

## Exhibit 300 (BY2008)

## PART ONE

## OVERVIEW

<b>1. Date of Submission:</b>	2005-09-07
<b>2. Agency:</b>	429
<b>3. Bureau:</b>	00
<b>4. Investment Name:</b>	Licensing Support Network (LSN)
<b>5. UPI:</b>	429-00-01-04-01-4000-00
<b>6. What kind of investment will this be in FY2008?</b>	Operations and Maintenance
<b>7. What was the first budget year this investment was submitted to OMB?</b>	FY2003
<b>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.</b>	<p>The goal of this funding is to reduce the time needed for the HLW licensing hearing thus providing the Commission the necessary tools to meet the congressionally mandated three-year decision time frame. Section 114 (d) of the Nuclear Waste Policy Act of 1982 (NWPA) requires the NRC to issue a final decision approving or disapproving issuance of the construction authorization for a mined geologic repository to store high-level radioactive waste at Yucca Mountain, NV, within three years of the Department of Energy (DOE's) license application. The NRC expects to accomplish this by replacing the classic "discovery" exchanges among parties with electronic access, via the Licensing Support Network, to discovery materials prior to the docketing of a license application. The LSN is a critical tool - for the HLW proceeding - to ensure that document access, and the associated hearing agenda, can all be handled in an expeditious manner. The LSN is codified in 10 C.F.R. Part 2, Subpart J. Since the original rule - establishing a centralized dial-up Licensing Support System (LSS) - was promulgated in 1989, there has been extensive interaction with the parties and potential parties to the proceeding under the auspices of the LSS; and later the LSN Advisory Review Panel (LSNARP), a federal advisory committee chartered to provide advice and guidance on the design and operation of the system. The LSN fosters the NRC's ability to protect public health and safety with respect to a license decision on the HLW repository by: * facilitating the NRC's compliance with the mandated three-year schedule for a decision on the repository construction authorization * providing an electronic environment that facilitates a thorough technical review of relevant HLW proceeding documentary material * ensuring equitable access to the information for the parties to the hearing. Per 10 CFR Part 2, Subpart J, DOE documents must be available via the LSN six months before the license application (currently scheduled for early CY 2008) for the repository is submitted to the NRC. Subsequent to the DOE documents being available, the NRC and other potential parties (State of Nevada, local counties, Nuclear Energy Institute, etc.) are to make their documents available. A number of potential parties to the proceeding commenced making documents available via the LSN in January 2003.</p>
<b>9. Did the Agency's Executive/Investment Committee approve this request?</b>	yes
<b>9.a. If "yes," what was the date of this approval?</b>	2000-06-29
<b>10. Did the Project Manager review this Exhibit?</b>	yes
<b>11. Project Manager Name:</b>	Schmit, Matt
<b>Project Manager Phone:</b>	301-415-7469
<b>Project Manager Email:</b>	mrs3@nrc.gov
<b>12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project.</b>	no
<b>12.a. Will this investment include electronic assets (including computers)?</b>	yes
<b>12.b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)</b>	no

12.b.3. If yes, is it designed to be 30% more energy efficient than relevant code?

yes

If yes, select the initiatives that apply:

Expanded E-Government

13.a. Briefly describe how this asset directly supports the identified initiative(s)?

The high-level radioactive waste hearing is expected to be the largest administrative hearing on record. The goal (congressional mandate) is to complete the hearing within three years. This investment will leverage Internet-based technology to enhance citizen access and complete the discovery portion of the hearing. Instead of exchanging documents in paper form, participants in the hearing put them on-line and the LSN spiders and indexes them. Over 3.5 million documents have been indexed.

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

no

15. Is this investment for information technology (See section 53 for definition)?

yes

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

Level 3

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

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

18. Is this investment identified as high risk on the Q4 - FY 2006 agency high risk report (per OMB's high risk memo)?

no

19. Is this a financial management system?

no

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

<b>Hardware</b>	0
<b>Software</b>	13
<b>Services</b>	87
<b>Other</b>	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

### SUMMARY OF SPEND

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

All amounts represent Budget Authority

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

	PY-1 & Earlier	PY	CY
	-2005	2006	2007
<b>Planning Budgetary Resources</b>	0.000	0.000	0.000
<b>Acquisition Budgetary Resources</b>	4.368	0.000	0.000
<b>Maintenance Budgetary Resources</b>	3.109	1.332	1.332
<b>Government FTE Cost</b>	1.370	0.405	0.411
<b># of FTEs</b>	4	3	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

<b>PERFORMANCE</b>
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*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 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 Table 1 below for reporting performance goals and measures for all non-IT investments and for existing IT investments that were initiated prior to FY 2005. The table can be extended to include measures for years beyond FY 2006.*

Table 1

	<b>Fiscal Year</b>	<b>Strategic Goal(s) Supported</b>	<b>Performance Measure</b>	<b>Actual/baseline (from Previous Year)</b>	<b>Planned Performance Metric (Target)</b>	<b>Performance Metric Results (Actual)</b>
1	2003	Nuclear Waste Safety: LSN directly supports the Nuclear Waste Safety Strategic Goal - Prevent adverse impacts from radioactive waste to the current and future public health and safety and the environment, and promote common defense and security.	LSN will be made easily and readily accessible to the parties involved in the HLW proceedings	LSN and electronic discovery materials available 99% of scheduled up-time.	LSN will be accessible to the parties involved in the HLW proceedings 99% of the scheduled up-time	LSN is currently meeting the 99% availability of scheduled up-time.
2	2004	NRC Corporate Management Strategy 1: Employ innovative and sound business practices. NRC Corporate Management Strategy 3: Provide proactive information management and information technology services.	LSN to integrate new versions and maintain currency of technology.	Currently the LSN is leveraging Autonomy version 3	Integrate Autonomy 4 into the LSN in Fiscal Year 04.	Autonomy 4 integrated in Fiscal Year 04
3	2004	NRC Corporate Management Strategy 1: Employ innovative and sound business practices. NRC Corporate Management Strategy 3: Provide proactive information management and information technology services.	To test LSN for electronic capacity and verify LSN's ability to index a voluminous amount of discovery documents	Discovery process before NRC proceeding is a manual paper-based process	To load test the LSN, load 500,000 test DOE documents on the LSN development system in Fiscal Year 04	Approximately 175,000 documents were loaded in Fiscal Year 04
4	2004	NRC Corporate Management Strategy 1: Employ innovative and sound business practices. NRC Corporate Management Strategy 3: Provide proactive information management and information technology services.	To load HLW repository participant documents in a timely manner	Discovery process before NRC proceeding is a manual paper-based process	Index a maximum of 20,000-30,000 documents per day into the LSN as made available by participants	30,000 documents have been indexed in one day.
5	2004	NRC Corporate Management Strategy 3: Provide proactive information management and information technology services.	Integrate participants as they make their document web sites available to the LSN.	Discovery process before this system was a manual paper-based process	Three (3) additional participants at a minimum will be integrated into the LSN in Fiscal Year 04.	An additional 5 participants were integrated in Fiscal Year 04.
6	2004	NRC Corporate Management Strategy 1: Employ innovative and sound business practices. NRC Corporate Management Strategy 3: Provide proactive information management and information technology services.	LSN will be made easily accessible to the parties involved in the HLW proceedings to allow for efficient use of resources and allow for increased time savings	HLW repository will be the largest proceeding the NRC has performed to date. The system is expected to allow NRC to meet the congressional-mandate for decision within a three-time frame once the proceedings begin.	Not more than 11 calendar days added to the three year licensing process due to system non-availability	DOE recently delayed the hearing to 2008. Therefore, this performance goal will be moved to 2008.

7	2005	NRC Corporate Management Strategy 1: Employ innovative and sound business practices. NRC Corporate Management Strategy 3: Provide proactive information management and information technology services.	To test LSN for electronic capacity and verify LSN's ability to index a voluminous amount of discovery documents	Discovery process before NRC proceeding is a manual paper-based process	To load test the LSN, load 500,000 test DOE documents on the LSN development system in Fiscal Year 04	Approximately 1.2 Million documents were loaded in Fiscal Year 04
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All new IT investments initiated for FY 2005 and beyond must use Table 2 and are required to use the FEA Performance Reference Model (PRM). Please use Table 2 and the PRM to identify the performance information pertaining to this major IT investment. Map all Measurement Indicators to the corresponding "Measurement Area" and "Measurement Grouping" identified in the PRM. There should be at least one Measurement Indicator for at least four different Measurement Areas (for each fiscal year). The PRM is available at [www.egov.gov](http://www.egov.gov).

Table 2

	Fiscal Year	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
1	2006	Mission and Business Results	Judicial Hearings	Judicial Hearings	LSN is unavailable < 4 hours in one day	LSN is unavailable 0 hours in one day	LSN is unavailable 0 hours in one day
2	2006	Customer Results	Service Efficiency	Service Efficiency	20,000 documents that can be "spidered" (indexing of participant WebPages) per day	30,000 documents that can be "spidered" (indexing of participant WebPages) per day	30,000 documents that can be "spidered" (indexing of participant WebPages) per day
3	2006	Processes and Activities	Innovation and Improvement	Innovation and Improvement	100% of HLW hearings discovery processes are paper based process.	98% of HLW hearings discovery processes are paper based process.	98% of HLW hearings discovery processes are paper based process.
4	2006	Technology	Availability	Availability	99.4% uptime for subscribers of the LSN system	100% uptime for subscribers of the LSN system	100% uptime for subscribers of the LSN system
5	2007	Mission and Business Results	Judicial Hearings	Judicial Hearings	LSN is unavailable 0 hours in one day	Maintain LSN availability for judicial hearing 24 hours each day	Pending
6	2007	Customer Results	Service Efficiency	Service Efficiency	3.4 Million Documents have been indexed	3.6 Million Documents indexed	Pending
7	2007	Processes and Activities	Innovation and Improvement	Innovation and Improvement	98% of HLW hearings discovery processes are paper based process.	80% of HLW hearings discovery processes are paper based process.	Pending
8	2007	Technology	Availability	Availability	Maintain 100% uptime for subscribers of the LSN system	Maintain 100% uptime for subscribers of the LSN system	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.

#### Licensing Support Network

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

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

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

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

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

	Agency Component Name	Agency Component Description	Service Type	Component	Reused Component Name	Reused UPI	Internal or External Reuse?	Funding %
1	Digital Asset Services	LSN supports the identification of specific content held by participants in the HLW proceedings	Content Management	Tagging and Aggregation			No Reuse	0
2	Digital Asset Services	LSN provides for redirection to related content	Document Management	Document Referencing			No Reuse	0
3	Digital Asset Services	LSN supports the rapid retrieval of documents through a structured numbering construct	Document Management	Indexing			No Reuse	0
4	Digital Asset Services	LSN supports the categorization of documents related to the HLW proceedings	Document Management	Classification			No Reuse	0
5	Digital Asset Services	LSN allows users to access information	Knowledge Management	Information Retrieval			No Reuse	0
6	Digital Asset Services	LSN support the creation and maintenance of relationships between data entities	Knowledge Management	Information Mapping / Taxonomy			No Reuse	0
7	Digital Asset Services	LSN supports the use of documents and data by multiple users	Knowledge Management	Information Sharing			No Reuse	0
8	Digital Asset Services	LSN facilitates collection of data and information	Knowledge Management	Knowledge Capture			No Reuse	0
9	Digital Asset Services	LSN distributes information to the system users	Knowledge Management	Knowledge Distribution and Delivery			No Reuse	0
10	Digital Asset Services	LSN supports the interaction of information and process rules between users of documents	Knowledge Management	Smart Documents			No Reuse	0

11	Back Office Services	LSN supports the maintenance of the data that describes data throughout NRC	Data Management	Meta Data Management			No Reuse	0
12	Back Office Services	LSN supports the organization of data from multiple agencies into a single source	Development and Integration	Data Integration			No Reuse	0
13	Back Office Services	LSN supports the creation of both graphical and process application software	Development and Integration	Software Development			No Reuse	0
14	Support Services	LSN controls access to the system	Security Management	Access Control			No Reuse	0
15	Support Services	LSN supports retrieval of records that satisfy specific query selection criteria	Search	Query			No Reuse	0

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

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

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

	SRM Component	Service Area	Service Category	Service Standard	Service Specification (i.e., vendor and product name)
1	Tagging and Aggregation	Service Platform and Infrastructure	Database / Storage	Database	MS SQL Server
2	Document Referencing	Service Platform and Infrastructure	Database / Storage	Database	MS SQL Server
3	Indexing	Service Platform and Infrastructure	Delivery Servers	Application Servers	Autonomy
4	Classification	Service Platform and Infrastructure	Database / Storage	Database	MS SQL Server
5	Information Retrieval	Service Platform and Infrastructure	Delivery Servers	Application Servers	Autonomy
6	Information Mapping / Taxonomy	Service Platform and Infrastructure	Delivery Servers	Application Servers	Autonomy
7	Information Sharing	Service Platform and Infrastructure	Delivery Servers	Application Servers	Autonomy
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	Internet Information Server
10	Meta Data Management	Service Platform and Infrastructure	Database / Storage	Database	MS SQL Server
11	Data Integration	Service Platform and Infrastructure	Database / Storage	Database	MS SQL Server
12	Software Development	Component Framework	Business Logic	Platform Dependent	IBM Cobol
13	Access Control	Service Platform and Infrastructure	Support Platforms	Platform Dependent	MS Server 2003
14	Query	Service Platform and Infrastructure	Delivery Servers	Application Servers	Autonomy

5. Will the application leverage existing components and/or applications across the Government (i.e., FirstGov, Pay.Gov, etc)?
no
6. Does this investment provide the public with access to a government automated information system?
yes
6.a. If yes, does customer access require specific software (e.g., a specific web browser version)?
no

**PART THREE**

<b>RISK</b>
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*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?*

2005-09-23

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

no

<b>COST &amp; SCHEDULE</b>
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1. Was operational analysis conducted?
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yes
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1.a. If yes, provide the date the analysis was completed.
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2006-06-14
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What were the results of your operational analysis?
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The LSN Maintenance and Operations is on schedule, performing within specifications, and has less than a 5% budget variation (planned versus actual).
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