



DHS Exhibit 300 Public Release BY08 (Form) / DNDO - Cargo Advanced Automated Radiography System (CAARS) - Active Radiography Detection Systems (2008) (Item)

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

OVERVIEW

General Information

1. Date of Submission:	Aug 4, 2006
2. Agency:	Department of Homeland Security
3. Bureau:	Domestic Nuclear Detection Office (DNDO)
4. Name of this Capital Asset:	DNDO - Cargo Advanced Automated Radiography System (CAARS) - Active Radiography Detection Systems (2008)
Investment Portfolio:	DNDO Home Portfolio 2008
5. Unique ID:	N024-85-01-03-01-1951-00

(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.)
Planning
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 Cargo Advanced Automated Radiography Systems (CAARS) development program will deliver an advanced imaging system that will automatically detect high density material, detecting shielding that could be used to hide special nuclear material (SNM) and highly enriched uranium or weapons grade plutonium. The automated imaging processing technique developed through CAARS will improve throughput rates providing more effective scanning of a higher portion of cargo at the nation's ports of entry (POEs).
9. Did the Agency's Executive/Investment Committee approve this request?
Yes
9.a. If "yes," what was the date of this approval?
May 11, 2006
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.
Yes
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	Yes
Budget Performance Integration	Yes
Financial Performance	
Expanded E-Government	
Competitive Sourcing	Yes

Faith Based and Community	
Real Property Asset Management	
Eliminating Improper Payments	
Privatization of Military Housing	
R and D Investment Criteria	Yes
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)?

CAARS is next generation capable within 3 years of inception. The program provides nuclear detection systems for cargo screening while reducing manpower. The program will provide automatic identification of threat materials, without impacting commerce flow, with accuracy. The FAR will apply throughout the program. Cost, schedule and technical data for government and contractor will be established by EVM.

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)?

No

For information technology investments only:

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

Level 1

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?

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?

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	56.00	
Software	30.00	
Services	14.00	
Other		
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?

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	0.000	18.300	30.250	31.824
Acquisition:				
Budgetary Resources	0.000	0.000	0.000	10.709
Subtotal:				
Budgetary Resources	0.000	18.300	30.250	42.533
Maintenance:				
Budgetary Resources	0.000	0.000	0.000	0.000
TOTAL, All Stages				
Budgetary Resources	0.000	18.300	30.250	42.533
Government FTE Cost	0.000	0.000	0.312	0.486
# of FTEs	0.00	0.00	2.00	3.00
Total, BR + FTE Cost	0.000	18.300	30.562	43.019

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?

Yes

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

The following FTE increases are currently programmed in the FYHSP: 0.5 FTEs – FY2006; 1.0 FTEs – FY2007; 3.0 FTEs – FY2008

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