

I.A.: OVERVIEW BY10

Descriptive Information BY10

Template Name	BY2010
Investment Name	MSHA - Information Processing - MSHA Standardized Information System (MSIS)
Investment Revision Number	15
Is this investment a consolidated business case?	No
Point of Contact	German, Ryan
Revision Comment	
Date of Submission	4/10/2009
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 BY10

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) forms MSHA's core management information system vital to MSHA's mission of executing the Mine Act (1977), 30 CFR and the 2006 MINER Act. The basis of MSHA's Target Enterprise Architecture (EA) for 12,000 users, MSIS aligns with the FEA Workforce Management Line of Business, Worker Safety sub-function.

MSIS, since 1999, provides an enterprise-wide framework, consolidating and modernizing legacy IT systems while supporting new development. Using a web-based front-end with an integrated database structure as an "umbrella" enterprise information system, MSIS closes performance gaps caused by inefficient, stove-piped systems and results in greater efficiency, interoperability, and functionality, achieving business objectives. This integrated platform produces economies of scale, simplifying maintenance resulting in cost savings, improved data collection, data timeliness and accuracy, improving dissemination, reporting, and management support, helping to protect the safety and health of our Nation's miners. Added functionality in FY08 delayed planned improvements, extending replacement for MAIES and TSSI through 2010.

With MSIS, MSHA developed and employed a Web portal to support electronic filing of forms and submission of requests, data searches, and other e-Government services. MSIS modernized/consolidated legacy systems supporting mine accident investigations, coal mine plan approvals & requests for modifications, hazardous condition complaints, coal and metal/nonmetal management information systems, & national dam inventory. MSIS enabled MSHA to replace Honeywell applications, resulting in \$1.5M annual savings since FY 2006.

MSIS continues to meet its cost/schedule goals as documented in monthly Earned Value Management reports submitted to the Department of Labor (DOL) and continues to meet performance requirements in Capital Planning Control Reviews conducted by DOL. MSIS provides a robust platform for MSHA's continued progress toward its Target EA.

The PARTed assessment of MSHA targeted compliance with the Federal Mine Safety and Health Act of 1977 and the Mine Improvement and New Emergency Response (MINER) Act of 2006, requiring modernization of mine safety practices and calling for the development of enhanced communication technology. Program action, MSIS, takes the form of deploying a new Web tool allowing mining companies to review their history and details of assessment breakdown.

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	Yes

or practices for this project.

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 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?)	MSIS adopted eGov practices in Commercial off the shelf (COTS) products and industry standard DOL-compliant Enterprise Architecture, maximizing performance, scalability, interoperability, security and ROI. The approach positions MSHA to offer web services & applications to other government agencies and private industry via shared facilities in PAY.gov (Treasury) and eAuthentication (GSA). MSIS is architected to take advantage of web services of other agencies and priv. industry.

IT Screening Questions BY10

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.

In addition to the Project/Program Manager FAC-P/PM or DAWIA certification level, what project management qualifications does the Project Manager have? (per CIO Council 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 BY10

Summary of Spending BY10

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.

SUMMARY OF SPENDING FOR PROJECT STAGES * Costs in thousands

	2002 and Prior	2003	2004	2005	2006	2007	PY 2008	CY 2009	BY 2010
Planning									
Budgetary Resources	161	86	94	81	94	77	187	128	64
Acquisition									
Budgetary Resources	7148	3639	3684	1947	2025	2461	3716	2015	2263
Subtotal Planning & Acquisition									
Budgetary Resources	7309	3725	3778	2028	2119	2538	3903	2143	2327
Operations & Maintenance									
Budgetary Resources	529	557	614	704	845	789	1072	950	1604
TOTAL									
Budgetary Resources	7838	4282	4392	2732	2964	3327	4975	3093	3931
Government FTE Costs									
Budgetary Resources	1640	1634	1193	1657	1224	1273	2280	2363	2448
Planning									
Budgetary Resources	33	33	24	33	24	25	98	53	17
Acquisition									
Budgetary Resources	1394	1389	1014	1342	979	1031	1025	938	840
Maintenance									
Budgetary Resources	213	212	155	282	221	217	1157	1372	1591

Full time Equivalent BY10

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.

FTE Table

	2002 and Prior	2003	2004	2005	2006	2007	PY 2008	CY 2009	BY 2010
Security	0.4	0.5	0.6	0.7	0.6	0.5	1	1	1
IT	19.75	17.5	15.35	14.6	13.95	13.8	17	17	17
Financial Management	0	0	0	0	0	0	0	0	0
Program Management	2.10	1.0	1.05	0.95	0.95	0.95	2	2	2
Other	0	0	0	0	0	0	0	0	0
Total*	22.25	19.0	17.00	16.25	15.50	15.25	20	20	20

I.C.: ACQUISITION/CONTRACT STRATEGY BY10

Sensitive Data

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

I.D.: PERFORMANCE INFORMATION BY10

Sensitive Data

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I.E.: SECURITY AND PRIVACY BY10

Sensitive Data

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

I.F.: ENTERPRISE ARCHITECTURE (EA) BY10

General EA Questions BY10

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., USA.gov, Pay.Gov, etc)? Yes

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 the implementation utilizing pay.gov is still being planned.

eAuthentication 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, NCFMS, is also being evaluated. This would be used to manage the standard financial functions associated with penalty assessments. This system is currently under development by DOL.

II.A.: ALTERNATIVES ANALYSIS BY10

Analysis Background BY10

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 investment? Yes

II.B.: RISK MANAGEMENT BY10

Risk Management Plan BY10

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?	9/25/2008

II.C.: COST AND SCHEDULE PERFORMANCE BY10

Sensitive Data

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