I.A.: OVERVIEW BY09

Descriptive Information BY09

Template Name	BY2009
Investment Name	MSHA - Information Processing - MSHA Standardized Information System (MSIS)
Investment Revision Number	10
Is this investment a consolidated business case?	No
Point of Contact	
Revision Comment	
Date of Submission	9/10/2007
Agency	Department of Labor
Bureau	Mine Safety and Health Administration
Name of this Capital Asset	MSHA - Information Processing - MSHA Standardized Information System (MSIS)
Exhibit 53 Part	IT Investments by Mission Area
OMB Investment Type	01 - Major Investment
OMB Exhibit 53 Major Mission Area	Safe and Secure Workplaces
What kind of investment will this be in this Budget Year?	Mixed Life Cycle
OMB Short Description	MSIS is a Web-enabled database application providing mission critical support for enforcement, compliance assistance, and training activities required to achieve MSHA's mission and to execute requirements of the Mine Act-1977, 30 CFR & MINER Act-2006.

Screening Questions BY09

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 $1.5 million of 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?	7/6/2007
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)	No
If "yes," is an ESPC or UESC being used to help fund this investment?	
If "yes," will this investment meet sustainable design principles?	
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 positions MSHA to provide web services & applications to both other government agencies and private industry. As well, MSIS is architected to take advantage of web services of other agencies provide.

IT Screening Questions BY09

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
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
Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval?	No

I.B.: SUMMARY OF SPENDING BY09

Summary of Spending BY09

Provide the total estimated life-cycle cost for this investment by completing the following table. All amounts represent budget authority in thousands, 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.

	2001	2002	2003	2004	2005	2006	PY 2007	CY 2008	BY 2009
Planning									
Budgetary Resources	80	81	86	94	81	94	77	187	128
Acquisition									
Budgetary Resources	3692	3456	3639	3684	1947	2025	2461	3716	2776
Subtotal Planning & Acquisition									
Budgetary Resources	3772	3537	3725	3778	2028	2119	2538	3903	2904
Operations & Maintenance									
Budgetary Resources	0	529	557	614	704	845	789	1072	950
TOTAL									
Budgetary Resources	3772	4066	4282	4392	2732	2964	3327	4975	3854
Government FTE Costs									
Budgetary Resources	0	1640	1634	1193	1657	1224	1273	2280	2363
Planning									
Budgetary Resources	0	33	33	24	33	24	25	98	53
Acquisition									
Budgetary Resources	0	1394	1389	1014	1342	979	1031	1025	938
Maintenance									
Budgetary Resources	0	213	212	155	282	221	217	1157	1372

Full time Equivalents BY09

Use the following table to provide the number of Government Full Time Equivalents (FTE) represented by the Government FTE Costs in the Summary of Spending Table. Numbers should be entered in decimal format for each of the categories listed.

	2001	2002	2003	2004	2005	2006	PY 2007	CY 2008	BY 2009
Security	0.2	0.2	0.5	0.6	0.7	0.6	0.5	1	1
IT	5.45	14.3	17.5	15.35	14.6	13.95	13.8	17	17
Financial Management	0	0	0	0	0	0	0	0	0
Program Management	1.05	1.05	1.0	1.05	0.95	0.95	0.95	2	2
Other	0	0	0	0	0	0	0	0	0
Total*	6.70	15.55	19.0	17.00	16.25	15.50	15.25	20	20

I.C.: ACQUISITION/CONTRACT STRATEGY BY09

Sensitive Data

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

I.D.: PERFORMANCE INFORMATION BY09

Sensitive Data

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

I.E.: SECURITY AND PRIVACY BY09

Sensitive Data

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

I.F.: ENTERPRISE ARCHITECTURE (EA) BY09

General EA Questions BY09

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 the agency's EA Transition Strategy?

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). If so, please describe.

MSIS will levereage existing applications such as pay.gov and Business Gateway.

If "yes," please describe how the application will leverage existing components and/or applications across the Government.

Pay.gov: Current plans call for relying on the Department of Treasury's Pay.gov for accepting payment from mine operators and mine contractors for assessed violations.   This is being explored by analysts to determine requirements and feasibility. This implementation would constitute an enhancement to the MSIS system.   Other enhancements that are a prerequisite to using pay.gov are presently being implemented though pay.gov is still being evaluated.

eAuthenicaltion and identity verification: Plans call for using eAuthentication and exploring the opportunity for using the services provided by GSA 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 utilizing 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.   This system is currently still under development by DOL.

II.A.: ALTERNATIVES ANALYSIS BY09

Analysis Background BY09

Part II is completed only for investments identified as "Planning" or "Full Acquisition" or "Mixed Life-Cycle" investments in response to Part I above.

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

Did you conduct an alternatives analysis for this project?   Yes

II.B.: RISK MANAGEMENT BY09

Risk Management Plan BY09

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?	4/30/2007

II.C.: COST AND SCHEDULE PERFORMANCE BY09

Sensitive Data

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