

Exhibit 300 (BY2009)

PART ONE

OVERVIEW

1. Date of Submission:	2005-09-07
2. Agency:	429
3. Bureau:	00
4. Name of this Capital Asset:	Licensing Support Network (LSN)
5. Unique Project Identifier:	429-00-01-04-01-4000-00
6. What kind of investment will this be in FY2009? Operations and Maintenance	
7. What was the first budget year this investment was submitted to OMB? FY2003	
8. Provide a brief summary and justification for this investment, including a brief description of how this closes in part or in whole an identified agency performance gap. The mission goals this investment supports are regulation of the nation's civilian use of nuclear materials and disposal of nuclear materials and waste, ensuring adequate protection of public health and safety, promoting the common defense and security, and protecting the environment. Strategic objectives from the NRC's FY 2004-2009 Strategic Plan (NUREG-1614, Vol. 3) that directly relate to LSN include: 1) ensuring openness of regulatory processes by enhancing awareness of NRC's independent role in protecting public health and safety and the environment, and, providing a fair and timely process for public involvement in NRC decision-making by providing an effective means to make such documents available to the public; 2) enhancing agency effectiveness by using state-of-the-art methods and risk insights to improve the effectiveness of NRC actions by ensuring timely regulatory decisions; 3) improving efficiency by the expanded use of electronic government strategies that make it easier for NRC employees to acquire, access, and use information needed to perform their work, and provide external stakeholders the ability to access the agency's publicly available information more easily and effectively. LSN is a dependable and publicly accessible document retrieval system (www.lsnnet.gov) that replaces the classic "discovery" exchanges among parties to the adjudicatory proceedings for the Yucca Mountain repository licensing with web access to documentary materials prior to the docketing of a license application. The LSN automates the discovery process in the Yucca Mountain licensing proceeding and is unique to the case being heard. The LSN facilitates a thorough technical review of relevant High Level Waste proceeding documentary material and it ensures equitable access to the information necessary for parties to prepare their cases. It will be used in conjunction with the Digital Data Management System that organizes documents and hearing operations inside the courtroom environment. The LSN benefit is removal of time-consuming document exchanges from the critical path during licensing. This positions NRC to meet Section 114 (d) of the Nuclear Waste Policy Act of 1982 (NWPA) which requires issuance of a final decision on the construction authorization for the Yucca Mountain repository within three years.	
9. Did the Agency's Executive/Investment Committee approve this request?	

yes

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

2007-08-29

10. Did the Project Manager review this Exhibit?

yes

11. Project Manager Name:

Schmit (LSN), Matt

Project Manager Phone:

301-415-7469

Project Manager Email:

mrs3@nrc.gov

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

Senior/Expert-level

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?)

Because all the information will be available on-line to both hearing participants and the public via web portal, it will make the discovery portion of the hearing more transparent. Additionally, instead of exchanging documents in paper form (typical discovery), participants in the hearing put them on-line and the LSN spiders and indexes them for searching. This will reduce government operating costs associated with copying and distributing the 3.5 million documents that are currently available.

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?

Spent Fuel Storage and Transportation 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 2007 agency high risk report (per OMB memorandum M-05-23)?

no

19. Is this a financial management system?

no

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

Hardware	13
Software	0
Services	87
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?

yes

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

Name

Sandra Northern

Phone Number

301-415-6879

Title

Privacy Program 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

	PY-1 & Earlier	PY	CY
	-2006	2007	2008
Planning Budgetary Resources		0.000	0.000
Acquisition Budgetary Resources		4.368	0.000
Maintenance Budgetary Resources		4.437	1.332
Government FTE Cost		2.626	0.531
# of FTEs		23	3

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

PERFORMANCE

In order to successfully address this area of the exhibit 300, performance goals must be provided for the agency and be linked to the annual performance plan. The investment must discuss the agency's mission and strategic goals, and performance measures (indicators) must be provided. These goals need to map to the gap in the agency's strategic goals and objectives this investment is designed to fill. They are the internal and external performance benefits this investment is expected to deliver to the agency (e.g., improve efficiency by 60 percent, increase citizen participation by 300 percent a year to achieve an overall citizen participation rate of 75 percent by FY 2xxx, etc.). The goals must be clearly measurable investment outcomes, and if applicable, investment outputs. They do not include the completion date of the module, milestones, or investment, or general goals, such as, significant, better, improved that do not have a quantitative measure. Agencies must use the following table to report performance goals and measures for the major investment and use the Federal Enterprise Architecture (FEA) Performance Reference Model (PRM). Map all Measurement Indicators to the corresponding Measurement Area and Measurement Grouping identified in the PRM. There should be at least one Measurement Indicator for each of the four different Measurement Areas (for each fiscal year). The PRM is available at www.egov.gov. The table can be extended to include performance measures for years beyond FY 2009.

Fiscal Year	Strategic Goal Supported	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Result
1 2006	Effectiveness	Mission and Business Results	Judicial Hearings	Allow docketing of application 6 mos after certification of the document collection. Availability for discovery prior to docketing license	Complete Discovery in six months	Allow DOE to "docket" their application six months after certification	Delayed by DOE until 2008

				application moves discovery off critical path of Congressionally mandated 3-4 yr limit on the proceeding. Ensure ability to index minimum 20K documents per day to system.				
2	2006 Effectiveness	Customer Results	Service Efficiency	shortens time needed to load DOE's 3-4 million documents before certification that is prerequisite to docketing. Conduct 100% of document discovery electronically via internet access in order to reduce time and resources needed by parties to prepare for and effectively participate in proceeding.	20,000 documents that can be spidered (indexed) per day	30,000 documents "spidered" (indexing of participant WebPages) per day	30,000 documents that can be "spidered" (indexing of participant WebPages) per day	
3	2006 Effectiveness	Processes and Activities	Innovation and Improvement	needed by parties to prepare for and effectively participate in proceeding. Ensure less than 4 hours downtime against schedule. LSN availability ties	Currently 10% of the discovery is conducted electronically	Conduct 100% of the high-level waste hearing process electronically vice in paper.	Delayed by DOE until 2008	
4	2006 Effectiveness	Technology	Availability	availability ties	99.4% uptime for subscribers of the LSN system	100% uptime for subscribers of the LSN system during	100% uptime for subscriber of the LSN system during business hour (6am to 9pm	

				directly to achieving hearing in 3-4 yr		business hours (6am to 9pm EST).	EST).
5	2007 Effectiveness	Mission and Business Results	Judicial Hearings	Congressionally mandated timeframe. Each day LSN is unavailable, another day is added to the hearing schedule. Allow docketing of application 6 mos after certification of the document collection. Availability for discovery prior to docketing license application moves discovery off critical path of Congressionally mandated 3-4 yr limit on the proceeding. Ensure ability to index minimum 20K documents per day to system.	Complete Discovery in six months	Allow DOE to "docket" their application six months after certification	Delayed by DOE until 2008
6	2007 Effectiveness	Customer Results	Service Efficiency	Sustained indexing capacity shortens time needed to load DOE's 3-4 million documents before	20,000 documents that can be spidered (indexed) per day	30,000 documents that can be "spidered" (indexing of participant WebPages) per day	20,000 documents being spidered daily. Approximately 3.5 million documents have been spidered and currently available. As the total collection has increased the

			certification that is prerequisite to docketing.		process is taking longer and we have not reached our target.	
7	2007 Effectiveness	Processes and Activities	Innovation and Improvement	Conduct 100% of document discovery electronically via internet access in order to reduce time and resources needed by parties to prepare for and effectively participate in proceeding. Ensure less than 4 hours downtime against schedule. LSN availability ties directly to achieving hearing in 3-4 yr Congressionally mandated timeframe. Each day LSN is unavailable, another day is added to the hearing schedule. Complete collection certification process for all parties. Availability for discovery prior to docketing	Currently 10% of the discovery is conducted electronically	Conduct 100% of the high-level waste hearing process electronically vice in paper.
8	2007 Effectiveness	Technology	Availability	99.4% uptime for subscribers of the LSN system	100% uptime for subscribers of the LSN system during business hours (6am to 9pm EST).	
9	2008 Effectiveness	Mission and Business Results	Judicial Hearings	This is a first of a time case therefore no baseline has been established.	Conduct discover using 100% electronic via in paper. Pending	

102008	Effectiveness	Customer Results	Service Efficiency	<p>license application moves discovery off critical path of Congressionally mandated 3-4 yr limit on the proceeding. Ensure ability to index minimum 20K documents per day to system. Sustained indexing capacity shortens time needed to load DOE's 3-4 million documents before certification that is prerequisite to docketing.</p>	<p>20,000 documents that can be spidered (indexed) per day</p>	<p>30,000 documents that can be "spidered" (indexing of participant WebPages) per day</p>	Pending
112008	Effectiveness	Processes and Activities	Innovation and Improvement	<p>Conduct 100% of document discovery electronically via internet access in order to reduce time and resources needed by parties to prepare for and effectively participate in proceeding.</p>	<p>Currently 10% of the discovery is conducted electronically</p>	<p>Conduct 100% of the high-level waste hearing process electronically vice in paper.</p>	Pending
122008	Effectiveness	Technology	Availability	<p>Ensure less than 4 hours downtime against schedule. LSN</p>	<p>99.4% uptime for subscribers of the LSN system</p>	<p>100% uptime for subscribers of the LSN system</p>	Pending

132009	Effectiveness	Mission and Business Results	Judicial Hearings	<p>availability ties directly to achieving hearing in 3-4 yr</p> <p>Congressionally mandated timeframe.</p> <p>Each day LSN is unavailable, another day is added to the hearing schedule.</p> <p>Allow participant collections to be available to others throughout proceedings.</p> <p>Non-availability adds day-for-day to duration of proceedings. Continued availability shortens proceedings needed to grant license.</p> <p>Ensure ability to index minimum 20K documents per day to system.</p> <p>Sustained indexing capacity shortens time needed to load DOE's 3-4 million documents before</p>	<p>This is a first of a time case therefore no baseline has been established.</p> <p>3.5 Million documents have been indexed</p>	<p>during business hours (6am to 9pm EST).</p> <p>Allow LSN participants to maintain certification of their document collections throughout the three year hearing.</p> <p>Capacity of 4.2 million documents.</p>	Pending
142009	Effectiveness	Customer Results	Service Efficiency	<p>Sustained indexing capacity shortens time needed to load DOE's 3-4 million documents before</p>	<p>3.5 Million documents have been indexed</p>	<p>Capacity of 4.2 million documents.</p>	Pending

152009	Effectiveness	Processes and Activities	Innovation and Improvement	<p>certification that is prerequisite to docketing. Conduct 100% of document discovery electronically via internet access in order to reduce time and resources needed by parties to prepare for and effectively participate in proceeding. Ensure less than 4 hours downtime against schedule. LSN availability ties directly to achieving hearing in 3-4 yr</p>	<p>Currently 10% of the discovery is conducted electronically</p>	<p>Conduct 100% of the high-level waste hearing process electronically vice in paper.</p>	Pending
162009	Effectiveness	Technology	Availability	<p>LSN availability of the LSN system mandated timeframe. Each day LSN is unavailable, another day is added to the hearing schedule.</p>	<p>99.4% uptime for subscribers of the LSN system</p>	<p>100% uptime for subscribers of the LSN system during business hours (6am to 9pm EST).</p>	Pending
172010	Effectiveness	Mission and Business Results	Judicial Hearings	<p>Allow participant collections to be available to other parties throughout proceeding. Non-availability</p>	<p>This is a first of a time case therefore no baseline has been established.</p>	<p>Allow LSN participants to maintain certification of their document collections throughout the three year</p>	Pending

				adds day-for-day duration to proceeding. Continued availability shortens proceeding needed to grant license. Provide capacity of 4.5 million documents. Documents must be available for case preparation and submission as exhibits in order to meet 3-4 yr proceeding time limit. Conduct 100% of document discovery electronically via internet access in order to reduce time and resources needed by parties to prepare for and effectively participate in proceeding.		hearing.	
182010	Effectiveness	Customer Results	Service Efficiency		3.5 Million documents have been indexed	Capacity of 4.5 million documents.	Pending
192010	Effectiveness	Processes and Activities	Innovation and Improvement		Currently 10% of the discovery is conducted electronically	Conduct 100% of the high-level waste hearing process electronically vice in paper.	Pending
202010	Effectiveness	Technology	Availability		99.4% uptime for subscribers of the LSN system	100% uptime for subscribers of the LSN system during business hours (6am to 9pm EST).	Pending
				Ensure less than 4 hours downtime against schedule. LSN availability ties directly to achieving hearing in 3-4	99.4% uptime for subscribers of the LSN system		

21	2011 Effectiveness	Mission and Business Results	Judicial Hearings	<p>yr Congressionally mandated timeframe. Each day LSN is unavailable, another day is added to the hearing schedule. Allow participant collections to be available to other parties throughout proceeding. Non-availability adds day-for-day duration to proceeding. Continued availability shortens proceeding needed to grant license.</p>	<p>This is a first of a time case therefore no baseline has been established.</p>	<p>Allow LSN participants to maintain certification of their document collections throughout the three year hearing.</p>	Pending
22	2011 Effectiveness	Customer Results	Service Efficiency	<p>Capacity of 5 million documents. Conduct 100% of document discovery electronically via internet access in order to reduce time and resources needed by parties to prepare for and effectively participate in proceeding.</p>	<p>3.5 Million documents have been indexed</p>	<p>Capacity of 5 million documents.</p>	Pending
23	2011 Effectiveness	Processes and Activities	Innovation and Improvement	<p>Conduct 100% of document discovery electronically via internet access in order to reduce time and resources needed by parties to prepare for and effectively participate in proceeding.</p>	<p>Currently 10% of the discovery is conducted electronically</p>	<p>Conduct 100% of the high-level waste hearing process electronically vice in paper.</p>	Pending

<p>242011 EffectivenessTechnology Availability</p>	<p>Ensure less than 4 hours downtime against schedule. LSN availability ties directly to achieving 99.4% uptime for hearing in 3-4 yr Congressionally mandated timeframe. Each day LSN is unavailable, another day is added to the hearing schedule.</p>	<p>100% uptime for subscribers of the LSN system during business hours (6am to 9pm EST).</p>	<p>Pending</p>
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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.

Licensing Support Network

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

no

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

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

Reused Name and UPI: A reused component is one being funded by another investment, but being used by this investment. Rather than answer yes or no, identify the reused service component funded by the other investment and identify the other investment using the

Unique Project Identifier (UPI) code from the OMB Ex 300 or Ex 53 submission.
 Internal or External Reuse?: Internal reuse is within an agency. For example, one agency within a department is reusing a service component provided by another agency within the same department. External reuse is one agency within a department reusing a service component provided by another agency in another department. A good example of this is an E-Gov initiative service being reused by multiple organizations across the federal government.

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

Agency Component Name	Agency Component Description	Service Type	Component	Reused Component Name	Reused UPI	Internal External Reuse?	Funding %
1	Licensing Support Network	LSN allows users to access information	Knowledge Management	Information Retrieval	Access Control	No Reuse	20
2	Licensing Support Network	LSN provides for redirection to related content	Document Management	Document Referencing		No Reuse	5
3	Licensing Support Network	LSN supports the rapid retrieval of documents through a structured numbering construct	Document Management	Indexing		No Reuse	10
4	Licensing Support Network	LSN supports the categorization of documents related to the HLW proceedings	Document Management	Classification		No Reuse	5
5	Licensing Support Network	LSN supports the identification of specific content held by participants	Content Management	Tagging and Aggregation		No Reuse	5

		in the HLW proceedings LSN support the creation and maintenance of relationships between data entities LSN supports the use of documents and data by multiple users LSN facilitates collection of data and information LSN distributes information to the system users LSN supports the maintenance of the data that describes data throughout NRC LSN supports the organization of data from multiple agencies into a single source LSN controls access to the system LSN supports retrieval of					
6	Licensing Support Network		Knowledge Management	Information Mapping / Taxonomy	No Reuse	5	
7	Licensing Support Network		Knowledge Management	Information Sharing	No Reuse	5	
8	Licensing Support Network		Knowledge Management	Knowledge Capture	No Reuse	5	
9	Licensing Support Network		Knowledge Management	Information Sharing	No Reuse	5	
10	Licensing Support Network		Data Management	Meta Data Management	No Reuse	5	
11	Licensing Support Network		Development and Integration	Data Integration	No Reuse	5	
12	Licensing Support Network		Security Management	Access Control	No Reuse	5	
13	Licensing Support		Search	Query	No Reuse	20	

Network records that satisfy specific query selection criteria

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

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

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

	SRM Component	Service Area	Service Category	Service Standard	Service Specification (i.e., vendor and product name)
1	Tagging and Aggregation	Service Platform and Infrastructure	Database / Storage	Database	MS SQL Server 2000
2	Document Referencing	Service Platform and Infrastructure	Database / Storage	Database	MS SQL Server 2000
3	Indexing	Service Platform and Infrastructure	Delivery Servers	Application Servers	Autonomy 4.5.9
4	Classification	Service Platform and Infrastructure	Database / Storage	Database	MS SQL Server 2000
5	Information Retrieval	Service Platform and Infrastructure	Delivery Servers	Application Servers	Autonomy IDOL Sever 4.5.9
6	Information Mapping / Taxonomy	Service Platform and Infrastructure	Delivery Servers	Application Servers	Autonomy IDOL Sever 4.5.9
7	Information Sharing	Service Platform and Infrastructure	Delivery Servers	Application Servers	Autonomy IDOL Server 4.5.9
8	Knowledge Capture	Service Platform and Infrastructure	Database / Storage	Database	MS SQL Server
9	Knowledge Distribution and Delivery	Service Platform and Infrastructure	Delivery Servers	Web Servers	MS Internet Information Server 5
10	Meta Data Management	Service Platform and Infrastructure	Database / Storage	Database	MS SQL Server 2000
11	Data Integration	Service Platform and Infrastructure	Database / Storage	Database	MS SQL Server 2000
12	Access Control	Service Platform and Infrastructure	Support Platforms	Platform Dependent	MS Server 2003
13	Query	Service Platform	Delivery	Application	Compaq/HP ML 570,

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

no

PART THREE

RISK

You should perform a risk assessment during the early planning and initial concept phase of the investment's life-cycle, develop a risk-adjusted life-cycle cost estimate and a plan to eliminate, mitigate or manage risk, and be actively managing risk throughout the investment's life-cycle.

Answer the following questions to describe how you are managing investment risks.

1. Does the investment have a Risk Management Plan?

yes

1.a. If yes, what is the date of the plan?

2006-10-31

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

no

COST & SCHEDULE

1. Was operational analysis conducted?

yes

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

2007-09-30

What were the results of your operational analysis?

The LSN Maintenance and Operations is on schedule, performing within specifications, and has less than a 5% budget variation (planned versus actual). The LSN was developed to allow users equitable access to high-level waste hearing data. By doing this, parties will develop more focused contentions allowing the NRC to meet the three year hearing goal. In support of the system's effectiveness for the discovery process, data inproprieties were discovered in data posted on the system. Subsequently, the following quote was from the Platt's publication Inside The NRC. "DOE contractor Bechtel SAIC Co. (BSC) found the alleged inproprieties during a review of documents and e-mails to be posted on the LSN, prompting some to claim that demonstrated the system worked." To date 15 parties (government and interest groups) have been successfully integrated. 3.5 million document have been indexed by the system and are available to participants and the public for searching. The first step in the high-level waste hearing (per 10 CFR 2) is DOE's "certification" that all of it's documentary material has been loaded on the LSN. Because DOE has successfully loaded approximately 3.5 million document, certification is now estimated for September 2007. In addition, because other participants (e.g., state and local governement and interest groups) have successfully loaded their documents on the LSN, they can be granted "party" status to participate in the hearing (per 10 CFR 2).

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