Exhibit 300: Capital Asset Plan and Business Case Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview (All Capital Assets)

1. Date of Submission:	9/10/2007
2. Agency:	Department of Energy
3. Bureau:	Environmental And Other Defense Activities
4. Name of this Capital Asset:	HS (SP) Nuclear Materials Management and Safeguards System (NMMSS)
5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.)	019-10-01-22-01-1015-00
6. What kind of investment will this be in FY2009? (Please NOTE: Investments moving to O&M in FY2009, with Planning/Acquisition activities prior to FY2009 should not select O&M. These investments should indicate their current status.)	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:

9. Did the Agency's Executive/Investment Committee approve this request?	Yes
a. If "yes," what was the date of this approval?	8/24/2006
10. Did the Project Manager review this Exhibit?	Yes
11. Contact information of Project Manager?	
Name	Dessaules, Peter
Phone Number	301-903-4525
Email	pete.dessaules@hq.doe.gov
a. What is the current FAC-P/PM certification level of the project/program manager?	DAWIA-Level-2
12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project?	Yes
a. Will this investment include electronic assets (including computers)?	Yes
b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)	No
1. If "yes," is an ESPC or UESC being used to help fund this investment?	
2. If "yes," will this investment meet sustainable design principles?	
3. If "yes," is it designed to be 30% more energy efficient than relevant code?	
13. Does this investment directly support one of the PMA initiatives?	Yes
If "yes," check all that apply:	Expanded E-Government Real Property Asset Management
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?)	NMMSS supports PMA initiatives of e-Gov collaboration and reuse and Real Property Asset Management by integrating the support of DOE and NRC reporting and international treaties through the Department of State, to account for

	nuclear materials inventory. NMMSS collaborates internally with DOE through its interface with LANMAS (UPI 019-60-01-22-01-1016-00-405-144), and by providing data for asset valuation, long term disposal strategies, waste management programs, and facility decommissioning.
14. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)? (For more information about the PART, visit www.whitehouse.gov/omb/part.)	No
a. If "yes," does this investment address a weakness found during a PART review?	
b. If "yes," what is the name of the PARTed program?	
c. If "yes," what rating did the PART receive?	
15. Is this investment for information technology?	Yes

If the answer to Question 15 is "Yes," complete questions 16-23 below. If the answer is "No," do not answer questions 16-23.

For information technology investments only:

16. What is the level of the IT Project? (per CIO Council PM Guidance)	Level 2
17. What project management qualifications does the Project Manager have? (per CIO Council PM Guidance)	(1) Project manager has been validated as qualified for this investment
18. Is this investment or any project(s) within this investment identified as "high risk" on the Q4 - FY 2007 agency high risk report (per OMB Memorandum M-05-23)	No
19. Is this a financial management system?	No
a. If "yes," does this investment address a FFMIA compliance area?	
1. If "yes," which compliance area:	
2. If "no," what does it address?	

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 A-11 section 52

20. What is the percentage breakout for the total FY2009 funding request for the following? (This should total 100%)

Hardware	2
Software	2
Services	96
Other	0
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	Dessaules, Peter
Phone Number	301-903-4525
Title	Program Manager
E-mail	pete.dessaules@hq.doe.gov
23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval?	Yes

Question 24 must be answered by all Investments:

24. Does this investment directly support one of the GAO High Risk Areas?	No

Section B: Summary of Spending (All Capital Assets)

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.

Table 1: SUMMARY OF SPENDING FOR PROJECT PHASES (REPORTED IN MILLIONS)
(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)

	PY-1 and earlier	PY 2007	CY 2008	BY 2009	BY+1 2010	BY+2 2011	BY+3 2012	BY+4 and beyond	Total
Planning:	0	0	0	0					
Acquisition:	3.538	1.545	0.58	0					
Subtotal Planning & Acquisition:	3.538	1.545	0.58	0					
Operations & Maintenance:	9.764	2.567	3.418	3.152					
TOTAL:	13.302	4.112	3.998	3.152					
Government FTE Costs should not be included in the amounts provided above.									
Government FTE Costs	0.542	0.145	0.149	0.152					
Number of FTE represented by Costs:	8	2	2	2					

Note: For the multi-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? No

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

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

Section C: Acquisition/Contract Strategy (All Capital Assets)

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.

Contracts/Task Orders Table: * Costs in millions

Contract or Task Order Number	Type of Contract/ Task Order	Has the contract been awarded (Y/N)	If so what is the date of the award? If not, what is the planned award date?	Start date of Contract/ Task Order	End date of Contract/ Task Order	Total Value of Contract/ Task Order ($M)	Is this an Interagency Acquisition? (Y/N)	Is it performance based? (Y/N)	Competitively awarded? (Y/N)	What, if any, alternative financing option is being used? (ESPC, UESC, EUL, N/A)	Is EVM in the contract? (Y/N)	Does the contract include the required security & privacy clauses? (Y/N)	Name of CO	CO Contact information (phone/email)	Contracting Officer Certification Level (Level 1,2,3,N/A)	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition? (Y/N)
DE-AC09-98SF21544	Cost Plus Award Fee, Performance targets are established annually and based on performance review by DOE and NRC an award fee is determined. Total value of contract describes steady state funding for NMMS, only.	Yes	9/28/1998	10/1/1998	9/30/2008	15.803	No	Yes	No	NA	No	Yes	Campbell, Donnie	803-952-7732 / donnie04.campbell@srs.gov	Level 3	
DE-AC09-96-SR-185000 has specific tasking for NMMSS Upgrade DME	Management and Operating (M&O) Specific tasking for DME Application Development is authorized annually. EVMS tracks the DME tasking to assure performance is managed effectively.Total value of contract describes DME funding for NMMS, only.	Yes	8/6/1996	10/1/1996	6/30/2008	5.441	No	Yes	Yes	NA	Yes	Yes	Lovett, James	803-952-9829 / james.lovett@srs.gov	Level 3	

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:

EVM is required for all DME tasking to provide effective performance management.

Although the current operations contract, DE-AC09-98SF21544, supports the steady state operations of NMMSS, and does not specifically require EVM, EVM is implemented by the contractor for the steady state operation of NMMSS.

3. Do the contracts ensure Section 508 compliance?	Yes
a. Explain why:	While NMMSS is not a publicly accessed system, there is a significant user interface with approximately 800 reporting entities submitting information and receiving reports. The DME upgrade path to a Windows platform and a uniform reporting structure facilitates accessibility.
4. Is there an acquisition plan which has been approved in accordance with agency requirements?	Yes
a. If "yes," what is the date?	1/26/2007
b. If "no," will an acquisition plan be developed?	
1. If "no," briefly explain why:	

Section D: Performance Information (All Capital Assets)

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 or qualitative 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.

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2007	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Distribution of standard NMMSS reports within ten (10) workdays	Distribute standard NMMSS reports within ten (10) workdays of closure of the monthly accounting period.	There is no planned improvement to the baseline process until after the development of the SQL system is complete and the system operational FY08.	Through Q2 FY 2007, reports distributed complete within ten (10) work days.
2007	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Dispatch IAEA Inventory Change Reports - within thirty (30) days of the month ended	Dispatch IAEA Inventory Change Reports (ICR) within thirty (30) days of the month ended (regardless of closure of the books).	There is no planned improvement to the baseline process until after the development of the SQL system is complete and the system operational FY08.	Through Q2 FY 2007, IAEA reports distributed complete within thirty (30) days of month ended.
2007	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time	Dispatch IAEA material balance reports and physical inventory listing reports - within thirty (30) days of receipt from IAEA	Dispatch IAEA material balance reports and physical inventory listing reports within thirty (30) days of receipt from IAEA selected facilities.	There is no planned improvement to the baseline process until after the development of the SQL system is complete and the system operational FY08.	Through Q2 FY2007, IAEA material balance and physical inventory reports distributed complete within thirty (30) days of receipt form IAEA selected facilities.
2007	GOAL 2.2	Mission and	Administrative	Facilities, Fleet,	Perform	Perform	There is no	Through Q2 FY

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Business Results	Management	And Equipment Management	reconciliation of licensee Material Balance Reports and Physical Inventory Listings. Notify NRC if a facility does not respond within (5) workdays.	reconciliation of licensee Material Balance Reports and Physical Inventory Listings in accordance with an approved NRC reconciliation procedure with notice given to the NRC when a facility does not respond within five (5) workdays.	planned improvement to the baseline process until after the development of the SQL system is complete and the system operational FY08.	2007, reconciliation of licensee material balance reports and physical inventory listings were completed accurately and NRC was notified if a facility did not respond within five (5) work days.
2007	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Productivity and Efficiency	Efficiency	Provide special reports - (10) workdays after the customer request	Provide special reports not later than ten (10) workdays after the customer request unless a different delivery date is negotiated and documented.	There is no planned improvement to the baseline process until after the development of the SQL system is complete and the system operational FY08.	Through Q2 FY 2007, special reports were distributed within ten (10) work days after the customer request unless a later delivery date was negotiated and documented.
2007	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Technology	Information and Data	Data Reliability and Quality	Provide reports used in DOE reconciliations to the facilities within five (5) workdays of the request.	Reports used in DOE reconciliations are provided to the facilities within five (5) workdays of the request.	There is no planned improvement to the baseline process until after the development of the SQL system is complete and the system operational FY08.	Through Q2 FY 2007, reconciliation reports were provided to facilities within five (5) work days of the request.
2008	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2008	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2008	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Mission and Business Results	Administrative Management	Facilities, Fleet, And Equipment Management				
2008	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use	Processes and Activities	Management and Innovation	Innovation and Improvement				

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	in weapons of mass destruction and other acts of terrorism.							
2008	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Management and Innovation	Innovation and Improvement				
2008	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Productivity and Efficiency	Efficiency				
2008	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Technology	Information and Data	Data Reliability and Quality				
2009	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2009	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2009	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2009	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of	Mission and Business Results	Administrative Management	Facilities, Fleet, And Equipment Management				

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	mass destruction and other acts of terrorism.							
2009	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Productivity and Efficiency	Efficiency				
2009	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Technology	Information and Data	Data Reliability and Quality				
2009	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Technology	Reliability and Availability	Availability				
2010	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2010	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2010	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2010	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction	Mission and Business Results	Administrative Management	Facilities, Fleet, And Equipment Management				

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	and other acts of terrorism.							
2010	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Productivity and Efficiency	Efficiency				
2010	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Technology	Information and Data	Data Reliability and Quality				
2011	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2011	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2011	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2011	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Mission and Business Results	Administrative Management	Facilities, Fleet, And Equipment Management				
2011	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of	Processes and Activities	Productivity and Efficiency	Efficiency				

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	terrorism.							
2011	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Technology	Information and Data	Data Reliability and Quality				
2012	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2012	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2012	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Customer Results	Timeliness and Responsiveness	Delivery Time				
2012	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Mission and Business Results	Administrative Management	Facilities, Fleet, And Equipment Management				
2012	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Processes and Activities	Productivity and Efficiency	Efficiency				
2012	GOAL 2.2 Weapons of Mass Destruction – Prevent the acquisition of nuclear and radiological materials for use in weapons of mass destruction and other acts of terrorism.	Technology	Information and Data	Data Reliability and Quality				

Section E: Security and Privacy (IT Capital Assets only)

In order to successfully address this area of the business case, each question below must be answered at the system/application 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.

Please respond to the questions below and verify the system owner took the following actions:

1. Have the IT security costs for the system(s) been identified and integrated into the overall costs of the investment:

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

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.

3. Systems in Planning and Undergoing Enhancement(s), Development, and/or Modernization - Security Table(s):

Name of System	Agency/ or Contractor Operated System?	Planned Operational Date	Date of Planned C&A update (for existing mixed life cycle systems) or Planned Completion Date (for new systems)
Nuclear Materials Management and Safeguards System (NMMSS) - Windows version			

4. Operational Systems - Security Table:

Name of System	Agency/ or Contractor Operated System?	NIST FIPS 199 Risk Impact level (High, Moderate, Low)	Has C&A been Completed, using NIST 800-37? (Y/N)	Date Completed: C&A	What standards were used for the Security Controls tests? (FIPS 200/NIST 800-53, NIST 800-26, Other, N/A)	Date Complete(d): Security Control Testing	Date the contingency plan tested
Nuclear Materials Management and Safeguards System (NMMSS) - DOS version							

5. Have any weaknesses, not yet remediated, related to any of the systems part of or supporting this investment been identified by the agency or IG?

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

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

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

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

8. Planning & Operational Systems - Privacy Table:

(a) Name of System	(b) Is this a new system? (Y/N)	(c) Is there at least one Privacy Impact Assessment (PIA) which covers this system? (Y/N)	(d) Internet Link or Explanation	(e) Is a System of Records Notice (SORN) required for this system? (Y/N)	(f) Internet Link or Explanation
Nuclear Materials Management and Safeguards System (NMMSS) - DoS version	No	No	No, because the system does not contain, process, or transmit personal identifying information.	No	
Nuclear Materials Management and Safeguards System (NMMSS) - Windows version	Yes	No	No, because the system does not contain, process, or transmit personal identifying information.	No	

Details for Text Options:
Column (d): If yes to (c), provide the link(s) to the publicly posted PIA(s) with which this system is associated. If no to (c), provide an explanation why the PIA has not been publicly posted or why the PIA has not been conducted.

Column (f): If yes to (e), provide the link(s) to where the current and up to date SORN(s) is published in the federal register. If no to (e), provide an explanation why the SORN has not been published or why there isn't a current and up to date SORN.

Note: Working links must be provided to specific documents not general privacy websites. Non-working links will be considered as a blank field.

Section F: Enterprise Architecture (EA) (IT Capital Assets only)

In order to successfully address this area of the capital asset plan and business case, the investment must be included in the agency's EA and Capital Planning and Investment Control (CPIC) process and mapped to and supporting the FEA. The business case must demonstrate 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
a. If "no," please explain why?	
2. Is this investment included in the agency's EA Transition Strategy?	Yes
a. If "yes," provide the investment name as identified in the Transition Strategy provided in the agency's most recent annual EA Assessment.	HS (SO) Nuclear Materials Management and Safeguards System (NMMSS)
b. If "no," please explain why?	
3. Is this investment identified in a completed (contains a target architecture) and approved segment architecture?	Yes
a. If "yes," provide the name of the segment architecture as provided in the agency's most recent annual EA Assessment.	EATP, dated February, 2007, Section 2.1.5.3, Materials and Components Management

4. Service Component Reference Model (SRM) Table:
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.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
Data Mining	Provide for the efficient discovery of non-obvious, valuable patterns and relationships within a large collection of data.	Business Analytical Services	Knowledge Discovery	Data Mining			No Reuse	
Ad Hoc	Support the use of dynamic reports on an as needed basis.	Business Analytical Services	Reporting	Ad Hoc	Ad Hoc	019-10-01-22-01-1016-00	Internal	

4. Service Component Reference Model (SRM) Table:
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.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
Standardized / Canned	Support the use of pre-conceived or pre-written reports	Business Analytical Services	Reporting	Standardized / Canned	Standardized / Canned	019-10-01-22-01-1016-00	Internal	
Inventory management	Provide for the balancing of customer service levels with inventory investment	Business Management Services	Supply Chain Management	Inventory management	Inventory management	019-10-01-22-01-1016-00	Internal	
Content Publishing and Delivery	Allow for the propagation of interactive programs	Digital Asset Services	Content Management	Content Publishing and Delivery			No Reuse	
Information Mapping / Taxonomy	Support the creation and maintenance of relationships between data entities, naming standards and categorization	Digital Asset Services	Knowledge Management	Information Mapping / Taxonomy			No Reuse	

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

b. 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.

c. '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.

d. Please provide the percentage of the BY requested funding amount used for each service component listed in the table. If external, provide the percentage of the BY requested funding amount transferred to another agency to pay for the service. The percentages in the column can, but are not required to, add up to 100%.

5. Technical Reference Model (TRM) Table:
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 (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (b) (i.e., vendor and product name)
Forensics	Component Framework	Business Logic	Platform Dependent	
Data Mining	Component Framework	Business Logic	Platform Dependent	
Data Mining	Component Framework	Business Logic	Platform Dependent	
Data Mining	Component Framework	Data Management	Database Connectivity	
Ad Hoc	Component Framework	Data Management	Database Connectivity	
Content Publishing and Delivery	Service Access and Delivery	Access Channels	Other Electronic Channels	
Content Publishing and Delivery	Service Access and Delivery	Delivery Channels	Intranet	
Content Publishing and Delivery	Service Access and Delivery	Service Transport	Supporting Network Services	
Content Publishing and Delivery	Service Access and Delivery	Service Transport	Supporting Network Services	
Inventory management	Service Interface and Integration	Integration	Enterprise Application Integration	
Information Mapping / Taxonomy	Service Interface and Integration	Integration	Enterprise Application Integration	
Ad Hoc	Service Interface and Integration	Integration	Enterprise Application Integration	
Information Mapping / Taxonomy	Service Interface and Integration	Interoperability	Data Format / Classification	
Information Mapping / Taxonomy	Service Interface and Integration	Interoperability	Data Types / Validation	
Inventory management	Service Platform and Infrastructure	Database / Storage	Database	
Information Mapping / Taxonomy	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	

5. Technical Reference Model (TRM) Table:
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 (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (b) (i.e., vendor and product name)
Information Mapping / Taxonomy	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	
Information Mapping / Taxonomy	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	
Standardized / Canned	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	
Inventory management	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	
Inventory management	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	
Forensics	Service Platform and Infrastructure	Software Engineering	Modeling	
Inventory management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	
Content Publishing and Delivery	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	
Inventory management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	
Forensics	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	
Inventory management	Service Platform and Infrastructure	Software Engineering	Test Management	
Standardized / Canned	Service Platform and Infrastructure	Software Engineering	Test Management	
Inventory management	Service Platform and Infrastructure	Software Engineering	Test Management	
Information Mapping / Taxonomy	Service Platform and Infrastructure	Support Platforms	Platform Dependent	
Content Publishing and Delivery	Service Platform and Infrastructure	Support Platforms	Platform Dependent	

a. 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

b. 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.

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

a. If "yes," please describe.

Exhibit 300: Part II: Planning, Acquisition and Performance Information

Section A: Alternatives Analysis (All Capital Assets)

Part II should be completed only for investments identified as "Planning" or "Full Acquisition," or "Mixed Life-Cycle" investments in response to Question 6 in Part I, Section A above.

In selecting the best capital asset, you should identify and consider at least three viable alternatives, in addition to the current baseline, i.e., the status quo. Use OMB Circular A-94 for all investments and the Clinger Cohen Act of 1996 for IT investments to determine the criteria you should use in your Benefit/Cost Analysis.

1. Did you conduct an alternatives analysis for this project? Yes

a. If "yes," provide the date the analysis was completed? 8/20/2005

b. If "no," what is the anticipated date this analysis will be completed?

c. If no analysis is planned, please briefly explain why:

2. Alternative Analysis Results: * Costs in millions

Use the results of your alternatives analysis to complete the following table:

Alternative Analyzed	Description of Alternative	Risk Adjusted Lifecycle Costs estimate	Risk Adjusted Lifecycle Benefits estimate
Alternative 1			
Alternative 2			
Alternative 3			
Baseline - Status Quo			

3. Which alternative was selected by the Agency's Executive/Investment Committee and why was it chosen?

Alternative 1 -
Providing DOE with an application that will be in compliance with DOE target architecture was number one priority in the research on this investment.

This development has established management controls, requirements documentation, and EVM.

4. What specific qualitative benefits will be realized?

5. Will the selected alternative replace a legacy system in-part or in-whole? No

a. If "yes," are the migration costs associated with the migration to the selected alternative included in this investment, the legacy investment, or in a separate migration investment.

b. If "yes," please provide the following information:

List of Legacy Investment or Systems

Name of the Legacy Investment of Systems	UPI if available	Date of the System Retirement

Section B: Risk Management (All Capital Assets)

You should have performed a risk assessment during the early planning and initial concept phase of this investment's life-cycle, developed 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.

1. Does the investment have a Risk Management Plan? Yes

a. If "yes," what is the date of the plan? 7/19/2007

b. Has the Risk Management Plan been significantly changed since last year's submission to OMB? No

c. If "yes," describe any significant changes:

No significant changes.

2. If there currently is no plan, will a plan be developed?

a. If "yes," what is the planned completion date?

b. If "no," what is the strategy for managing the risks?

3. Briefly describe how investment risks are reflected in the life cycle cost estimate and investment schedule:

DOE Program Management has required EVMS on both the DME and steady state investment projects. EVMS is implemented to monitor cost and schedule risks over time by linking defined performance goals and metrics to actual accomplishments. EVMS provides an early warning system to identify, manage and mitigate cost and schedule risks.

Conservative estimates were associated with existing and future system availability calculations. All DME development efforts are managed using EVMS. EVMS offsets the task being part of the umbrella M&O contract and assures performance is managed effectively. Annual work authorizations by DOE are based on review of EVMS reporting of current performance.

Conservative estimates were made on current and future FTE counts for system and user support. Current Award Fee contracting is annually reviewed by DOE and NRC to provide determination of fee based on performance.

Section C: Cost and Schedule Performance (All Capital Assets)

EVM is required only on DME portions of investments. For mixed lifecycle investments, O&M milestones should still be included in the table (Comparison of Initial Baseline and Current Approved Baseline). This table should accurately reflect the milestones in the initial baseline, as well as milestones in the current baseline.

1. Does the earned value management system meet the criteria in ANSI/EIA Standard-748?	Yes
2. Is the CV% or SV% greater than +/- 10%? (CV%= CV/EV x 100; SV%= SV/PV x 100)	No
a. If "yes," was it the CV or SV or both?	
b. If "yes," explain the causes of the variance:	
c. If "yes," describe the corrective actions:	
3. Has the investment re-baselined during the past fiscal year?	Yes
a. If "yes," when was it approved by the agency head?	8/24/2007

4. Comparison of Initial Baseline and Current Approved Baseline

Complete the following table to compare actual performance against the current performance baseline and to the initial performance baseline. In the Current Baseline section, for all milestones listed, you should provide both the baseline and actual completion dates (e.g., "03/23/2003"/ "04/28/2004") and the baseline and actual total costs (in $ Millions). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate '0' for any milestone no longer active.

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date (mm/dd/yyyy)	Total Cost ($M) Estimated	Completion Date (mm/dd/yyyy)		Total Cost ($M)		Schedule (# days)	Cost ($M)	
				Planned	Actual	Planned	Actual			
10	DME NMMSS Upgrade System Requirements Development and Description. Contract DE-AC09-96-SR-185000 (Section I.C.1)	3/31/2004	$0.194	3/31/2004	3/31/2004	$0.194	$0.194	0	$0	100%
11	Steady State NMMSS Operations and Maintenance FY 2004. Contract DE-AC09-98SF21544 (Section I.C.1)	9/30/2004	$3.67	9/30/2004	9/30/2004	$3.67	$3.67	0	$0	100%
20	DME NMMSS Upgrade Authority Reference Module Development. Contract DE-AC09-96-SR-185000 (Section I.C.1)	12/30/2004	$0.574	12/30/2004	12/30/2004	$0.574	$0.519	0	$0.055	100%
21	DME NMMSS Upgrade Transactions Module Development. Contract DE-AC09-96-SR-185000 (Section I.C.1)	8/31/2005	$0.547	8/31/2005	8/31/2005	$0.547	$0.536	0	$0.011	100%
22	Steady State	9/30/2005	$2.934	9/30/2005	9/30/2005	$2.934	$2.934	0	$0	100%

4. Comparison of Initial Baseline and Current Approved Baseline

Complete the following table to compare actual performance against the current performance baseline and to the initial performance baseline. In the Current Baseline section, for all milestones listed, you should provide both the baseline and actual completion dates (e.g., "03/23/2003"/ "04/28/2004") and the baseline and actual total costs (in $ Millions). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate '0' for any milestone no longer active.

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date (mm/dd/yyyy)	Total Cost ($M) Estimated	Completion Date (mm/dd/yyyy)		Total Cost ($M)		Schedule (# days)	Cost ($M)	
				Planned	Actual	Planned	Actual			
	NMMSS Operations and Maintenance FY 2005. Contract DE-AC09-98SF21544 (Section I.C.1)									
30	DME NMMSS Upgrade Inventory Module Development. Contract DE-AC09-96-SR-185000 (Section I.C.1)	3/31/2006	$0.492	3/31/2006	3/31/2006	$0.492	$0.34	0	$0.152	100%
31	DME NMMSS Upgrade Material Balance Module Development. Contract DE-AC09-96-SR-185000 (Section I.C.1)	9/29/2006	$0.355	9/29/2006	9/29/2006	$0.355	$0.339	0	$0.016	100%
32	Steady State NMMSS Operations and Maintenance FY 2006. Contract DE-AC09-98SF21544 (Section I.C.1)	9/30/2006	$2.62	9/30/2006	9/30/2006	$2.62	$2.738	0	$-0.118	100%
42	Steady State NMMSS Operations and Maintenance FY 2007. Contract	9/30/2007	$2.644	9/30/2007		$2.644	$2.002		$-0.09832	72%

4. Comparison of Initial Baseline and Current Approved Baseline

Complete the following table to compare actual performance against the current performance baseline and to the initial performance baseline. In the Current Baseline section, for all milestones listed, you should provide both the baseline and actual completion dates (e.g., "03/23/2003"/ "04/28/2004") and the baseline and actual total costs (in $ Millions). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate '0' for any milestone no longer active.

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date (mm/dd/yyyy)	Total Cost ($M) Estimated	Completion Date (mm/dd/yyyy)		Total Cost ($M)		Schedule (# days)	Cost ($M)	
				Planned	Actual	Planned	Actual			
	DE-AC09-98SF21544 (Section I.C.1)									