DHS Exhibit 300 Public Release BY08 (Form) / S&T - Biological Warning and Incident Characterization System (BWIC) 2008
(Item)

Form Report, printed by: Administrator, System, **Feb 12, 2007**

OVERVIEW

General Information

1. Date of Submission:	Dec 23, 2005
2. Agency:	Department of Homeland Security
3. Bureau:	Science and Technology (S&T)
4. Name of this Capital Asset:	S&T - Biological Warning and Incident Characterization System (BWIC) 2008
Investment Portfolio:	S&T ORD Home 2008
5. Unique ID:	024-80-01-05-01-8003-00
(For IT investments only, see section 53. For all other, use agency ID system.)	

All investments

6. What kind of investment will this be in FY2008?

(Please NOTE: Investments moving to O&M ONLY in FY2008, with Planning/Acquisition activities prior to FY2008 should not select O&M. These investments should indicate their current status.)

Acquisition

7. What was the first budget year this investment was submitted to OMB?

FY2005

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 Biological Warning and Incident Characterization (BWIC) system is a DHS Science & Technology Directorate investment. BWIC supports DHS strategic goals of protection against and response to a biological event. The BWIC system will serve as an analysis tool for biological terrorism releases, enabling timely warning and response in the event of a biological event. This locally operated system integrates information obtained from environmental monitoring systems which seek to detect the agent directly; biosurveillance, which looks for early sign of the effects of agents on people and animals; and incident characterization tools which integrate the results of the biosurveillance and environmental monitoring information with meteorological data, plume hazard predictions, epidemiological forecasts and other models to estimate the extent of contamination and exposure resulting from a biological attack. The output of the BWIC system will include assessments of the estimated extent, scale, and timing of a biological attack, the types of additional data needed to better characterize the incident (e.g., guidance on where to collect environmental samples), and the possible range of incident outcomes. BWIC can also be used as a planning tool in local jurisdictions that need to prepare for and exercise potential incident scenarios.

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

Yes

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

Apr 20, 2005

10. Did the Project Manager review this Exhibit?

Yes

12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project.

No

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

12.b.1. If "yes," is an ESPC or UESC being used to help fund this investment?

12.b.2. If "yes," will this investment meet sustainable design principles?

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

13. Does this investment support one of the PMA initiatives?

Yes

If "yes," select the initiatives that apply:

Human Capital	
Budget Performance Integration	
Financial Performance	
Expanded E-Government	Yes
Competitive Sourcing	
Faith Based and Community	
Real Property Asset Management	
Eliminating Improper Payments	
Privatization of Military Housing	
R and D Investment Criteria	
Housing and Urban Development Management and Performance	
Broadening Health Insurance Coverage through State Initiatives	
Right Sized Overseas Presence	
Coordination of VA and DoD Programs and Systems	

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

BWIC will cover a significant percentage of the population in major cities. It creates an efficient IT infrastructure allowing government information sharing at all levels of governmental health organizations to help track and monitor biological incidents. It enables interoperability across agencies and programs; Optimizes infrastructure to enable collaboration across agencies, sectors; Creates efficiencies realized from investments will be recapitalized in support of agency missions.

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

No

14.a. If "yes," does this investment address a weakness found during the PART review?

14.b. If "yes," what is the name of the PART program assessed by OMB's Program Assessment Rating Tool?

14.c. If "yes," what PART rating did it receive?

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

Yes

For information technology investments only:

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)

(4) Project manager assigned but qualification status review has not yet started

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

19.a. If "yes," does this investment address a FFMIA compliance area?

19.a.1. If "yes," which compliance area:

19.a.2. If "no," what does it address?

Biological warning and characterization

19.b. If "yes," please identify the system name(s) and system acronym(s) as reported in the most recent financial systems inventory update required by Circular A–11 section 52.

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

Area	Percentage	
Hardware	10.00	
Software	60.00	
Services	30.00	
Other	0.00	
Total	100.00	⭐

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?

N/A

23. *Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval?*

No

SUMMARY OF FUNDING

SUMMARY OF SPENDING FOR PROJECT PHASES (In Millions)

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	BY
	-2005	2006	2007	2008
Planning:				
Budgetary Resources	8.000	0.200	0.400	0.400
Acquisition:				
Budgetary Resources	6.500	3.900	9.500	9.400
Subtotal:				
Budgetary Resources	14.500	4.100	9.900	9.800
Maintenance:				
Budgetary Resources	0.200	0.200	0.800	1.200
TOTAL, All Stages				
Budgetary Resources	14.700	4.300	10.700	11.000
Government FTE Cost	1.800	1.500	2.000	2.500
# of FTEs	0.00	0.00	0.00	0.00
Total, BR + FTE Cost	16.500	5.800	12.700	13.500

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

2.a. If "yes," how many and in what year?

3. If the summary of spending has changed from the FY2007 President's budget request, briefly explain those changes.