Exhibit 300 (BY2009)

PART ONE

OVERVIEW

1. Date of Submission:	2007-12-28
2. Agency:	429
3. Bureau:	00
4. Name of this Capital Asset:	Infrastructure Services and Support
5. Unique Project Identifier:	429-00-02-00-01-1012-00

6. What kind of investment will this be in FY2009?

Operations and Maintenance

7. What was the first budget year this investment was submitted to OMB?

FY2004

8. Provide a brief summary and justification for this investment, including a brief description of how this closes in part or in whole an identified agency performance gap.

The Infrastructure Services and Support (ISS) Program supports the NRC mission by identifying, integrating, and supporting Information Technology (IT) systems. The ISS Program is integrated into every aspect of NRC operations by providing access to the information that the NRC staff need to complete the agency's mission at NRC Headquarters, four regional offices, the Technical Training Center, High Level Waste Hearing Facility, and 72 remote offices. The ISS Program is comprised of the following General Support Systems: 1. LAN/WAN 2. Novell Infrastructure Services 3. Windows Infrastructure Services 4. Managed Desktops and Laptops 5. E-mail 6. Remote Access Systems (RAS) 7. Data Center Services 8. Intrusion Detection System and Security 9. Telecommunications 10. Managed Public Key Infrastructure 11. Electronic Information Exchange Without this investment, NRC staff would not have the tools necessary to perform many of their duties such as: telephone communications, e-mail, video teleconferencing, access to the agency's electronic records, and utilization of a computing device. Gaps Addressed: The Presidential Management Agenda element of Expanded e-Government to meet increasing requirements to conduct business electronically for all stakeholders was a critical challenge to the NRC IT infrastructure. This ISS Program supports electronic information exchange to meet legislative mandates and customer requirements. The Infrastructure Services Investment directly supports: - Government Paperwork Elimination Act (GPEA) - Internet Protocol Version 6 (IPv6) - Homeland Security Presidential Directive 12 (HSPD-12) - Federal Information Security Management Act (FISMA) - The e-Authentication Initiative (e-Gov) - Clinger-Cohen Act - Government Performance and Results Act (GPRA) Accomplishments: - Completed on schedule all activities related to IPv6. - In accordance with the Energy Act of 2003, the IT infrastructure has expanded to accommodate NRC workforce growth of approximately 25%. - Expanded support for telecommuting program with a five-fold increase in remote access capacity and capability.

9. Did the Agency's Executive/Investment Committee approve this request?

yes

9.a. If "yes," what was the date of this approval?

2007-08-29

10. Did the Project Manager review this Exhibit?

yes

11. Project Manager Name:

Young (RPS), Gary

Project Manager Phone:

301-415-7458

Project Manager Email:

TWR@NRC.GOV

11.a. What is the current FAC-P/PM certification level of the project/program manager?

TBD

12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project.

yes

12.a. Will this investment include electronic assets (including computers)?

yes

12.b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)

no

13. Does this investment directly support one of the PMA initiatives?

yes

If yes, select the initiatives that apply:

Expanded E-Government

13.a. Briefly and specifically describe for each selected how this asset directly supports the identified initiative(s)? (e.g. If E-Gov is selected, is it an approved shared service provider or the managing partner?)

This investment supports electronic information exchange which makes it easier and more efficient for citizens and stakeholders to communicate with the NRC. The digital certificates provided under the Managed Public Key Infrastructure are provided by VeriSign. VeriSign is an approved shared service provider.

14. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)?

no

15. Is this investment for information technology?

yes

16. What is the level of the IT Project (per CIO Council's PM Guidance)?

Level 1

17. What project management qualifications does the Project Manager have? (per CIO Council's PM Guidance)

(1) Project manager has been validated as qualified for this investment

18. Is this investment identified as high risk on the Q4 - FY 2007 agency high risk report (per OMB memorandum M-05-23)?

yes

19. Is this a financial management system?

no

19.a. If yes, does this investment address a FFMIA compliance area?

no

19.a.1. If yes, which compliance area:

This is not a financial management system.

19.a.2. If no, what does it address?

This is not a financial management system.

19.b. If yes, please identify the system name(s) and system acronym(s) as reported in the most recent financial systems inventory update required by Circular A11 section 52.

This is not a financial management system.

20. What is the percentage breakout for the total FY2008 funding request for the following? (This should total 100%)

Hardware	17
Software	18
Services	56
Other	9

21. If this project produces information dissemination products for the public, are these products published to the Internet in conformance with OMB Memorandum 05-04 and included in your agency inventory, schedules and priorities?

no

22. Contact information of individual responsible for privacy related questions.

Name

Sandra S. Northern

Phone Number

301-415-6879
Title
Privacy Officer
Email
SSN@NRC.GOV
23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval?
yes
24. Does this investment directly support one of the GAO High Risk Areas?
no

SUMMARY OF SPEND

1. Provide the total estimated life-cycle cost for this investment by completing the following table. All amounts represent budget authority in millions, and are rounded to three decimal places. Federal personnel costs should be included only in the row designated Government FTE Cost, and should be excluded from the amounts shown for Planning, Full Acquisition, and Operation/Maintenance. The total estimated annual cost of the investment is the sum of costs for Planning, Full Acquisition, and Operation/Maintenance. For Federal buildings and facilities, life-cycle costs should include long term energy, environmental, decommissioning, and/or restoration costs. The costs associated with the entire life-cycle of the investment should be included in this report.

All amounts represent Budget Authority

(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)

	PY-1 & Earlier	PY	CY	BY	BY+1	BY+2	BY+3	BY+4 & Beyond
	-2006	2007	2008	2009	2010	2011	2012	2013+
Planning Budgetary Resources	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Acquisition Budgetary Resources	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Maintenance Budgetary Resources	111.592	47.421	46.941	65.693	68.976	72.425	76.042	79.847
Government FTE Cost	30.270	8.832	9.170	10.508	11.033	11.585	12.164	12.772
# of FTEs	239	64	66	71	74	78	82	86

Note: For the cross-agency investments, this table should include all funding (both managing partner and partner agencies).

Government FTE Costs should not be included as part of the TOTAL represented.

2. Will this project require the agency to hire additional FTE's?

yes

2.a. If "yes," how many and in what year?

12 additional FTE were required in FY2007; an additional 12.5 FTE are required in FY2008 and an additional five FTE are required in FY2009. The increase in FTE between FY2006 and FY2009 is required to address the increased infrastructure service requirements to accommodate rapid agency growth which complies with the Energy Act of 2003. In addition, FTE is required to address more stringent and expedited FISMA compliance efforts for the 11 general support systems included in this investment.

3. If the summary of spending has changed from the FY2008 President's budget request, briefly explain those changes.

Due to the Energy Act of 2003, an increase in New Nuclear Reactor license applications is expected beginning in FY 2008 and continuing over the next several years. In order to respond to the number of expected license applications, the NRC is rapidly increasing its staffing. The rapid increase in staffing also requires an increase in infrastructure services. The NRC Headquarters has expanded into two additional physical locations with the expectation to expand into another two buildings in the next 18 - 24 months. In addition, to enhance communication with agency licensees and stakeholders, the agency e-mail system will be converted from Novell GroupWise to MS Exchange/Outlook and the desktop computer standard software suite will be converted from Corel's WordPerfect Office to MS Office. Additional funding will expedite FISMA compliance efforts including Certification and Accreditation for the General Support Systems supporting the agency Infrastructure and will enhance operational security of these systems. This funding will also be used to provide FISMA compliance services to agency IT systems owners that rely on the infrastructure.

ACQ STRATEGY

1. Complete the table for all (including all non-Federal) contracts and/or task orders currently in place or planned for this investment. Total Value should include all option years for each contract. Contracts and/or task orders completed do not need to be included.

	Number	Type	Awarded?	Award date (planned or actual)	Start Date	End Date	Total Value ($M)
1	GS00T99NRD2002	CS: Cost Sharing	yes	1999-01-11	1999-10-01	2007-12-31	15.000
2	GS11K00BJD0005	CS: Cost Sharing	yes	2001-01-01	2001-01-01	2013-12-31	20.000
3	GS00T98ALD0017	LH: Labor Hour	yes	2001-09-28	2001-09-28	2010-09-30	175.000
4	NRC3303314	LH: Labor Hour	yes	2003-08-01	2003-08-01	2008-12-01	2.300
5	NRC3303342005	LH: Labor Hour	yes	2003-09-26	2003-09-26	2011-09-26	27.400
6	4735	LH: Labor Hour	yes	2005-01-01	2005-01-01	2009-12-31	9.800
7	NRC3303342005	LH: Labor Hour	yes	2006-01-01	2006-01-01	2011-09-25	1.400
8	NRC3306371	LH: Labor Hour	yes	2006-05-01	2006-05-01	2007-08-31	0.975
9	Contract Number TBD	LH: Labor Hour	yes	2007-08-30	2007-09-01	2010-09-01	9.100
10	Interagency Agreement	CS: Cost Sharing	no	2007-09-28	2007-10-01	2008-09-28	2.200
11	Contract Number TBD	CS: Cost Sharing	no	2007-12-30	2008-01-01	2017-04-01	30.000
12	Contract Number TBD	LH: Labor Hour	no	2010-09-28	2010-10-01	2013-09-30	203.250
13	Contract Number TBD	LH: Labor Hour	no	2009-12-30	2010-01-01	2013-09-30	60.000
14	Contract Number TBD	LH: Labor Hour	no	2008-06-30	2008-06-30	2009-09-30	7.000

	Number	Interagency Acquisition?	Performance based?	Competitively awarded?	Alternative Financing Option?	EVM in contract?	Include sec & priv clauses?
1	GS00T99NRD2002	yes	yes	yes	NA	yes	yes
2	GS11K00BJD0005	yes	no	yes	NA	yes	yes
3	GS00T98ALD0017	yes	yes	yes	NA	no	yes
4	NRC3303314	no	yes	yes	NA	yes	yes
5	NRC3303342005	no	yes	yes	NA	yes	yes
6	4735	yes	yes	yes	NA	yes	yes
7	NRC3303342005	no	yes	yes	NA	yes	yes
8	NRC3306371	no	no	no	NA	no	yes
9	Contract Number	no	no	yes	NA	yes	yes

	TBD						
10	Interagency Agreement	yes	no	no	NA	yes	yes
11	Contract Number TBD	yes	no	yes	NA	yes	yes
12	Contract Number TBD	no	yes	yes	NA	yes	yes
13	Contract Number TBD	no	yes	yes	NA	yes	yes
14	Contract Number TBD	no	yes	yes	NA	yes	yes

	Number	**CO Name**	**CO Contact**	**CO Certification Level**	**If N/A, CO Competent?**
1	GS00T99NRD2002	Stanley Wood	301-415-7211 SDW@nrc.gov	NA	yes
2	GS11K00BJD0005	George Lopez	301-415-7225 GWL@nrc.gov	NA	yes
3	GS00T98ALD0017	James Shields	301-415-7155 JASH@nrc.gov	NA	yes
4	NRC3303314	Stanley Wood	301-415-7211 SDW@nrc.gov	NA	yes
5	NRC3303342005	Tu Tran	301-415-7119 TTT@nrc.gov	NA	yes
6	4735	Judy Seeherman	301-415-5854 JXS@nrc.gov	NA	yes
7	NRC3303342005	Ray Crouse	301-415-7223 DFC@nrc.gov	NA	yes
8	NRC3306371	George Lopez	301-415-7225 GWL@nrc.gov	NA	yes
9	Contract Number TBD	George Lopez	301-415-7225 GWL@nrc.gov	NA	yes
10	Interagency Agreement	Timothy Harris	301-415-7211 TRH2@nrc.gov	NA	yes
11	Contract Number TBD	George Lopez	301-415-7225 GWL@nrc.gov	NA	yes
12	Contract Number TBD	TBD	TBD TBD	NA	
13	Contract Number TBD	TBD	TBD TBD	NA	
14	Contract Number TBD	TBD	TBD TBD	NA	

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

Earned Value Management (EVM) is a widely accepted best practice for projects to manage the progress of capital investments. The NRC uses validated contractor-owned earned value management systems (EVMS) which gather the data of each contractor's operations to be evaluated. The level of effort will vary based on factors such as the number of control accounts and the number of tasks/activities in the schedule, for each contractor. Therefore, an incremental cost algorithm based on equivalency factors will be used to evaluate contractor's progress and compare EVM data which will be placed into designated categories and assessed by significance in accomplishing NRC goals for ISS Programs. The NRC validates contractor-owned EVMS by first conducting an initial contractor ANSI/EIA STD-748 compliance assessment with the NRC Project Managers and other stakeholders using the NDIA PMSC, ANSI/EIA-748-A Standard for EVM Systems Intent Guide. The NRC will validate the correctness of the reported data by standardizing EVM reporting requirements for all currently operating EVMS contracts to facilitate improved timeliness, accuracy, and reliability of the data that contractors submit. Those systems in Operations/Steady State phase have had operational analyses conducted and are addressed in the Cost & Schedule section of this form. If and when EVM is reported outside of acceptable boundaries the NRC will maintain program manager flexibility to apply expandable techniques and schedules to improve EVM efforts. NRC will consider using EVM on cost /incentive contracts, subcontracts, and other agreements. EVMS requirements language has been added to all contracts and statements of work for new development and will be inserted to existing contracts at the time of modification, extension or exercise of option. Further, the NRC will also analyze the use of a standardized threshold for all contracts when considering the use of EVM in the future if the agency feels there is sufficient risk to warrant it. By establishing an EVM policy which focuses on dollar thresholds for contracts, revised cost performance reports, use of expanded applications of integrated master schedules and baseline reviews, the NRC will be able to manage and monitor contractor costs and schedule performances closely. This will also allow NRC to follow the percentage of time for system request changes and contractual modifications to be properly identified and rectified.

3. Do the contracts ensure Section 508 compliance?

yes
3.a. Explain why.
The standards that the NRC will verify for compliance apply to software and operating systems of ISS Programs, web-based applications in application support, telecommunication services, and desktop and portable computers from seat management. NRC is working to incorporate 508 compliance in each of the ISS Program components to be designed for equal accessibility by people with vision, hearing or motor skill disabilities.
4. Is there an acquisition plan which has been approved in accordance with agency requirements?
yes
4.a. If yes, what is the date?
2007-08-31
4.b.1. If no, briefly explain why:
There is an acquisition plan which was approved on 8/13/2007.

PERFORMANCE

In order to successfully address this area of the exhibit 300, performance goals must be provided for the agency and be linked to the annual performance plan. The investment must discuss the agency's mission and strategic goals, and performance measures (indicators) must be provided. These goals need to map to the gap in the agency's strategic goals and objectives this investment is designed to fill. They are the internal and external performance benefits this investment is expected to deliver to the agency (e.g., improve efficiency by 60 percent, increase citizen participation by 300 percent a year to achieve an overall citizen participation rate of 75 percent by FY 2xxx, etc.). The goals must be clearly measurable investment outcomes, and if applicable, investment outputs. They do not include the completion date of the module, milestones, or investment, or general goals, such as, significant, better, improved that do not have a quantitative measure.

Agencies must use the following table to report performance goals and measures for the major investment and use the Federal Enterprise Architecture (FEA) Performance Reference Model (PRM). Map all Measurement Indicators to the corresponding Measurement Area and Measurement Grouping identified in the PRM. There should be at least one Measurement Indicator for each of the four different Measurement Areas (for each fiscal year). The PRM is available at www.egov.gov. The table can be extended to include performance measures for years beyond FY 2009.

	Fiscal Year	Strategic Goal Supported	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
1	2007	Management	Technology	Accessibility	Percentage agencywide IT infrastructure services are available to the staff. Access to the IT infrastructure is essential for completion of the agency's mission. If the infrastructure is unavailable employees cannot access major agency systems.	99.6%	99.5%	99.67%
2	2008	Management	Technology	Accessibility	Percentage agencywide IT infrastructure services are available to the staff. Access to the IT infrastructure is essential for completion of the agency's mission. If the infrastructure is unavailable employees cannot access major agency systems.	99.67%	99.5%	TBD
3	2009	Management	Technology	Accessibility	Percentage agencywide IT infrastructure services are available to the staff. Access to the IT infrastructure is essential for completion of the agency's mission. If the infrastructure is unavailable employees cannot access major agency systems.	99.67%	99.5%	TBD
4	2007	Management	Mission and Business Results	Information Systems Security	Percent of identified IT security vulnerabilities that are addressed within 24 hours. Once an IT security vulnerability is identified, it is vital that it is mitigated quickly to reduce the risk of unauthorized access to sensitive information.	Initial year	85%	90%

5	2008	Management	Mission and Business Results	Information Systems Security	Percent of identified IT security vulnerabilities that are addressed within 24 hours. Once an IT security vulnerability is identified, it is vital that it is mitigated quickly to reduce the risk of unauthorized access to sensitive information.	90%	90%	TBD
6	2009	Management	Mission and Business Results	Information Systems Security	Percent of identified IT security vulnerabilities that are addressed within 24 hours. Once an IT security vulnerability is identified, it is vital that it is mitigated quickly to reduce the risk of unauthorized access to sensitive information.	90%	95%	TBD
7	2007	Management	Customer Results	Customer Satisfaction	Average satisfaction score (1-5) for customer satisfaction based on the customer support center survey obtained after each service request. Maintaining a high-quality workforce requires that employees are satisfied with the IT services they receive.	4.6	4	4.6
8	2008	Management	Customer Results	Customer Satisfaction	Avg satisfaction score for infrastructure services based on applicable questions in the annual NRC human capital survey. Maintaining a high-quality workforce requires that employees be satisfied with IT services received. 2008-new scoring method.	Initial year	75%	TBD
9	2009	Management	Customer Results	Customer Satisfaction	Average satisfaction score for infrastructure services based on applicable questions in the annual NRC human capital survey. Maintaining a high-quality workforce requires that employees are satisfied with the IT services they receive.	75%	85%	TBD
10	2007	Management	Processes and Activities	Planning	Completion of a 5-year IT infrastructure implementation plan. In order to support IT governance and provide adequate	Initial year	Complete	Complete

					information for agency executive managers, an effective plan must be developed and communicated.			
11	2008	Management	Processes and Activities	Timeliness	Percent of identified IT infrastructure initiatives completed as scheduled in agency operating plans. Managers need to feel that they will have the infrastructure improvements and IT applications that they need when they have been promised.	Initial year	80%	TBD
12	2009	Management	Processes and Activities	Timeliness	Percent of identified IT infrastructure initiatives completed as scheduled in agency operating plans. Managers need to feel that they will have the infrastructure improvements and IT applications that they need when they have been promised.	80%	85%	TBD

SECURITY & PRIVACY

In order to successfully address this area of the business case, each question below must be answered at the system/applicatiÂon level, not at a program or agency level. Systems supporting this investment on the planning and operational systems security tables should match the systems on the privacy table below. Systems on the Operational Security Table must be included on your agency FISMA system inventory and should be easily referenced in the inventory (i.e., should use the same name or identifier).

For existing Mixed-Life Cycle investments where enhancement, development, and/or modernization is planned, include the investment in both the Systems in Planning table (Table 3) and the Operational Systems table (Table 4). Systems which are already operational, but have enhancement, development, and/or modernization activity, should be included in both Table 3 and Table 4. Table 3 should reflect the planned date for the system changes to be complete and operational, and the planned date for the associated C&A update. Table 4 should reflect the current status of the requirements listed. In this context, information contained within Table 3 should characterize what updates to testing and documentation will occur before implementing the enhancements; and Table 4 should characterize the current state of the materials associated with the existing system.

All systems listed in the two security tables should be identified in the privacy table. The list of systems in the Name of System column of the privacy table (Table 8) should match the systems listed in columns titled Name of System in the security tables (Tables 3 and 4). For the Privacy table, it is possible that there may not be a one-to-one ratio between the list of systems and the related privacy documents. For example, one PIA could cover multiple systems. If this is the case, a working link to the PIA may be listed in column (d) of the privacy table more than once (for each system covered by the PIA).

The questions asking whether there is a PIA which covers the system and whether a SORN is required for the system are discrete from the narrative fields. The narrative column provides an opportunity for free text explanation why a working link is not provided. For example, a SORN may be required for the system, but the system is not yet operational. In this circumstance, answer yes for column (e) and in the narrative in column (f), explain that because the system is not operational the SORN is not yet required to be published.

For all investments, please respond to the questions below and verify the system owner took the following actions:

1. Identified the IT security costs for the system(s) and have integrated those costs into the overall costs of the investment:

yes

1.a. If yes, provide the Percentage IT Security for the budget year.

6.62

2. Is identifying and assessing security and privacy risks a part of the overall risk management effort for each system supporting or part of this investment.

yes

4. Operational Systems

System Name	Agency or Contractor?	Risk Impact Level	Completed C&A?	C&A Completion Date	Security Control Test Standard	Security Control Test Date	Contingency Plan Test Date
LAN/WAN - System	Contractor and Government	Moderate	no	2008-01-31	FIPS 200 / NIST 800-53	2007-09-06	2008-03-28
Novell Infrastructure Services - System	Contractor and Government	Moderate	no	2008-06-30	FIPS 200 / NIST 800-53	2008-05-30	2008-05-28
Windows Infrastructure Services - System	Contractor and Government	Moderate	no	2008-06-30	FIPS 200 / NIST 800-53	2008-05-30	2008-06-28
Managed Desktops and Laptops - System	Contractor and Government	High	no	2008-06-30	FIPS 200 / NIST 800-53	2008-05-30	2008-04-28
E-mail - System	Contractor and Government	Moderate	yes	2007-12-14	FIPS 200 / NIST 800-53	2007-11-30	2008-03-28
Remote Acess Systems (RAS) - System	Contractor and Government	Moderate	no	2008-06-30	FIPS 200 / NIST 800-53	2008-05-30	2008-04-28
Data Center Services - System	Contractor and Government	High	no	2008-02-15	FIPS 200 / NIST 800-53	2007-09-26	2008-03-28
Intrusion Detection System and Security - System	Contractor and Government	Moderate	no	2008-06-30	FIPS 200 / NIST 800-53	2008-05-30	2008-05-28

Telecommunications - System	Contractor and Government	High	no	2008-06-30	FIPS 200 / NIST 800-53	2008-05-30	2008-04-28
Managed Public Key Infrastructure - System	Contractor and Government	High	no	2008-04-15	FIPS 200 / NIST 800-53	2008-03-15	2008-05-28
Electronic Information Exchange - System	Contractor and Government	High	no	2008-03-15	FIPS 200 / NIST 800-53	2008-02-29	2008-06-28

5. Have any weaknesses related to any of the systems part of or supporting this investment been identified by the agency or IG?

yes

5.a. If yes, have those weaknesses been incorporated into the agency's plan of action and milestone process?

yes

6. Indicate whether an increase in IT security funding is requested to remediate IT security weaknesses?

no

6.a. If yes, specify the amount, a general description of the weakness, and how the funding request will remediate the weakness.

No increase is requested, however, NRC offers the following general description of weaknesses identified: The infrastructure general support systems are legacy systems. Many of these legacy systems lack adequate documentation to fulfill the requirements for Certification and Accreditation (C&A) for these systems. The increased funding will provide resources to document these systems adequately for C&A and remediate any operational security weaknesses identified during the C&A process. It is expected that two critical legacy systems in question will attain C&A in November 2007. NRC has also dedicated staffing resources to enhance the monitoring of and response to security weaknesses in its efforts to remediate weaknesses. In addition, an Operational IT Security program will be developed and implemented to ensure adequate security controls are in place to protect and document the IT Infrastructure and to provide FISMA compliance services to agency IT system owners who rely on the agency infrastructure support services.

7. How are contractor security procedures monitored, verified, and validated by the agency for the contractor systems above?

The systems associated with this investment are administered and operated by contractors and government staff. These systems are used by contractors and NRC employees. As part of the annual NIST 800-53 control tests, contractor security procedures are monitored, verified, and validated. In addition, the contractors supporting each component of the Infrastructure Program are required to submit monthly reports on security procedures for contractor staff. These reports are reviewed by NRC program management staff and discussed with contractors to ensure that any identified gaps or weaknesses are immediately corrected.

8. System Privacy Data

System Name	New System?	Is there a PIA?	PIA Internet Link or Explanation	Is SORN required?	SORN Internet Link or Explanation
LAN/WAN - System	no	yes	In support of the C&A activities a Privacy Impact Assessment (PIA) was completed which determined that the Privacy Act was not applicable for the Local Area Network/Wide Area Network GSS. Because of this determination the PIA does not need to be posted publically.	no	A SORN is not required for this system.
Novell Infrastructure Services - System	no	yes	In support of the C&A activities a Privacy Impact Assessment (PIA) was completed which determined that the Privacy Act was not applicable for the Novell Infrastructure Services GSS. Because of this determination the PIA does not need to be posted publically.	no	A SORN is not required for this system.
Windows Infrastructure Services - System	no	yes	In support of the C&A activities a Privacy Impact Assessment (PIA) was completed which determined that the Privacy Act was not applicable for the Windows Infrastructure Services GSS. Because of this determination the PIA does not need to be posted publically.	no	A SORN is not required for this system.
Managed Desktops and Laptops - System	no	yes	In support of the C&A activities a Privacy Impact Assessment (PIA) was completed which	no	A SORN is not required for this

			determined that the Privacy Act was not applicable for the Managed Desktops and Laptops GSS. Because of this determination the PIA does not need to be posted publically.		system.
E-mail - System	no	yes	In support of the C&A activities a Privacy Impact Assessment (PIA) was completed which determined that the Privacy Act was not applicable for the Electronic Mail Services GSS. Because of this determination the PIA does not need to be posted publically.	no	A SORN is not required for this system.
Remote Acess Systems (RAS) - System	no	yes	In support of the C&A activities a Privacy Impact Assessment (PIA) was completed which determined that the Privacy Act was not applicable for the Remote Access Services GSS. Because of this determination the PIA does not need to be posted publically.	no	A SORN is not required for this system.
Data Center Services - System	no	yes	In support of the C&A activities a Privacy Impact Assessment (PIA) was completed which determined that the Privacy Act was not applicable for the Data Center Services GSS. Because of this determination the PIA does not need to be posted publically.	no	A SORN is not required for this system.
Intrusion Detection System and Security - System	no	yes	A Privacy Impact Assessment has been prepared for this system and is currently being reviewed by the agency Privacy Officer.	no	A SORN is not required for this system.
Telecommunications - System	no	yes	In support of the C&A activities a Privacy Impact Assessment (PIA) was completed which determined that the Privacy Act was not applicable for the Telecommunications Services GSS. Because of this determination the PIA does not need to be posted publically.	no	A SORN is not required for this system.
Managed Public Key Infrastructure - System	no	yes	See: http://www.nrc.gov/about-nrc/plans/privacy-impcat-asess.html, and click on the fourteenth bullet labeled "Managed Public Key Infrastructure (MPKI)". The results of the PIA indicated that MPKI should be officially noticed as a Privacy Act system of records.	yes	The NRC is currently preparing a system of records notice for publication in the Federal Register.
Electronic Information Exchange - System	no	yes	In support of the C&A activities a Privacy Impact Assessment (PIA) was completed which determined that the Privacy Act was not applicable for the Electronic Information Exchange System. Because of this determination the PIA does not need to be posted publically.	no	A SORN is not required for this system.

EA

In order to successfully address this area of the business case and capital asset plan you must ensure the investment is included in the agency's EA and Capital Planning and Investment Control (CPIC) process, and is mapped to and supports the FEA. You must also ensure the business case demonstrates the relationship between the investment and the business, performance, data, services, application, and technology layers of the agency's EA.

1. Is this investment included in your agency's target enterprise architecture?

yes

1.a. If no, please explain why?

This investment is included in NRC's target Enterprise Architecture.

2. Is this investment included in the agency's EA Transition Strategy?

yes

2.a. If yes, provide the investment name as identified in the Transition Strategy provided in the agency's most recent annual EA Assessment.

Infrastructure Services and Support - In the third and fourth quarters of FY 2007, the NRC Office of Information Services undertook an effort to develop an Information Technology Roadmap which outlines various technologies that are being introduced into the agency over the next several years. The IT Roadmap is intended to guide the IT investment process to provide the technologies and IT infrastructure necessary to carry out the agency's mission

2.b. If no, please explain why?

This investment is included in the agency's EA Transition Strategy.

3. Is this investment identified in a completed (contains a target architecture) and approved segment architecture?

no

4. Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to http://www.whitehouse.gov/omb/egov/.

Component: Use existing SRM Components or identify as NEW. A NEW component is one not already identified as a service component in the FEA SRM.

Reused Name and UPI: A reused component is one being funded by another investment, but being used by this investment. Rather than answer yes or no, identify the reused service component funded by the other investment and identify the other investment using the Unique Project Identifier (UPI) code from the OMB Ex 300 or Ex 53 submission.

Internal or External Reuse?: Internal reuse is within an agency. For example, one agency within a department is reusing a service component provided by another agency within the same department. External reuse is one agency within a department reusing a service component provided by another agency in another department. A good example of this is an E-Gov initiative service being reused by multiple organizations across the federal government.

Funding Percentage: Please provide the percentage of the BY requested funding amount used for each service component listed in the table. If external, provide the funding level transferred to another agency to pay for the service.

	Agency Component Name	Agency Component Description	Service Type	Component	Reused Component Name	Reused UPI	Internal or External Reuse?	Funding %
1	Infrastructure Services and Support	The Infrastructure Support and Services investment is primarily concerned with support of the agency computer network and the computing devices (desktop pc's, laptops, and servers) that connect to it.	Asset / Materials Management	Computers / Automation Management			No Reuse	33
2	Infrastructure Services and Support	Infrastructure users have access to a help line where they can request information or assistance as well as provide feedback on the network and computer service	Customer Relationship Management	Customer Feedback			No Reuse	2

		that they are provided.						
3	Infrastructure Services and Support	After every user help request, a survey related to that request is sent to the user to solicit feedback.	Customer Relationship Management	Surveys			No Reuse	1
4	Infrastructure Services and Support	Each user request is logged and those requests that require "desk-side" support are scheduled so that a technician can correct the issue.	Customer Initiated Assistance	Scheduling			No Reuse	1
5	Infrastructure Services and Support	Modifications to the infrastructure go through a formal change management process and are logged using an internally developed application. In addition all security modifications are recorded and managed in Rational ClearQuest.	Management of Processes	Change Management			No Reuse	2
6	Infrastructure Services and Support	Documentation of new configurations are stored in both Rational ClearCase and the agency official record system.	Management of Processes	Configuration Management			No Reuse	1
7	Infrastructure Services and Support	Security requirements are maintained and managed in Rational RequisitePro.	Management of Processes	Requirements Management			No Reuse	1
8	Windows Infrastructure	Microsoft Enterprise Project (EPM) is used to track project schedules and resources, and is provided as a resource to the entire agency.	Management of Processes	Program / Project Management			No Reuse	1
9	Infrastructure Services and Support	Rational ClearQuest is used to track risks associated with NIST 800-53 and is used to evaluate risks in infrastructure systems.	Management of Processes	Risk Management			No Reuse	1
10	Windows Infrastructure	Microsoft Enterprise Project (EPM) and Microsoft SharePoint are provided by the Windows Infrastructure to promote project	Organizational Management	Workgroup / Groupware			No Reuse	2

		collaboration and create a virtual workgroup environment.						
11	Infrastructure Services and Support	Network management tools are used to monitor network servers and network router equipment. These tools aid in network maintenance as well.	Organizational Management	Network Management			No Reuse	1
12	Windows Infrastructure	Microsoft SharePoint provides an intranet web portal where users can share information about a project.	Knowledge Management	Information Sharing			No Reuse	1
13	Windows Infrastructure	Microsoft SharePoint captures knowledge and work products for current and future teams to utilize.	Knowledge Management	Knowledge Capture			No Reuse	1
14	Windows Infrastructure	Microsoft SharePoint web portal provides a means of distributing information to a large group. For example this information can be event based, an announcement, or a shared document with version control features.	Knowledge Management	Knowledge Distribution and Delivery			No Reuse	1
15	Data Center	The Data Center provides a service to back-up and restore agency data from a variety of network servers, both for general use and in support of specific applications.	Data Management	Data Recovery			No Reuse	1
16	Windows Infrastructure	The Windows Infrastructure provides Directory Services allowing for the secure storage of employee and contractor information.	Customer Relationship Management	Customer / Account Management			No Reuse	1
17	Windows Infrastructure	Active Directory is being positioned to act as a repository of employee and contractor contact information which will be available to the appropriate audiences.	Human Capital / Workforce Management	Workforce Directory / Locator			No Reuse	1
18	Windows	Active Directory	Security	Identification			No Reuse	1

	Infrastructure	maintains information to identify users to the network and other systems.	Management	and Authentication				
19	Windows Infrastructure	Active Directory maintains password information to verify users prior to access being granted to agency systems.	Security Management	Access Control			No Reuse	1
20	Novell Infrastructure	The Novell Infrastructure supports encoding of data for security purposes	Security Management	Cryptography			No Reuse	1
21	MPKI	The Managed Public Key Infrastructure provides electronic certificates as well as the verification process for granting those certificates.	Security Management	Digital Signature Management			No Reuse	3
22	Intrusion Detection and Security (IDS)	IDS Server-based software is installed on agency application servers to prevent intrusion by malicious software attacks.	Security Management	Intrusion Prevention			No Reuse	1
23	Intrusion Detection and Security (IDS)	Security devices are in place which monitor network traffic to alert operators of a network intrusion.	Security Management	Intrusion Detection			No Reuse	1
24	Intrusion Detection and Security (IDS)	An incident response team relies on tools to facilitate the response and the clean up after an incident has occurred.	Security Management	Incident Response			No Reuse	1
25	Intrusion Detection and Security (IDS)	A Security Event Manager will be used to observe network and server activity and prioritize issues that occur.	Security Management	Audit Trail Capture and Analysis			No Reuse	1
26	Intrusion Detection and Security (IDS)	The agency actively protects and scans agency servers and workstations for the presence of malicious software; and when detected, it quarantines and removes such software.	Security Management	Virus Protection			No Reuse	2
27	E-mail Services	MS Exchange provides users the ability to send and receive electronic	Collaboration	Email			No Reuse	5

		mail internally and externally of the agency. MS Outlook is the desktop client.						
28	E-mail Services	MS Exchange provides robust shared calendaring throughout the agency.	Collaboration	Shared Calendaring			No Reuse	1
29	E-mail Services	MS Outlook provides for individual and shared task assignment and tracking.	Collaboration	Task Management			No Reuse	1
30	Telecommunications	Agency telephones provide the ability to perform conference calling and speaker phones for large group conference calls.	Communication	Audio Conferencing			No Reuse	1
31	Telecommunications	Video conferencing equipment is available at each of the agency headquarter locations as well as in regional offices.	Communication	Video Conferencing			No Reuse	7
32	Telecommunications	Local and long distance voice communications as well as all telephone support are provided to agency employees and contractors.	Communication	Voice Communications			No Reuse	15
33	Infrastructure Services and Support	Help desk technicians are able to remotely control agency desktops to assist users in diagnosing hardware and software issues.	Systems Management	Remote Systems Control			No Reuse	1
34	Infrastructure Services and Support	Application servers are monitored to ensure that they are operating within acceptable parameters.	Systems Management	System Resource Monitoring			No Reuse	3
35	Infrastructure Services and Support	Software patches and upgrades are installed on agency workstations through an automated management process.	Systems Management	Software Distribution			No Reuse	1
36	Infrastructure Services and Support	Any hardware or software issues are reported by users to the agency customer support center and logged and tracked until resolved.	Systems Management	Issue Tracking			No Reuse	1

5. To demonstrate how this major IT investment aligns with the FEA Technical Reference Model (TRM), please list the Service Areas, Categories, Standards, and Service Specifications supporting this IT investment.

FEA SRM Component: Service Components identified in the previous question should be entered in this column. Please enter multiple rows for FEA SRM Components supported by multiple TRM Service Specifications.

Service Specification: In the Service Specification field, Agencies should provide information on the specified technical standard or vendor product mapped to the FEA TRM Service Standard, including model or version numbers, as appropriate.

	SRM Component	Service Area	Service Category	Service Standard	Service Specification (i.e., vendor and product name)
1	Customer / Account Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	LANDesk; PatchLink
2	Customer Feedback	Service Platform and Infrastructure	Delivery Servers	Application Servers	BMC Service Desk
3	Surveys	Service Platform and Infrastructure	Delivery Servers	Application Servers	BMC Service Desk
4	Scheduling	Service Platform and Infrastructure	Delivery Servers	Application Servers	BMC Service Desk
5	Change Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Rational ClearQuest 2003; Rational ClearCase 2003
6	Configuration Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Rational ClearCase 2003
7	Requirements Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Rational RequisitePro 2003
8	Program / Project Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Microsoft Project Enterprise 2007
9	Risk Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Rational ClearQuest 2003
10	Workgroup / Groupware	Service Access and Delivery	Access Channels	Collaboration / Communications	MS SharePoint 2007; MS Enterprise Project (EPM) 2007
11	Network Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	CISCO Works; What's Up Gold
12	Information Sharing	Service Platform and Infrastructure	Delivery Servers	Application Servers	MS SharePoint 2007
13	Knowledge Capture	Service Platform and Infrastructure	Delivery Servers	Application Servers	MS SharePoint 2007
14	Knowledge Distribution and Delivery	Service Platform and Infrastructure	Delivery Servers	Application Servers	MS SharePoint 2007
15	Data Recovery	Service Platform and Infrastructure	Delivery Servers	Application Servers	IBM Tivoli
16	Computers / Automation Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Microsoft Active Directory
17	Workforce Directory / Locator	Service Platform and Infrastructure	Database / Storage	Database	Microsoft Active Directory
18	Identification and Authentication	Service Access and Delivery	Service Transport	Supporting Network Services	Microsoft Active Directory
19	Access Control	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Active Directory
20	Cryptography	Component Framework	Security	Supporting Security Services	Novell International Cryptographic Infrastructure
21	Digital Signature	Component Framework	Security	Certificates / Digital	VeriSign Class 1 and Class 2

	Management			Signatures	Certificates
22	Intrusion Prevention	Component Framework	Security	Supporting Security Services	McAffee Host-Based Intrusion Prevention
23	Intrusion Detection	Component Framework	Security	Supporting Security Services	SNORT
24	Incident Response	Component Framework	Security	Supporting Security Services	SecureClean
25	Audit Trail Capture and Analysis	Component Framework	Security	Supporting Security Services	Microsoft Windows Server 2003
26	Virus Protection	Component Framework	Security	Supporting Security Services	Symantec 10
27	Email	Service Access and Delivery	Access Channels	Collaboration / Communications	Microsoft Exchange
28	Shared Calendaring	Service Access and Delivery	Access Channels	Collaboration / Communications	Microsoft Exchange
29	Task Management	Service Access and Delivery	Access Channels	Collaboration / Communications	Microsoft Outlook 2003
30	Audio Conferencing	Service Access and Delivery	Access Channels	Collaboration / Communications	Avaya SoundStation EX / 2W
31	Video Conferencing	Service Access and Delivery	Access Channels	Collaboration / Communications	TANDBERG WAVE II; Polycom Concorde 4500
32	Voice Communications	Service Access and Delivery	Access Channels	Collaboration / Communications	Nortel Business Communications Manager;
33	Remote Systems Control	Service Access and Delivery	Service Transport	Supporting Network Services	Microsoft Windows Server 2003
34	System Resource Monitoring	Service Access and Delivery	Service Transport	Supporting Network Services	Microsoft Windows Server 2003
35	Software Distribution	Service Access and Delivery	Service Transport	Supporting Network Services	LANDesk; PatchLink
36	Issue Tracking	Service Access and Delivery	Service Transport	Supporting Network Services	BMC Service Desk

6. Will the application leverage existing components and/or applications across the Government (i.e., FirstGov, Pay.Gov, etc)?

yes

6.a. If yes, please describe.

The Information Technology Infrastructure program will leverage existing components and/or applications across the Government insofar as possible. As an infrastructure program, this project currently utilizes the government-wide GSA FTS 2001 and WITS 2001 contracts. We will purchase software applications through the Federal SmartBuy program and look for opportunities to leverage E-gov applications and services. The EIE component of infrastructure will incorporate the GSA e-Authentication initiative for access control and authorization.

PART THREE

RISK

You should perform a risk assessment during the early planning and initial concept phase of the investmentâ€™s life-cycle, develop a risk-adjusted life-cycle cost estimate and a plan to eliminate, mitigate or manage risk, and be actively managing risk throughout the investmentâ€™s life-cycle.
Answer the following questions to describe how you are managing investment risks.
1. Does the investment have a Risk Management Plan?
yes
1.a. If yes, what is the date of the plan?
2007-06-15
1.b. Has the Risk Management Plan been significantly changed since last year's submission to OMB?
no
1.c. If yes, describe any significant changes:
No significant changes since last year's submission to OMB.
2.b. If no, what is the strategy for managing the risks?
The agency has a Risk Management Plan.

COST & SCHEDULE

1. Was operational analysis conducted?

yes

1.a. If yes, provide the date the analysis was completed.

2007-08-26

What were the results of your operational analysis?

The results of the operational analysis (OA) were designed to evaluate how objectives for each component of the investment could be improved. The results targeted more specific areas of: customer results, financial performance, strategic and business results, and innovation. In measuring the results of the operational analysis for the components in their respective steady-state phase compared current performance with the proposed established initial cost baselines to ensure cost efficiency. The OA results did confirm the cost efficiency of the investments and the effectiveness of the investment to aid in the NRC mission.

2. Complete the following table to compare actual cost performance against the planned cost performance baseline. Milestones reported may include specific individual scheduled preventative and predictable corrective maintenance activities, or may be the total of planned annual operation and maintenance efforts).

What costs are included in the reported Cost/Schedule Performance information?

Contractor and Government

	Description of Milestone	Planned End Date	Actual End Date	Planned Total Cost ($mil)	Actual Total Cost ($mil)	Schedule Variance (# of days)	Cost Variance ($mil)
1	Provide Infrastructure Integration and Seat Management (Historical costs prior to FY 2006)	2005-09-30	2005-09-30	54.130	54.130	0	0.000
2	Provide Infrastructure Integration and Seat Management	2006-09-30	2006-09-30	18.577	18.577	0	0.000
3	Provide Infrastructure Integration and Seat Management	2007-09-30	2007-09-30	26.749	26.749	0	0.000
4	Provide Infrastructure Integration and Seat Management	2008-09-30	2008-09-30	33.723		0	
5	Provide Infrastructure Integration and Seat Management	2009-09-30	2009-09-30	47.625		0	
6	Provide Infrastructure Integration and Seat Management	2010-09-30	2010-09-30	50.006		0	
7	Provide Infrastructure Integration and Seat Management	2011-09-30	2011-09-30	52.506		0	
8	Provide Infrastructure Integration and Seat Management	2012-09-30	2012-09-30	55.131		0	
9	Provide Infrastructure Integration and Seat Management	2013-09-30	2013-09-30	57.888		0	
10	Provide Production Operations (Historicial costs prior to FY 2006)	2005-09-30	2005-09-30	17.044	17.044	0	0.000
11	Provide Production Operations	2006-09-30	2006-09-30	4.002	4.002	0	0.000
12	Provide Production Operations	2007-09-30	2007-09-30	6.490	6.490	0	0.000
13	Provide Production Operations	2008-09-30	2008-09-30	6.853		0	
14	Provide Production Operations	2009-09-30	2009-09-30	8.830		0	
15	Provide Production Operations	2010-09-30	2010-09-30	9.270		0	

16	Provide Production Operations	2011-09-30	2011-09-30	9.733		0	
17	Provide Production Operations	2012-09-30	2012-09-30	10.220		0	
18	Provide Production Operations	2013-09-30	2013-09-30	10.731		0	
19	Provide Telecommunications Operations (Historical Costs Prior to FY 2006)	2005-09-30	2005-09-30	31.636	31.636	0	0.000
20	Provide Telecommunications Operations	2006-09-30	2006-09-30	7.303	7.303	0	0.000
21	Provide Telecommunications Operations	2007-09-30	2007-09-30	11.149	11.149	0	0.000
22	Provide Telecommunications Operations	2008-09-30	2008-09-30	11.250		0	
23	Provide Telecommunications Operations	2009-09-30	2009-09-30	14.561		0	
24	Provide Telecommunications Operations	2010-09-30	2010-09-30	15.289		0	
25	Provide Telecommunications Operations	2011-09-30	2011-09-30	16.056		0	
26	Provide Telecommunications Operations	2012-09-30	2012-09-30	16.853		0	
27	Provide Telecommunications Operations	2013-09-30	2013-09-30	17.698		0	
28	Provide Application Support (Historical Costs prior to FY 2006)	2005-09-30	2005-09-30	4.282	4.292	0	0.010
29	Provide Application Support	2006-09-30	2006-09-30	3.039	3.039	0	0.000
30	Provide Application Support	2007-09-30	2007-09-30	4.256	4.256	0	0.000
31	Provide Application Support	2008-09-30	2008-09-30	3.731		0	
32	Provide Application Support	2009-09-30	2009-09-30	4.195		0	
33	Provide Application Support	2010-09-30	2010-09-30	4.404		0	
34	Provide Application Support	2011-09-30	2011-09-30	4.625		0	
35	Provide Application Support	2012-09-30	2012-09-30	4.856		0	
36	Provide Application Support	2013-09-30	2013-09-30	5.099		0	
37	Provide Electronic Information Exchange (Historical Costs prior to FY 2006)	2005-09-30	2005-09-30	2.446	2.446	0	0.000
38	Provide Electronic Information Exchange	2006-09-30	2006-09-30	0.713	0.713	0	0.000
39	Provide Electronic Information Exchange	2007-09-30	2007-09-30	1.238	1.238	0	0.000
40	Provide Electronic Information Exchange	2008-09-30	2008-09-30	0.555		0	

41	Provide Electronic Information Exchange	2009-09-30	2009-09-30	0.990		0	
42	Provide Electronic Information Exchange	2010-09-30	2010-09-30	1.040		0	
43	Provide Electronic Information Exchange	2011-09-30	2011-09-30	1.090		0	
44	Provide Electronic Information Exchange	2012-09-30	2012-09-30	1.146		0	
45	Provide Electronic Information Exchange	2013-09-30	2013-09-30	1.203		0	