



# DHS Exhibit 300 Public Release BY09 (Form) / TSA - FAMS Air to Ground Communications System and Tactical Information Sharing System (2009) (Item)

Form Report, printed by: Administrator, System, Mar 17, 2008

## OVERVIEW

### General Information

1. Date of Submission:	Sep 9, 2007
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 (2009)
5. Unique ID:	024-50-01-04-01-5630-00
(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 FY2009? (Please NOTE: Investments moving to O&M ONLY in FY2009, with Planning/Acquisition activities prior to FY2009 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. [LIMIT: 2500 char]
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?
Jan 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:

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

13.a. 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?)

The AGCS and TISS support information sharing and cross-agency collaboration elements of the e-Gov initiative. AGCS and TISS enable federal, state, and local law enforcement and other private and public transportation security stakeholders to securely and efficiently access tactical information related to transportation security. Sharing information across organizations supports case development, reduces redundancy of investigations, and promotes communication among law enforcement agencies.

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

No

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 rating did the PART 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 2

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 2007 agency high risk report (per OMB Memorandum M-05-23)

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: [LIMIT: 250 char]

19.a.2. If "no," what does it address? [LIMIT: 500 char]

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. [LIMIT: 2500 char]

20. What is the percentage breakout for the total FY2009 funding request for the following? (This should total 100%)

Area	Percentage	
Hardware	0.00	
Software	0.00	
Services	81.84	
Other	18.16	
<b>Total</b>	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

Question 24 must be answered by all Investments:

24. Does this investment directly support one of the GAO High Risk Areas?

No

**SUMMARY OF SPENDING**

**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
	-2006	2007	2008	2009
<b>Planning:</b>				
<b>Budgetary Resources</b>	1.100	0.000	0.000	0.000
<b>Acquisition:</b>				
<b>Budgetary Resources</b>	21.267	0.000	0.000	0.000
<b>TOTAL, sum of stages:</b>				
<b>Budgetary Resources</b>	22.367	0.000	0.000	0.000
<b>Maintenance:</b>				
<b>Budgetary Resources</b>	27.963	10.894	10.330	10.476
<b>TOTAL, All Stages</b>				
<b>Budgetary Resources</b>	50.330	10.894	10.330	10.476
<b>Government FTE Costs</b>	8.182	2.223	2.270	2.324
<b># of FTEs</b>	64.00	16.00	16.00	0.00
<b>Total, BR + FTE Cost</b>	58.512	13.117	12.600	12.800

Note: For the multi-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? [LIMIT: 500 char]

One new Federal Air Marshal (FAM) position (1 FTE), has been requested but not approved in the FY2009 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 is anticipated to be implemented in FY2009.

3. If the summary of spending has changed from the FY2008 President's budget request, briefly explain those changes. [LIMIT: 2500 char]