's FedCIRC, and the NRC is reporting incidents to the GSA FedCIRC.

F. Is the system operated by contractors either on-site or at a contractor facility? If yes, does any such contract include specific security requirements required by law and policy? How are contractor security procedures monitored, verified, and validated by the agency?

The Computer Security Act of 1987 requires every U.S. government IT system that processes sensitive information to have a System Security Plan (SSP) for the system's management and usage. It also requires all government employees, contractors, and others who directly affect federal programs undergo periodic training in computer security. All users of government IT systems must also receive computer security and awareness training corresponding to the sensitivity of the data to which they have access and responsibilities of the users.

OMB Circular A-130, Appendix III reinforces the Computer Security Act, which requires Federal agencies to provide for the mandatory periodic training in computer security.

The training contains, at a minimum, the following:

Privacy act information protection: storage and disposal of sensitive information;

General good business security practices;

Reporting security incidents;

Threats and vulnerabilities overview;

Computer viruses;

Password management;

Internet usage;

Software use: copyrights, downloading from the Internet, etc; and

Personnel security: challenging strangers and escorting un-cleared personnel.

Contractor employees will be required to receive the same level of security awareness and training as federal employees. This training requirement will be included as appropriate in all contracts.

The cost accounting system is a major application installed at NRC headquarters. For the majority of security requirements, it relies on the security provided by the underlying NRC LAN general support system.

II.B.3 How does the agency ensure the effective use of security controls and authentication tools to protect privacy for those systems that promote or permit public access?

There is no public access to the cost accounting system. Access controls are addressed through the overall NRC LAN/WAN GSS security infrastructure and on the cost accounting application.

II.B.4 How does the agency ensure that the handling of personal information is consistent with relevant government-wide and agency policies?

The cost accounting system complies with The Privacy Act of 1974. The Privacy Act requires each agency maintaining a system of records to "establish appropriate administrative, operational, technical, and physical safeguards to insure the security and confidentiality of personal information and to protect against any anticipated threats or hazards to their security or integrity which could result in substantial harm, embarrassment, inconvenience, or unfairness to any individual on whom information is maintained."

This issue of handling personal information is addressed in the security controls that are designed in the cost accounting application and the security services provided by the NRC LAN general support system. The security controls to ensure the system properly handles personal information was verified during system security certification testing

II.B.5 If a Privacy Impact Assessment was conducted, please provide a copy to OMB at PIA@omb.eop.gov.

yes

OMB300 - Part II - II.C Government Paperwork Elimination Act (GPEA)

II.C.1 If this investment supports electronic transactions or record-keeping that is covered by GPEA, briefly describe the transaction or record-keeping functions and how this investment relates to your agency's GPEA plan.

The CAS does not support electronic transactions or record keeping covered by GPEA.

[Empty rectangular box]

II.C.2 What is the date of electronic conversion from your GPEA plan?

[Empty rectangular box]

II.C.3 Identify any OMB Paperwork Reduction Act (PRA) control numbers from information collections that are tied to this investment.

The CAS does not support electronic transactions or record keeping covered by GPEA.

The OMB Financial Systems Inventory system name and system acronym for the Cost Accounting System are system name, "Managerial Cost Accounting," and system acronym, "MCA." The application name is "Cost Accounting," and the application reference is "MCA."

OMB300 - Part II - II.B Security and Privacy

II.B.1 How is security provided and funded for this project?

Security is provided and funded for cost accounting by the OCIO through the general support system/network. The OCIO provides funding and support for the security services provided by the underlying LAN general support system (GSS) upon which cost accounting is relying. Additional user access controls have been placed on the cost accounting application to restrict access.

A. What is the total dollar amount allocated to IT security for this investment in FY 2005?

II.B.2 Please describe how the investment (system/application) meets the following security requirements of the Federal Information Security Management Act, OMB policy, and NIST guidelines:

A. Does the investment (system/application) have an up-to-date security plan that meets the requirements of OMB policy and NIST guidelines? What is the date of the plan?

Yes. The Security Plan is up to date and is compliant with OMB and NIST guidance. An original plan was developed in September 2002 and revised in November 2002. An in-depth security methodology has been developed. It includes the following: risk assessment, system security plan, disaster recovery (contingency) plan, and certification and accreditation of the cost accounting system. All security controls are consistent with NRC architecture, will manage risk and protect privacy and confidentiality. The System Security Plan, along with the Security Test and Evaluation, documents the security features of the system. Any variances are explained in these documents and in the Certification and Accreditation Document.

B. Has the investment been certified and accredited (C&A)? Additionally, specify the C&A methodology used and the date of the last review.

Interim certification and accreditation was granted on September 27, 2002. Final certification and accreditation activities were completed in November 2002. NIST approved methodology and processes were utilized.