



DHS Exhibit 300 Public Release BY08 (Form) / TSA - FAMS Air to Ground Communications System and Tactical Information Sharing System (2008) (Item)

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

OVERVIEW

| General Information | |
|---|---|
| 1. Date of Submission: | Aug 30, 2006 |
| 2. Agency: | Department of Homeland Security |
| 3. Bureau: | Security, Enforcement and Investigations (SEI) |
| 4. Name of this Capital Asset: | TSA - FAMS Air to Ground Communications System and Tactical Information Sharing System (2008) |
| Investment Portfolio: | TSA Home Portfolio 2008 |
| 5. Unique ID: | 024-50-01-03-01-5630-00 |
| (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.) |
| Operations and Maintenance |
| 7. What was the first budget year this investment was submitted to OMB? |
| FY2004 |
| 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 Air-to-Ground Communication System (AGCS) is a comprehensive airborne communication system-of-systems (air-to-ground, ground-to-air, air-to-air and intra-cabin) that will meet the requirement to provide Federal Air Marshals (FAMs) and other law enforcement officers with discrete access to wireless voice/data communications and the ability to share information while in flight worldwide, enhancing aviation security and ensuring accomplishment of the Federal Air Marshal Service (FAMS) mission. The primary components of the AGCS are: 1. ground network infrastructure (hardware/software), 2. Commercial-off-the-shelf (COTS) personal electronic devices (PEDs), 3. the Tactical Information Sharing System (TISS), which allows efficient exchange/analysis of tactical information and 4. airborne communication links (through ground towers and/or satellites) that wirelessly connect PEDs onboard aircraft to the terrestrial communications infrastructure. The first three of these components are fully operational, and FAMs currently use these components daily for worldwide ground-ground wireless voice/data communications and tactical information sharing, using commercial terrestrial wireless services on a subscription basis. The airborne communications links necessary to extend this ground capability to aircraft while in flight comprise the only component of the AGCS that is not yet implemented. Upon full implementation of required air-to-ground link solutions, the AGCS will be complete. It is anticipated that the FAMS and other users will then be able to subscribe to commercial airborne wireless services as they currently subscribe to terrestrial wireless services. When all components of AGCS are implemented, the FAMS will continue to operate and maintain the ground-based AGCS infrastructure and TISS, which are in steady-state; and periodically replace FAMS PEDs in accordance with IT industry standard replacement schedules. The FAMS established a public/private interagency partnership to facilitate timely implementation of commercial solutions that will provide airborne wireless communications links that meet FAMS operational requirements. Members of this partnership include: the Departments of Homeland Security, Justice, Transportation, and Defense; the Federal Communications Commission; the Joint Planning and Development Office; and the aviation and wireless communication industries. |
| 9. Did the Agency's Executive/Investment Committee approve this request? |
| Yes |
| 9.a. If "yes," what was the date of this approval? |
| Sep 1, 2003 |
| 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 | |
| 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)?

The AGCS efficiently meets government/industry/public air-to-ground communications needs, minimizing redundancy and maximizing interoperability, extensibility and information sharing. Communication links are being implemented as a public/private partnership, which reduces costly gov't acquisition, operation and maintenance and makes this component publicly available through commercial wireless providers using COTS technology. TISS facilitates inter-agency law enforcement information-sharing.

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

Yes

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

No

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 1

17. What project management qualifications does the Project Manager have? (per CIO Council's PM Guidance)

(2) Project manager qualification is under review 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)?

Yes

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?

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 | 21.00 | |
| Software | 4.00 | |
| Services | 74.00 | |
| Other | 1.00 | |
| 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?*

Yes

| |
|---------------------------|
| 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 | 1.100 | 0.000 | 0.000 | 0.000 |
| Acquisition: | | | | |
| Budgetary Resources | 19.775 | 4.006 | 0.750 | 3.500 |
| Subtotal: | | | | |
| Budgetary Resources | 20.875 | 4.006 | 0.750 | 3.500 |
| Maintenance: | | | | |
| Budgetary Resources | 13.304 | 9.439 | 12.794 | 13.189 |
| TOTAL, All Stages | | | | |
| Budgetary Resources | 34.179 | 13.445 | 13.544 | 16.689 |
| Government FTE Cost | 6.331 | 2.764 | 2.825 | 3.058 |
| # of FTEs | 38.00 | 16.00 | 16.00 | 17.00 |
| Total, BR + FTE Cost | 40.510 | 16.209 | 16.369 | 19.747 |

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?

One new Federal Air Marshal (FAM) position (1 FTE), has been requested in the FY2008 budget to support the operations and maintenance of the Tactical Information Sharing System (TISS). This FTE will perform oversight/monitoring of the TISS image analysis enhancement that will be implemented in FY2008.

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

The FY2008 Summary of Spending reflects approximately \$5.000m fewer dollars in estimated funding resources for FY2008-FY2012 than portrayed in the FY2007 Summary of Spending. This is due to two factors:

a. The Integrated Project Management Team has been able to refine FY2008 and later requirements and make more precise cost estimates after analysis of usage during the initial year of deployment of the current COTS personal electronic devices (PEDs) used by Federal Air Marshals (FAMs) for ground-ground wireless voice/data communications and an increase in terrestrial wireless service availability.

b. The FY2007 Consolidated Summary of Spending reflected \$10.000m in earmarked no-year funds from the DHS Science and Technology (S&T) Directorate in FY2005 to be used for AGCS research and development (R&D). The Consolidated Summary of Spending table above includes this earmark but at the reduced amount of \$8.750m. This reduction is due to an S&T assessment of 12.5% in FY2005/FY2006 for Hurricane Katrina and R&D administrative costs.