Exhibit 300 (BY2008)

PART ONE

OVERVIEW

1. Date of Submission:	2006-09-07
2. Agency:	429
3. Bureau:	00
4. Investment Name:	Incident Response System (IRS)
5. UPI:	429-00-01-03-01-2005-00

6. What kind of investment will this be in FY2008?
Mixed Life Cycle

7. What was the first budget year this investment was submitted to OMB?
FY2001 or earlier

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.
IRS is an emergency response management system for NRC Emergency Operations Center (EOC) to protect public health and safety and promote the common defense and security. Subsystems support data, display, voice requirements--Operations Center Information Management System (OCIMS), Emergency Response Data System (ERDS), Emergency Telecommunications System (ETS) and Secure Video Teleconferencing System (SVTC)--monitor nuclear plant conditions, and support timely emergency response. Contractor staff support the EOC 24 x 7 for rapid emergency response and collaboration between NRC Headquarters, NRC Regions, licensees, Federal, State and local officials and authorized parties. Emergency Response functions include monitoring site operations & conditions, recording events & conversations, notifying emergency response personnel, sharing information, and gathering analysis of conditions and mitigation actions. The NRC measures performance and gaps in emergency and incident response. Agency plans made for EOC modernization and upgrades respond to changes in security, environment, collaboration, and information sharing of security data to protect the nation's critical infrastructure. Gaps include increased demand for sharing time-sensitive data real-time with other stakeholders, and modernizing capabilities. IRS legacy components need upgrades, modernization, and replacement to respond to changing NRC emergency response role and meet changing performance requirements. NRC continues upgrades and plans for an assessment of the NRC Operations Center infrastructure and processes. IRS adheres to OMB Circular A-130 for Investment Management, the NRC's Institutionalized Program Management Processes (Level 1 Certified Program Manager). IRS adheres to agency standards, Acquisition Life Cycle planning and NRC's Capital Planning and Investment Control (CPIC). An Integrated Baseline Review (IBR) is scheduled (stipulated OMB M-05-23 using ANSI standard EIA748a). IRS adheres to agency EA guidance, Line of Sight, and NRC's Common Reference Model (CRM). Certification & Accreditation is in-process; annual self assessment, e-authentication risk assessment, and privacy impact assessment have been completed; identified risks included in NRC's Risk Management Plan and CPIC program. Continuity of Operations is institutionalized and offsite storage of data is maintained for the IRS investment.

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

9.a. If "yes," what was the date of this approval?
2006-05-22

10. Did the Project Manager review this Exhibit?
yes

11. Project Manager Name:
Kardaras, Tom

Project Manager Phone:
301-415-6942

Project Manager Email:
TXK1@nrc.gov

12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project.
no

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

12.b.3. If yes, is it designed to be 30% more energy efficient than relevant code?	
yes	
If yes, select the initiatives that apply:	
Budget Performance Integration	
Expanded E-Government	
Human Capital	

13.a. Briefly describe how this asset directly supports the identified initiative(s)?
Expanded E-Gov: information sharing with stakeholders for emergencies; automate internal processes/reduce cost. Human Capital: Increased productivity/resource savings; knowledge mgt; imp. work quality/effectiveness; training/technologies for staff retention and career growth. Budget: project management included. EVMS tracking against budget.
14. Does this investment support a program assessed using OMB's Program Assessment Rating Tool (PART)?
no
15. Is this investment for information technology (See section 53 for definition)?
yes
16. What is the level of the IT Project (per CIO Council's PM Guidance)?
Level 3
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 2006 agency high risk report (per OMB's high risk memo)?
no
19. Is this a financial management system?
no
20. What is the percentage breakout for the total FY2008 funding request for the following? (This should total 100%)

Hardware	25
Software	25
Services	50

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?
n/a
22. Contact information of individual responsible for privacy related questions.
Name
Sandra 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?
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
	-2005	2006	2007
Planning Budgetary Resources	0.216	1.085	0.530
Acquisition Budgetary Resources	1.421	1.228	1.799
Maintenance Budgetary Resources	1.708	1.347	1.491
Government FTE Cost	0.000	0.270	0.274
# of FTEs	2	2	2

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?

2 FTE in Fiscal Year 2008

PERFORMANCE

Table 1

	Fiscal Year	Strategic Goal(s) Supported	Performance Measure	Actual/baseline (from Previous Year)	Planned Performance Metric (Target)	Performance Metric Results (Actual)
1	2003	Nuclear Reactor Safety Arena: Respond to operational events involving potential safety or safeguards consequences.	The 24-hour notification point, response organization staffing, response facility availability, and response organization training will continue to be maintained at 100%.	The 24-hour notification point, response organization staffing, response facility availability, communication reliability, and response organization training function is always maintained at 100%.	NRC is ready to respond to emergencies 100% of the time.	NRC is ready to respond to emergencies 99.7% of the time.
2	2003	Nuclear Reactor Safety Arena: Maintain and operate a continuously staffed Headquarters Operations Center to support the agency in responding to operational events.	Schedules for completing ERDS system upgrades, performance testing, and completing needed maintenance will continue to be met 100% of the time.	Schedules for completing ERDS system upgrades, performance testing, and completing needed maintenance are met 100% of the time.	ERDS Scheduling requirements are met 100% of the time.	ERDS Scheduling requirements are met 100% of the time.
3	2003	Nuclear Reactor Safety Arena: Maintain and operate a continuously staffed Headquarters Operations Center to support the agency in responding to operational events.	Schedules for completing ETS system upgrades, performance testing, and completing needed maintenance will continue to be met 100% of the time.	Schedules for completing ETS system upgrades, performance testing, and completing needed maintenance are met 100% of the time.	ETS Scheduling requirements are met 100% of the time.	ETS Scheduling requirements are met 100% of the time.
4	2003	Nuclear Reactor Safety Arena: Maintain and operate a continuously staffed Headquarters Operations Center to support the agency in responding to operational events.	Schedules for completing OCIMS system upgrades, performance testing, and completing needed maintenance will continue to be met 100% of the time.	Schedules for completing OCIMS system upgrades, performance testing, and completing needed maintenance are met 100% of the time.	OCIMS Scheduling requirements are met 100% of the time.	OCIMS Scheduling requirements are met 100% of the time.
5	2004	Nuclear Reactor Safety Arena: Respond to operational events involving potential safety or safeguards consequences	The 24-hour notification point, response organization staffing, response facility availability, communication reliability, and response organization training function will always be maintained at 100%.	The 24-hour notification point, response organization staffing, response facility availability, communication reliability, and response organization training function is always maintained at 99.7%.	NRC is ready to respond to emergencies 99.7% of the time.	NRC is ready to respond to emergencies 100% of the time.
6	2004	Nuclear Reactor Safety Arena: Maintain and operate a continuously staffed Headquarters Operations Center to support the agency in responding to operational events.	Schedules for completing ERDS system upgrades, performance testing, and completing needed maintenance will continue to be met 100% of the time.	Schedules for completing ERDS system upgrades, performance testing, and completing needed maintenance are met 100% of the time.	ERDS Scheduling requirements are met 100% of the time.	ERDS Scheduling requirements are met 100% of the time.

7	2004	Nuclear Reactor Safety Arena: Maintain and operate a continuously staffed Headquarters Operations Center to support the agency in responding to operational events.	Schedules for completing ETS system upgrades, performance testing, and completing needed maintenance will be met 100% of the time.	Schedules for completing ETS system upgrades, performance testing, and completing needed maintenance are met 100% of the time.	ETS Scheduling requirements are met 100% of the time.	ETS Scheduling requirements are met 100% of the time.
8	2004	Nuclear Reactor Safety Arena: Maintain and operate a continuously staffed Headquarters Operations Center to support the agency in responding to operational events.	Schedules for completing OCIMS system upgrades, performance testing, and completing needed maintenance will continue to be met 100% of the time.	Schedules for completing OCIMS system upgrades, performance testing, and completing needed maintenance are met 100% of the time.	OCIMS Scheduling requirements are met 100% of the time.	OCIMS Scheduling requirements are met 100% of the time.
9	2005	Safety: Ensure Protection of Public Health and Safety and the Environment	The 24-hour notification point, response organization staffing, response facility availability, communication reliability, and response organization training function will always be maintained at 100%.	The 24-hour notification point, response organization staffing, response facility availability, communication reliability, and response organization training function is always maintained at 99.7%.	NRC is ready to respond to emergencies 99.7% of the time.	NRC is ready to respond to emergencies 100% of the time.
10	2005	Safety: Ensure Protection of Public Health and Safety and the Environment	Schedules for completing ERDS system upgrades, performance testing, and completing needed maintenance will continue to be met 100% of the time.	Schedules for completing ERDS system upgrades, performance testing, and completing needed maintenance are met 100% of the time.	ERDS Scheduling requirements are met 100% of the time.	ERDS Scheduling requirements are met 100% of the time.
11	2005	Safety: Ensure Protection of Public Health and Safety and the Environment	Schedules for completing ETS system upgrades, performance testing, and completing needed maintenance will be met 100% of the time.	Schedules for completing ETS system upgrades, performance testing, and completing needed maintenance are met 100% of the time.	ETS Scheduling requirements are met 100% of the time.	ETS Scheduling requirements are met 100% of the time.
12	2005	Safety: Ensure Protection of Public Health and Safety and the Environment	Schedules for completing OCIMS system upgrades, performance testing, and completing needed maintenance will continue to be met 100% of the time.	Schedules for completing OCIMS system upgrades, performance testing, and completing needed maintenance are met 100% of the time.	OCIMS Scheduling requirements are met 100% of the time.	OCIMS Scheduling requirements are met 100% of the time.

All new IT investments initiated for FY 2005 and beyond must use Table 2 and are required to use the FEA Performance Reference Model (PRM). Please use Table 2 and the PRM to identify the performance information pertaining to this major IT investment. 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 at least four different Measurement Areas (for each fiscal year). The PRM is available at www.egov.gov.

Table 2

	Fiscal Year	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
1	2006	Mission and Business Results	Catastrophic Defense	Catastrophic Defense	NRC IRS will be available to respond to emergencies 100% of the time.	NRC IRS will be available to respond to emergencies 100% of the time.	NRC has maintained 100% in readiness and response
2	2006	Customer Results	Customer Satisfaction	Customer Satisfaction	NRC IRS will meet Emergency Exercise objectives satisfactorily 100% of the time.	NRC IRS will meet Emergency Drill objectives satisfactorily 100% of the time.	NRC has maintained 100% in satisfaction for Emergency Drill objectives.
3	2006	Processes and Activities	Innovation and Improvement	Innovation and Improvement	Automation of 0% of information documents readily accessible in	Automation of 10% of information documents readily accessible in	NRC automated 10% of manual documents into electronically

					electronic format	electronic format.	accessible format.
4	2006	Technology	Improvement	Improvement	Increase reliability of automatic call out for emergency responders by 0%	Increase reliability of automated call out for emergency responders by 3%	Reliability of call out for emergency responders improved by 3%
5	2007	Mission and Business Results	Catastrophic Defense	Catastrophic Defense	NRC IRS will be available to respond to emergencies 100% of the time.	NRC IRS will be available to respond to emergencies 100% of the time.	Pending
6	2007	Customer Results	Customer Satisfaction	Customer Satisfaction	NRC IRS will meet Emergency Exercise objectives satisfactorily 100% of the time.	NRC IRS will meet Emergency Drill objectives satisfactorily 100% of the time.	Pending
7	2007	Processes and Activities	Innovation and Improvement	Innovation and Improvement	Automation of 10% of information documents readily accessible in electronic format.	Automation of 20% of information documents readily accessible in electronic format.	Pending
8	2007	Technology	Improvement	Improvement	Increase reliability of automatic call out for emergency responders by 3%	Increase reliability of automatic call out for emergency responders by 10%.	Pending

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

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.

Incident Response System

3. 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	Customer Services	IRS records and tracks telephone conversations	Customer Relationship Management	Call Center Management			No Reuse	0
2	Process Automation Services	IRS tracks activities at licensee sites throughout their business cycle	Tracking and Workflow	Process Tracking			No Reuse	0
3	Process Automation Services	IRS manages the lifecycle of incidents	Tracking and Workflow	Case Management			No Reuse	0
4	Business Management Services	IRS provides collaboration between the NRC and its licensees	Organizational Management	Workgroup / Groupware			No Reuse	0
5	Digital Asset Services	IRS allows access to data and information for use by an organization and its stakeholders	Knowledge Management	Information Retrieval			No Reuse	0
6	Digital Asset Services	IRS supports a multi-user environment to share NRC fee information	Knowledge Management	Information Sharing			No Reuse	0
7	Digital Asset Services	IRS supports the translation of knowledge from an expert into the knowledge base of the system	Knowledge Management	Knowledge Engineering			No Reuse	0
8	Digital Asset Services	IRS facilitates the collection of data and information	Knowledge Management	Knowledge Capture			No Reuse	0
9	Digital Asset Services	IRS distributes information to the system users	Knowledge Management	Knowledge Distribution and Delivery			No Reuse	0
10	Business Analytical Services	IRS supports representation of information in multiple media representations	Visualization	Multimedia			No Reuse	0

11	Business Analytical Services	IRS data is used to support the analysis of information used in decision making by the agency	Business Intelligence	Decision Support and Planning			No Reuse	0
12	Business Analytical Services	IRS provides ad-hoc reporting	Reporting	Ad Hoc			No Reuse	0
13	Business Analytical Services	IRS provides standardized reports	Reporting	Standardized / Canned			No Reuse	0
14	Back Office Services	IRS supports the interchange of information between multiple systems	Data Management	Data Exchange			No Reuse	0
15	Back Office Services	IRS supports the archiving and storage of large volumes of data	Data Management	Data Warehouse			No Reuse	0
16	Back Office Services	IRS supports the manipulation and change of data	Data Management	Extraction and Transformation			No Reuse	0
17	Back Office Services	IRS creation of both graphical and process applications	Development and Integration	Software Development			No Reuse	0
18	Support Services	IRS provides for the management of permissions to the system	Security Management	Access Control			No Reuse	0
19	Support Services	IRS supports the encoding of data for security purposes	Security Management	Cryptography			No Reuse	0
20	Support Services	The Secure Video Teleconferencing provides for visual access between other government agencies and the NRC	Communication	Video Conferencing			No Reuse	0
21	Support Services	The Operations Center Information Management System provides event management when necessary	Communication	Event / News Management			No Reuse	0
22	Support Services	The Telecommunications System provides voice and data telecommunications between NRC and emergency response facilities at licensee sites	Communication	Computer / Telephony Integration			No Reuse	0

4. 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	Call Center Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Communicator
2	Process Tracking	Service Platform and Infrastructure	Delivery Servers	Application Servers	Response Computer System
3	Case Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	ERDS Proprietary Software
4	Workgroup / Groupware	Service Platform and Infrastructure	Delivery Servers	Application Servers	Novell Groupware
5	Information Retrieval	Service Platform and Infrastructure	Delivery Servers	Application Servers	Response Computer System
6	Information Sharing	Service Platform and	Delivery Servers	Web Servers	Internet Information Server

		Infrastructure			
7	Knowledge Engineering	Service Platform and Infrastructure	Delivery Servers	Application Servers	ERDS Software
8	Knowledge Capture	Service Platform and Infrastructure	Delivery Servers	Application Servers	ERDS Software
9	Knowledge Distribution and Delivery	Service Platform and Infrastructure	Delivery Servers	Application Servers	ERDS Software
10	Multimedia	Service Platform and Infrastructure	Delivery Servers	Application Servers	Response Computer System
11	Decision Support and Planning	Service Platform and Infrastructure	Delivery Servers	Application Servers	RASCAL
12	Ad Hoc	Service Platform and Infrastructure	Delivery Servers	Application Servers	Response Computer System
13	Standardized / Canned	Service Platform and Infrastructure	Delivery Servers	Application Servers	Response Computer System
14	Data Exchange	Service Platform and Infrastructure	Database / Storage	Database	Sybase
15	Data Warehouse	Service Platform and Infrastructure	Database / Storage	Database	Sybase
16	Extraction and Transformation	Service Platform and Infrastructure	Database / Storage	Database	Sybase
17	Software Development	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	Microsoft Visual Studio
18	Access Control	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Windows 2000 Server
19	Video Conferencing	Service Platform and Infrastructure	Hardware / Infrastructure	Video Conferencing	Tanberg
20	Event / News Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Response Computer System
21	Computer / Telephony Integration	Service Access and Delivery	Access Channels	Other Electronic Channels	Dynamic Instruments Courier
22	Event / News Management	Service Platform and Infrastructure	Database / Storage	Database	HOOs Database

5. Will the application leverage existing components and/or applications across the Government (i.e., FirstGov, Pay.Gov, etc)?
yes
5.a. If yes, please describe.
The NRC is a member of the Disaster Management (DM) E-Gov initiative and will be analyzing whether the web site created for Disaster Management, for use by partners, is an option for disseminating Incident Response System outputs. Secure collaboration and information sharing with authorized stakeholders across government during emergency conditions is a critical requirement of the IRS and opportunities to collaborate continue to be explored.
6. Does this investment provide the public with access to a government automated information system?
no

PART TWO

RISK
You should perform a risk assessment during the early planning and initial concept phase of the investment'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 investment'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?
2006-05-22
1.b. Has the Risk Management Plan been significantly changed since last year's submission to OMB?
yes
1.c. If yes, describe any significant changes:
The ERDS component of IRS has developed an ERDS Modernization business case which is implementing a phased systems replacement. The ERDS Risk Management Plan reflects the increased risks for project management and success, costs, and schedule.
3. Briefly describe how investment risks are reflected in the life cycle cost estimate and investment schedule: (O&M investments do NOT need to answer.)
For the O&M components of IRS, the recurring costs and maintenance schedule are known; on-going reviews are conducted to assess issues and additional costs. For the ERDS Modernization component, the business case reflected best case life-cycle costs and estimated schedule. It also included discussion of potential risks which could impact these cost and schedule estimates, estimated deltas of cost or schedule impacts, and established milestone points where an assessment of changes and risks would be conducted. The first adjustment point is after contract award when the cost and schedule baseline will be changed to reflect the contractor's proposal. The contract will require a monthly earned value management report to track cost and schedule variance for work tasks. ERDS uses best practices for project management to reduce this investment risk; there is a certified ERDS PM, an integrated ERDS Project Team, an ERDS Executive Steering Team which follow the agency Project Management Methodology (PMM) and conduct monthly reviews of cost and schedule to identify and plan variances in cost and schedule. All identified risks have been documented in the agency plan of action & milestones (risk list) and costs for remediation have been ascribed.

COST & SCHEDULE

Does the earned value management system meet the criteria in ANSI/EIA Standard 748?	
yes	
2.a. What is the Planned Value (PV)?	
2.127	
2.b. What is the Earned Value (EV)?	
2.127	
2.c. What is the actual cost of work performed (AC)?	
2.124	
What costs are included in the reported Cost/Schedule Performance information?	
Contractor Only	
2.e. As of date:	
2006-08-15	
3. What is the calculated Schedule Performance Index (SPI= EV/PV)?	
1	
4. What is the schedule variance (SV = EV-PV)?	
0.000	
5. What is the calculated Cost Performance Index (CPI = EV/AC)?	
1	
6. What is the cost variance (CV = EV-AC)?	
0.003	
7. Is the CV or SV greater than 10%?	
no	
7.d. What is most current Estimate at Completion?	
8.152	
8. Have any significant changes been made to the baseline during the past fiscal year?	
no	

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