

## MSHA - Information Processing - MSHA Standardized Information System (MSIS)

### Exhibit 300: Capital Asset Plan and Business Case Summary

#### Part I: Summary Information and Justification (All Capital Assets)

##### Section A: Overview (All Capital Assets)

Date of Submission	9/11/2006
Agency	Department of Labor
Bureau	Mine Safety and Health Administration
Name of this Capital Asset	MSHA - Information Processing - MSHA Standardized Information System (MSIS)
OMB Investment Type	01 - Major Investment
What kind of investment will this be in this Budget Year?	Mixed Life Cycle

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 MSHA Standardized Information System (MSIS) constitutes MSHA's core management information system. It provides the critical support for executing MSHA's mission of enforcing the requirements of the Mine Act (1977), 30 CFR and the MINER Act (2006). With over 12,000 users, MSIS forms the backbone of MSHA's Target Enterprise Architecture (EA). MSIS aligns with the Workforce Management Line of Business, Worker Safety sub-function, in the FEA.

Initiated in 1999, MSIS was created to provide an enterprise-wide framework for consolidating and modernizing several legacy IT systems and to accommodate expansion to support new functionality. MSIS is a web-based application with an integrated database structure. Use of this "umbrella" enterprise application has closed performance gaps caused by inefficient, stove-piped, legacy systems and resulted in greater efficiency, interoperability, functionality, and effectiveness in achieving business objectives. This integrated platform also produces economies of scale and simplifies maintenance, resulting in cost savings. The end result is improved data collection, data timeliness and accuracy, dissemination, reporting, and management support. All of these support MSHA's mission of protecting the safety and health of our Nation's miners.

Many specific benefits have been realized as a result of the MSIS investment. For example, under the MSIS investment, MSHA has developed and implemented a Web portal which supports electronic filing of forms, electronic submission of requests, data searches, and other e-Government services. MSIS has modernized and consolidated legacy systems supporting mine accident investigations, coal mine plan approvals and requests for modifications, hazardous condition complaints, coal and metal/nonmetal management information systems, national dam inventory, and more. MSIS has enabled MSHA to decommission a Honeywell mainframe application, resulting in cost avoidance in FY 2006.

The MSIS project continues to meet its cost and schedule requirements as documented in monthly Earned Value Management reports which are submitted to the Department of Labor (DOL) for review. MSIS also continues to meet its performance requirements as documented in ongoing Capital Planning Control Reviews conducted by DOL's Office of the Chief Information Officer. MSIS provides a robust platform for MSHA's continued progress toward its Target EA and achievement of its mission.

Did the Agency's Executive/Investment Committee approve this request? Yes

If "yes," what was the date of this approval?	6/29/2006
Did the Project Manager review this Exhibit?	Yes
Has the agency developed and/or promoted cost effective, energy efficient and environmentally sustainable techniques or practices for this project.	Yes
Will this investment include electronic assets (including computers)?	Yes
Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)	
If "yes," is an ESPC or UESC being used to help fund this investment?	No
If "yes," will this investment meet sustainable design principles?	Yes
If "yes," is it designed to be 30% more energy efficient than relevant code?	
Does this investment directly support one of the PMA initiatives?	Yes
If "yes," check all of the PMA initiatives that apply:	Expanded E-Government
Is this investment for information technology?	Yes
Briefly describe how this asset directly supports the identified initiative(s)?	MSIS incorporates E-gov practices including the use of Commercial off the shelf (COTS) products and technology in an industry standard DOL-compliant Enterprise Architecture. This approach maximizes performance, scalability, interoperability, security and return on investment. The approach also facilitates positioning MSHA to provide web services to both other government agencies and private industry. As well, MSIS is architected to take advantage of web services of other agencies as well

For information technology investments only:

If the answer to Question, "Is this investment for information technology?" was "Yes," complete this sub-section. If the answer is "No," do not answer this sub-section.

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
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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
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Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval?	No
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### Section B: Summary of Spending (All Capital Assets)

Provide the total estimated life-cycle cost for this investment by completing the following table. All amounts represent budget authority in millions, and are rounded to three decimal places. Federal

personnel costs should be included only in the row designated "Government FTE Cost," and should be excluded from the amounts shown for "Planning," "Full Acquisition," and "Operation/Maintenance." The "TOTAL" estimated annual cost of the investment is the sum of costs for "Planning," "Full Acquisition," and "Operation/Maintenance." For Federal buildings and facilities, life-cycle costs should include long term energy, environmental, decommissioning, and/or restoration costs. The costs associated with the entire life-cycle of the investment should be included in this report.

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

	PY - 1 and Earlier	PY 2006	CY 2007	BY 2008
Total Budgetary Resources	19.845	2.964	4.527	3.583

**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.**

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

*Sensitive Data*

\*\*\* SENSITIVE DATA: This information was omitted completely \*\*\*

**Section D: Performance Information (All Capital Assets)**

*Sensitive Data*

\*\*\* SENSITIVE DATA: This information was omitted completely \*\*\*

**Section E: Security and Privacy (IT Capital Assets Only)**

*Sensitive Data*

\*\*\* SENSITIVE DATA: This information was omitted completely \*\*\*

**Section F: Enterprise Architecture (EA) (IT Capital Assets Only)**

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.

Is this investment included in your agency's target enterprise architecture? Yes

If "no," please explain why this investment is not included in your agency's target enterprise architecture?

Is this investment included in the agency's EA Transition Strategy? Yes

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

Yes

If "yes," please describe.

Pay.gov: Current plans call for relying on the Department of Treasury's Pay.gov for accepting payment from mine operators for assessed violations. This is being explored by analysts to determine requirements and feasibility. This implementation would constitute an enhancement to the MSIS system.

eAuthenticaltion and identity verification: Plans call for using eAuthentication and exploring the opportunity for using the services provided by GSA and the Social Security Administration for identity verification of users accessing MSHA's e-Gov interface. This will be critical for success in implementing a reengineered application wherein miners can submit qualification and certification data directly to MSHA.

The feasibility of relying on the Department of Labor financial services system, LEAP (under development currently), is also being evaluated. This would be used to manage the standard financial functions associated with penalty assessments.

Does this investment provide the public with access to a government automated information system? Yes

If "yes," does customer access require specific software (e.g., a specific web browser version)? Yes

If "yes," provide the specific product name(s) and version number(s) of the required software and the date when the public will be able to access this investment by any software (i.e. to ensure equitable and timely access of government information and services). Microsoft Internet Explorer v5.5 or higher

## Part II: Planning, Acquisition and Performance Information

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

### Section A: Alternatives Analysis (All Capital Assets)

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

Did you conduct an alternatives analysis for this project? Yes

### Section B: Risk Management (All Capital Assets)

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

Does the investment have a Risk Management Plan? Yes

What is the date of the risk management plan? 2/26/2006

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

### *Sensitive Data*

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