

## Exhibit 300 (BY2010)

2008-09-16T08:13:35.345-04:00 1407 A002181

### PART ONE

### OVERVIEW

<b>1. Date of Submission:</b>	2008-09-08-04:00
<b>2. Agency:</b>	429
<b>3. Bureau:</b>	00
<b>4. Name of this Capital Asset:</b>	National Source Tracking System (NSTS)
<b>5. Unique Project Identifier:</b>	429-00-01-04-01-1010-00
6. What kind of investment will this be in FY2010?	Full-Acquisition
7. What was the first budget year this investment was submitted to OMB?	FY2006
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.	<p>Purpose: The purpose of this investment is to provide Web-based, full life cycle tracking of individual sealed sources containing nuclear materials. This investment directly supports the Nuclear Regulatory Commission (NRC) mission areas of nuclear materials safety and security of radioactive material with emphasis on accountability for radioactive sources. Establishment of the National Source Tracking System (NSTS) is required under the Energy Policy Act of 2005. These Sources, used in varied industrial and medical settings could potentially be stolen and used to produce a "dirty bomb", involving the use of conventional explosives in combination with Sources. Through detailed tracking in the NSTS, the NRC and other concerned government agencies will be able to readily determine when Sources of concern are in transit, overdue, or amassed in a given geographic area. Gaps Addressed: Based on the alternatives analysis and risk assessment, this investment will address mission gaps regarding timely tracking of Sources and will make data readily accessible to concerned agencies. Without this investment, these critical activities could not be achieved. In particular, current monitoring of Source data is limited to a periodic inventory submitted by NRC and Agreement State licensees who possess these materials. This interim database does not provide detailed tracking of Source shipments nor does it provide timely information regarding Source locations and is not readily accessible to all concerned agencies. Accomplishments: This investment is under development with approximately half of the software completed. An interim independent review has confirmed that the software is compliant with NRC requirements and structural standards.</p>
9. Did the Agency's Executive/Investment Committee approve this request?	yes
9.a. If "yes," what was the date of this approval?	2008-08-05-04:00
10. Did the Program/Project Manager review this Exhibit?	yes
11. Program/Project Manager Name:	Bristor (NSTS), Joel
Program/Project Manager Phone:	301-415-8037
Program/Project Manager Email:	JSB1@nrc.gov
11.a. What is the current FAC-P/PM certification level of the project/program manager?	Senior/Expert/DAWIA-Level 3
11.b. When was the Program/Project Manager Assigned?	2005-02-28-05:00
11.c. What date did the Program/Project Manager receive the FACP/PM certification? If the certification has not been issued, what is the anticipated date for certification?	2008-09-04-04:00
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?)								
When implemented, the NSTS will support the initiative for expanded E-Government by Web portal access to all system stakeholders. Licensees will be able to report transfers of nuclear materials, and licensing agencies such as the NRC, Agreement States, and DOE will be able to view and query summary data for their licensing domain.								
14. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)?								
yes								
14.a. If yes, does this investment address a weakness found during the PART review?								
no								
14.b. If yes, what is the name of the PARTed program?								
10002440 - Nuclear Materials Users Licensing and Inspection								
14.c. If yes, what rating did the PART receive?								
Effective								
15. Is this investment for information technology?								
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 2008 agency high risk report (per OMB memorandum M-05-23)?								
yes								
19. Is this a financial management system?								
no								
20. What is the percentage breakout for the total FY2010 funding request for the following? (This should total 100%)								
<table border="1"> <tr><td><b>Hardware</b></td><td>1</td></tr> <tr><td><b>Software</b></td><td>3</td></tr> <tr><td><b>Services</b></td><td>86</td></tr> <tr><td><b>Other</b></td><td>11</td></tr> </table>	<b>Hardware</b>	1	<b>Software</b>	3	<b>Services</b>	86	<b>Other</b>	11
<b>Hardware</b>	1							
<b>Software</b>	3							
<b>Services</b>	86							
<b>Other</b>	11							
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?								
yes								
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

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
	-2007	2008	2009	2010
<b>Planning Budgetary Resources</b>	0.000000	0.000000	0.000000	0.000000
<b>Acquisition Budgetary Resources</b>	8.384000	4.519000	2.049000	0.992000
<b>Maintenance Budgetary Resources</b>	0.000000	0.000000	2.659000	3.093000
<b>Government FTE Cost</b>	0.403000	0.168000	0.207000	0.197000
<b># of FTEs</b>	1	1	1	1

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?

no

3. If the summary of spending has changed from the FY2009 President's budget request, briefly explain those changes.

In late FY 2006, a mid-process NRC internal review identified concerns that emergent technologies could provide significantly improved security architecture for the NSTS. While allowing the development contractor to proceed with work not related to security controls, the NRC and development contractor conducted market research and examined security architecture alternatives. As a result of this effort, the NRC identified a security architecture that will provide appropriate Level 4 authentication that was not available at the time of NSTS contract award. As part of the security categorization assessment, per FIPS Publication 199/200, the NRC determined that the NSTS potential loss impact is high with regard to the objectives of confidentiality, integrity and availability. The NRC and NSTS development contractor have revised the integrated project schedule and are conducting cost negotiations prior to establishing a new baseline. Investigation and implementation of this revised security architecture will delay system deployment by about one year and increase contract costs.

**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 2xx, 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](http://www.egov.gov). The table can be extended to include performance measures for years beyond the next President's Budget.*

	<b>Fiscal Year</b>	<b>Strategic Goal Supported</b>	<b>Measurement Area</b>	<b>Measurement Grouping</b>	<b>Measurement Indicator</b>	<b>Baseline</b>	<b>Planned Improvement to the Baseline</b>	<b>Actual Results</b>
<b>1</b>	2006	Security	Customer Results	Integration	Percentage of U.S. nuclear materials licensees able to report possession and transfers of radiological sources via the Web-based NSTS - indicates potential for NSTS to improve timely reporting	No data available on reporting rate of possession of radiological sources	Conduct a pilot to demonstrate that U.S. nuclear materials licensee sites can report possession of radiological sources to support the initial NSTS data load	Completed pilot and demonstrated ability of U.S. nuclear materials licensee sites can report possession of radiological sources
<b>2</b>	2006	Organizational Excellence	Customer Results	Customer Impact or Burden	Percentage of U.S. nuclear materials licensees able to report possession and transfers of radiological sources via the Web-based NSTS - indicates potential for NSTS to improve timely reporting	No data available on reporting rate of possession of radiological sources	Conduct a pilot to demonstrate that U.S. nuclear materials licensee sites can report possession of radiological sources to support the initial NSTS data load	Completed pilot and demonstrated ability of U.S. nuclear materials licensee sites can report possession of radiological sources
<b>3</b>	2006	Security	Mission and Business Results	Catastrophic Defense	Time required to locate materials of concern through an on-line system such as the NSTS - provides baseline for future improvements to prompt implementation of actions, such as those needed in response to terrorist acts	No data available on reporting rate of possession of radiological sources	Conduct a pilot to demonstrate that U.S. nuclear materials licensee sites can report possession of radiological sources to support the initial NSTS data load	Completed pilot and demonstrated ability of U.S. nuclear materials licensee sites can report possession of radiological sources
<b>4</b>	2006	Organizational Excellence	Customer Results	Customer Impact or Burden	Time required to locate materials of concern through an on-line system such as the NSTS - provides baseline for future improvements to prompt implementation of actions, such as those needed in response to terrorist acts	No data available on reporting rate of possession of radiological sources	Conduct a pilot to demonstrate that U.S. nuclear materials licensee sites can report possession of radiological sources to support the initial NSTS data load	Completed pilot and demonstrated ability of U.S. nuclear materials licensee sites can report possession of radiological sources

5	2007	Security	Mission and Business Results	Catastrophic Defense	Improvement in percentage of U.S. nuclear materials licensee sites able to report through the NSTS - provides ongoing monitoring of degree to which NSTS can affect timely data collection and reporting	Conduct a follow-up pilot to determine completeness of reporting during initial pilot	0% increase in reporting possession of radiological sources	Completed follow-up pilot and demonstrated insignificant gap in reporting from baseline.
6	2007	Organizational Excellence	Customer Results	Customer Impact or Burden	Improvement in percentage of U.S. nuclear materials licensee sites reporting that burden for reporting is less with NSTS versus alternative paper methods - provides ongoing monitoring of need for process improvements	Conduct a follow-up pilot to determine completeness of reporting during initial pilot	0% increase in reporting possession of radiological sources	Completed follow-up pilot and demonstrated insignificant gap in reporting from baseline.
7	2007	Security	Mission and Business Results	Catastrophic Defense	Improvement in time required to reflect updated regulations through the NSTS - provides ongoing monitoring of improvement in timely implementation of changes to regulations, such as those needed in response to terrorist acts	Conduct a follow-up pilot to determine completeness of reporting during initial pilot	0% increase in reporting possession of radiological sources	Completed follow-up pilot and demonstrated insignificant gap in reporting from baseline.
8	2007	Organizational Excellence	Customer Results	Customer Impact or Burden	Improvement in time required to reflect updated regulations through the NSTS - provides ongoing monitoring of improvement in timely implementation of changes to regulations, such as those needed in response to terrorist acts	Conduct a follow-up pilot to determine completeness of reporting during initial pilot	0% increase in reporting possession of radiological sources	Completed follow-up pilot and demonstrated insignificant gap in reporting from baseline.
9	2008	Security	Mission and Business Results	Catastrophic Defense	Improvement in comprehensive reporting detail, without aggregation (one report for device containing multiple sources	Conduct final pilot to demonstrate ability to obtain data from licensees possessing lower sensitivity materials as indicated under International Atomic Energy Agency Category 3.	No change in reporting from prior licensee community and 90% reporting from the expanded licensee community.	Pending

<b>10</b>	2008	Organizational Excellence	Customer Results	Customer Impact or Burden	Improvement in comprehensive reporting detail, without aggregation (one report for device containing multiple sources	Conduct final pilot to demonstrate ability to obtain data from licensees possessing lower sensitivity materials as indicated under International Atomic Energy Agency Category 3.	No change in reporting from prior licensee community and 90% reporting from the expanded licensee community.	Pending
<b>11</b>	2008	Security	Mission and Business Results	Catastrophic Defense	Improvement in comprehensive reporting detail, without aggregation (one report for device containing multiple sources	Conduct final pilot to demonstrate ability to obtain data from licensees possessing lower sensitivity materials as indicated under International Atomic Energy Agency Category 3.	No change in reporting from prior licensee community and 90% reporting from the expanded licensee community.	Pending
<b>12</b>	2008	Organizational Excellence	Customer Results	Customer Impact or Burden	Improvement in comprehensive reporting detail, without aggregation (one report for device containing multiple sources	Conduct final pilot to demonstrate ability to obtain data from licensees possessing lower sensitivity materials as indicated under International Atomic Energy Agency Category 3.	No change in reporting from prior licensee community and 90% reporting from the expanded licensee community.	Pending
<b>13</b>	2009	Security	Processes and Activities	Policies	Improvement in percentage of U.S. nuclear materials licensee sites able to report through the NSTS - provides ongoing monitoring of degree to which NSTS can affect timely data collection and reporting	0% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus alternative paper methods.	10% of U.S. nuclear materials licensee sites are reporting possession and transfer of radiological sources via the Web-based NSTS	Pending
<b>14</b>	2009	Organizational Excellence	Customer Results	Customer Impact or Burden	Improvement in percentage of U.S. nuclear materials licensee sites reporting that burden for reporting is less with NSTS versus alternative paper methods - provides ongoing monitoring of need for process improvements	0% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus	6% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus alternative paper methods.	Pending

						alternative paper methods.		
15	2009	Security	Mission and Business Results	Catastrophic Defense	Improvement in time required to reflect updated regulations through the NSTS - provides ongoing monitoring of improvement in timely implementation of changes to regulations, such as those needed in response to terrorist acts	The NSTS is updated within 7 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	The NSTS is updated within 5 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	Pending
16	2009	Organizational Excellence	Technology	Service Availability	Improvement in NSTS system up time - provides ongoing monitoring of system availability in support of timely reporting of source tracking information	NSTS available 90% of the time during scheduled and published hours of operation	NSTS available 95% of the time during scheduled and published hours of operation	Pending
17	2010	Security	Processes and Activities	Policies	Improvement in percentage of U.S. nuclear materials licensee sites able to report through the NSTS - provides ongoing monitoring of degree to which NSTS can affect timely data collection and reporting	10% of U.S. nuclear materials licensee sites are reporting possession and transfer of radiological sources via the Web-based NSTS	50% of U.S. nuclear materials licensee sites are reporting possession and transfer of radiological sources via the Web-based NSTS	Pending
18	2010	Organizational Excellence	Customer Results	Customer Impact or Burden	Improvement in percentage of U.S. nuclear materials licensee sites reporting that burden for reporting is less with NSTS versus alternative paper methods - provides ongoing monitoring of need for process improvements	6% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus alternative paper methods.	35% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus alternative paper methods.	Pending
19	2010	Security	Mission and Business Results	Catastrophic Defense	Improvement in time required to reflect updated regulations through the NSTS - provides ongoing monitoring of improvement in timely implementation of changes to regulations, such as those needed in response to terrorist acts	The NSTS is updated within 5 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	The NSTS is updated within 3 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	Pending

<b>20</b>	2010	Organizational Excellence	Technology	Service Availability	Improvement in NSTS system up time - provides ongoing monitoring of system availability in support of timely reporting of source tracking information	NSTS available 95% of the time during scheduled and published hours of operation	NSTS available 99% of the time during scheduled and published hours of operation	Pending
<b>21</b>	2011	Security	Processes and Activities	Policies	Improvement in percentage of U.S. nuclear materials licensee sites able to report through the NSTS - provides ongoing monitoring of degree to which NSTS can affect timely data collection and reporting	50% of U.S. nuclear materials licensee sites are reporting possession and transfer of radiological sources via the Web-based NSTS	80% of U.S. nuclear materials licensee sites are reporting possession and transfer of radiological sources via the Web-based NSTS	Pending
<b>22</b>	2011	Organizational Excellence	Customer Results	Customer Impact or Burden	Improvement in percentage of U.S. nuclear materials licensee sites reporting that burden for reporting is less with NSTS versus alternative paper methods - provides ongoing monitoring of need for process improvements	35% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus alternative paper methods.	55% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus alternative paper methods.	Pending
<b>23</b>	2011	Security	Mission and Business Results	Catastrophic Defense	Improvement in time required to reflect updated regulations through the NSTS - provides ongoing monitoring of improvement in timely implementation of changes to regulations, such as those needed in response to terrorist acts	The NSTS is updated within 3 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	The NSTS is updated within 2 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	Pending
<b>24</b>	2011	Organizational Excellence	Technology	Service Availability	Improvement in NSTS system up time - provides ongoing monitoring of system availability in support of timely reporting of source tracking information	NSTS available 99% of the time during scheduled and published hours of operation	NSTS available 99% of the time during scheduled and published hours of operation	Pending
<b>25</b>	2012	Security	Processes and Activities	Policies	Improvement in percentage of U.S. nuclear materials licensee sites able to report through the NSTS - provides ongoing	80% of U.S. nuclear materials licensee sites are reporting possession and transfer of	85% of U.S. nuclear materials licensee sites are reporting possession and transfer of radiological	Pending

					monitoring of degree to which NSTS can affect timely data collection and reporting	radiological sources via the Web-based NSTS	sources via the Web-based NSTS	
<b>26</b>	2012	Organizational Excellence	Customer Results	Customer Impact or Burden	Improvement in percentage of U.S. nuclear materials licensee sites reporting that burden for reporting is less with NSTS versus alternative paper methods - provides ongoing monitoring of need for process improvements	55% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus alternative paper methods.	60% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus alternative paper methods.	Pending
<b>27</b>	2012	Security	Mission and Business Results	Catastrophic Defense	Improvement in time required to reflect updated regulations through the NSTS - provides ongoing monitoring of improvement in timely implementation of changes to regulations, such as those needed in response to terrorist acts	The NSTS is updated within 2 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	The NSTS is updated within 2 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	Pending
<b>28</b>	2012	Organizational Excellence	Technology	Service Availability	Improvement in NSTS system up time - provides ongoing monitoring of system availability in support of timely reporting of source tracking information	NSTS available 99% of the time during scheduled and published hours of operation	NSTS available 99% of the time during scheduled and published hours of operation	Pending
<b>29</b>	2013	Security	Processes and Activities	Policies	Improvement in percentage of U.S. nuclear materials licensee sites able to report through the NSTS - provides ongoing monitoring of degree to which NSTS can affect timely data collection and reporting	85% of U.S. nuclear materials licensee sites are reporting possession and transfer of radiological sources via the Web-based NSTS	87% of U.S. nuclear materials licensee sites are reporting possession and transfer of radiological sources via the Web-based NSTS	Pending
<b>30</b>	2013	Organizational Excellence	Customer Results	Customer Impact or Burden	Improvement in percentage of U.S. nuclear materials licensee sites reporting that burden for reporting is less with NSTS versus alternative paper methods - provides ongoing	60% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological	65% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus	Pending

					monitoring of need for process improvements	sources is less with NSTS versus alternative paper methods.	alternative paper methods.	
<b>31</b>	2013	Security	Mission and Business Results	Catastrophic Defense	Improvement in time required to reflect updated regulations through the NSTS - provides ongoing monitoring of improvement in timely implementation of changes to regulations, such as those needed in response to terrorist acts	The NSTS is updated within 2 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	The NSTS is updated within 2 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	Pending
<b>32</b>	2013	Organizational Excellence	Technology	Service Availability	Improvement in NSTS system up time - provides ongoing monitoring of system availability in support of timely reporting of source tracking information	NSTS available 99% of the time during scheduled and published hours of operation	NSTS available 99% of the time during scheduled and published hours of operation	Pending
<b>33</b>	2014	Security	Processes and Activities	Policies	Improvement in percentage of U.S. nuclear materials licensee sites able to report through the NSTS - provides ongoing monitoring of degree to which NSTS can affect timely data collection and reporting	87% of U.S. nuclear materials licensee sites are reporting possession and transfer of radiological sources via the Web-based NSTS	88% of U.S. nuclear materials licensee sites are reporting possession and transfer of radiological sources via the Web-based NSTS	Pending
<b>34</b>	2014	Organizational Excellence	Customer Results	Customer Impact or Burden	Improvement in percentage of U.S. nuclear materials licensee sites reporting that burden for reporting is less with NSTS versus alternative paper methods - provides ongoing monitoring of need for process improvements	65% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus alternative paper methods.	70% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus alternative paper methods.	Pending
<b>35</b>	2014	Disabled: Security_8	Mission and Business Results	Catastrophic Defense	Improvement in time required to reflect updated regulations through the NSTS - provides ongoing monitoring of improvement in timely implementation of changes to regulations, such	The NSTS is updated within 2 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	The NSTS is updated within 2 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	Pending

					as those needed in response to terrorist acts			
<b>36</b>	2014	Organizational Excellence	Technology	Service Availability	Improvement in NSTS system up time - provides ongoing monitoring of system availability in support of timely reporting of source tracking information	NSTS available 99% of the time during scheduled and published hours of operation	NSTS available 99% of the time during scheduled and published hours of operation	Pending
<b>37</b>	2015	Security	Processes and Activities	Policies	Improvement in percentage of U.S. nuclear materials licensee sites able to report through the NSTS - provides ongoing monitoring of degree to which NSTS can affect timely data collection and reporting	88% of U.S. nuclear materials licensee sites are reporting possession and transfer of radiological sources via the Web-based NSTS	89% of U.S. nuclear materials licensee sites are reporting possession and transfer of radiological sources via the Web-based NSTS	Pending
<b>38</b>	2015	Organizational Excellence	Customer Results	Customer Impact or Burden	Improvement in percentage of U.S. nuclear materials licensee sites reporting that burden for reporting is less with NSTS versus alternative paper methods - provides ongoing monitoring of need for process improvements	70% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus alternative paper methods.	75% of U.S. nuclear materials licensee sites reporting that the regulatory burden for reporting the possession and transfer of radiological sources is less with NSTS versus alternative paper methods.	Pending
<b>39</b>	2015	Security	Mission and Business Results	Catastrophic Defense	Improvement in time required to reflect updated regulations through the NSTS - provides ongoing monitoring of improvement in timely implementation of changes to regulations, such as those needed in response to terrorist acts	The NSTS is updated within 2 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	The NSTS is updated within 2 days of approval of new regulations or policies affecting the possession and transfer of radiological sources.	Pending
<b>40</b>	2015	Organizational Excellence	Technology	Service Availability	Improvement in NSTS system up time - provides ongoing monitoring of system availability in support of timely reporting of source tracking information	NSTS available 99% of the time during scheduled and published hours of operation	NSTS available 99% of the time during scheduled and published hours of operation	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.

**National Source Tracking System**

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

no

3.a. If yes, provide the six digit code corresponding to the agency segment architecture. The segment architecture codes are maintained by the agency Chief Architect.

021-000

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.*

	<b>Agency Component Name</b>	<b>Agency Component Description</b>	<b>Service Type</b>	<b>Component</b>	<b>Reused Component Name</b>	<b>Reused UPI</b>	<b>Internal or External Reuse?</b>	<b>Funding %</b>
<b>1</b>	Process Tracking	Tracks the full life-cycle of radiological sources	Tracking and Workflow	Process Tracking			No Reuse	35
<b>2</b>	Online Help	Provides the ability for Licensees to request help on how to use the system	Customer Initiated Assistance	Online Help			No Reuse	2
<b>3</b>	Reservations/Registration	Provides the ability to indicate that radiological sources have been transferred or received	Customer Initiated Assistance	Reservations / Registration			No Reuse	10
<b>4</b>	Alerts and Notifications	Upon login, the Licensee may see alerts that the system generates that apply to that licensee	Customer Preferences	Alerts and Notifications			No Reuse	5
<b>5</b>	Case Management	Generates alerts of various events and tracks them within the system	Tracking and Workflow	Case Management			No Reuse	5
<b>6</b>	Information Retrieval	Enables users to retrieve applicable information based on security roles	Knowledge Management	Information Retrieval			No Reuse	8

7	Information Sharing	NSTS supports multi-user environments to share NRC information	Knowledge Management	Information Sharing		No Reuse	2
8	Ad Hoc	NSTS provides ad-hoc reporting	Reporting	Ad Hoc		No Reuse	2
9	Standardized / Canned	NSTS provides standardized reports	Reporting	Standardized / Canned		No Reuse	4
10	Data Exchange	NSTS supports the exchange of data between multiple systems	Data Management	Data Exchange		No Reuse	2
11	Data Integration	NSTS supports the integration of data from multiple systems	Development and Integration	Data Integration		No Reuse	2
12	Identification and Authentication	NSTS requires a user to identify themselves in order to gain access to the system	Security Management	Identification and Authentication		No Reuse	5
13	Access Control	NSTS controls access to the system	Security Management	Access Control		No Reuse	4
14	Cyptography	NSTS supports the encoding of data for security purposes	Security Management	Cryptography		No Reuse	4
15	Query	NSTS provides complete search and retrieval services	Search	Query		No Reuse	10

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.

	<b>SRM Component</b>	<b>Service Area</b>	<b>Service Category</b>	<b>Service Standard</b>	<b>Service Specification (i.e., vendor and product name)</b>
1	Alerts and Notifications	Service Platform and Infrastructure	Delivery Servers	Application Servers	
2	Online Help	Service Platform and Infrastructure	Delivery Servers	Web Servers	
3	Reservations / Registration	Service Platform and Infrastructure	Database / Storage	Database	
4	Process Tracking	Service Platform and Infrastructure	Database / Storage	Database	
5	Case Management	Service Access and Delivery	Service Transport	Supporting Network Services	

<b>6</b>	<i>Information Retrieval</i>	<i>Service Access and Delivery</i>	<i>Service Transport</i>	<i>Supporting Network Services</i>	
<b>7</b>	<i>Information Sharing</i>	<i>Service Platform and Infrastructure</i>	<i>Database / Storage</i>	<i>Database</i>	
<b>8</b>	<i>Ad Hoc</i>	<i>Component Framework</i>	<i>User Presentation / Interface</i>	<i>Dynamic Server-Side Display</i>	
<b>9</b>	<i>Standardized / Canned</i>	<i>Service Platform and Infrastructure</i>	<i>Delivery Servers</i>	<i>Application Servers</i>	
<b>10</b>	<i>Data Exchange</i>	<i>Service Platform and Infrastructure</i>	<i>Delivery Servers</i>	<i>Application Servers</i>	
<b>11</b>	<i>Data Integration</i>	<i>Service Platform and Infrastructure</i>	<i>Database / Storage</i>	<i>Database</i>	
<b>12</b>	<i>Identification and Authentication</i>	<i>Component Framework</i>	<i>Security</i>	<i>Certificates / Digital Signatures</i>	
<b>13</b>	<i>Access Control</i>	<i>Service Platform and Infrastructure</i>	<i>Support Platforms</i>	<i>Dependent Platform</i>	
<b>14</b>	<i>Cryptography</i>	<i>Component Framework</i>	<i>Security</i>	<i>Supporting Security Services</i>	
<b>15</b>	<i>Query</i>	<i>Component Framework</i>	<i>Business Logic</i>	<i>Platform Dependent Technologies</i>	

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

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?*

2008-06-16

*1.b. Has the Risk Management Plan been significantly changed since last year's submission to OMB?*

no

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

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

Investment risks are reflected through added costs in independent contractor reviews and compliance with an iterative development process. This iterative approach provides frequent product reviews to ensure early identification of any variance from NRC requirements. The added cost of packaging products for multiple reviews and the cost of independent verification and validation contractors and added NRC expert reviews is returned in ongoing assurance of true versus perceived progress. In performing reviews, particular emphasis is given to areas identified in the NRC agency plan of action & milestones (risk list).

**COST & SCHEDULE**

1. Does the earned value management system meet the criteria in ANSI/EIA Standard 748?

yes

2. Is the CV% or SV% greater than  $\pm 10\%$ ?

no

3. Has the investment re-baselined during the past fiscal year?

yes

3.a. If yes, when was it approved by the agency head?

2007-10-15

Generated by Primavera ProSight