

## Exhibit 300 FY2010

### FAAXX724: Logical Access and Authorization Control Service (LAACS)

#### Part I: Summary Information And Justification (All Capital Assets)

Description: In Part I, complete Sections A, B, C, and D for all capital assets (IT and non-IT). Complete Sections E and F for IT capital assets.

#### I.A. Overview (All Capital Assets)

Description: The following series of questions are to be completed for all investments.

I.A.1. Date of Submission:	2008-07-18
I.A.2. Agency:	021
I.A.3. Bureau:	12
I.A.4. Name of this Capital Asset: Description: (Up to 250 characters)	FAAXX724: Logical Access and Authorization Control Service (LAACS)
I.A.5. Unique Project (Investment) Identifier: Description: For IT investment only, see section 53. For all other, use agency ID system.	021-12-03-00-01-4030-00
I.A.6. What kind of investment will this be in FY2010? Description: Please NOTE: Investments moving to O&M in FY2010, with Planning/Acquisition activities prior to FY2010 should not select O&M. These investments should indicate their current status.	Planning
I.A.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: Description: (Up to 2500 characters)	<p>LAACS project is still considered in the planning phase of it project life cycle, and this is a first time submission of an Exhibit 300 for the LAACS project. On 7/30/08 the FAA IT Executive Board authorized LAACS to proceed with the investment analysis (approving LAACS through milestone decision point – Investment Analysis Readiness Decision – IARD, see question I.A.9.a below) process in preparation for a JRC final investment decision (FID) in FY2009 to approve Segment 1. LAACS is the first enterprise-wide access control implementation utilizing an Identity Management System (IDMS). The goal of this investment is to address the gap or need to manage access mechanisms more efficiently and to meet current federal security guidelines as mandated by Homeland Security Presidential Directive-12. LAACS will protect the confidentiality, integrity, and availability of FAA data, privacy information, information systems, and information technology applications. One of the critical components of the system is user authentication based on pre-authorized roles and attribute based privileges. LAACS also provides an automated work flow provisioning to manage account setup, modifications, and de-activations in order to improve the efficiency and effectiveness of security and access controls. With the implementation of advanced commercial access control and identity management capabilities, the government will be able to expand government-to-business and government-to-citizen operations while protecting internal and external entity's intellectual property and privacy. LAACS will provide advanced automated security mechanisms for authenticating, authorizing, and auditing access to logical resources while supporting the DOT/FAA Flight Plan goals and Strategic Initiatives of Organizational Excellence and Security, Preparedness and Response. LAACS will include digital signature and encryption capabilities which allow FAA to meet FISMA and e-Gov requirements. LAACS initial scope is to implement an IDMS that meets current federal security guidelines as mandated by Homeland Security Presidential Directive-12.</p>
I.A.9. Did the Agency's Executive/Investment Committee approve this request?	yes
I.A.9.a. If "yes," what was the date of this approval?	2008-07-30
I.A.10. Did the Project Manager review this Exhibit?	yes
I.A.12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project?	yes
I.A.12.a. Will this investment include electronic assets (including computers)?	yes
I.A.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
I.A.12.b.1. If "yes," is an ESPC or UESC being used to help fund this investment?	
I.A.12.b.2. If "yes," will this investment meet sustainable design principles?	
I.A.12.b.3. If "yes," is it designed to be 30% more energy efficient than relevant code?	
I.A.13. Does this investment directly support any of the PMA initiatives?	no
I.A.13.a. If "yes," select all that apply:	
I.A.13.b. 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?) Description: (Up to 500 characters)	
I.A.14. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)? Description: (For more information about the PART, visit <a href="http://www.whitehouse.gov/omb/part">www.whitehouse.gov/omb/part</a> .)	no
I.A.14.a. If "yes," does this investment address a weakness found during a PART review?	
I.A.14.b. If "yes," what is the name of the PARTed program?	
I.A.14.c. If "yes," what rating did the PART receive?	
I.A.15. Is this investment for information technology?	yes
I.A.16 What is the level of the IT Project? (per CIO Council PM Guidance) Description: Level 1 - Projects with low-to-moderate complexity and risk. Example: Bureau-level project such as a stand-alone information system that has low- to-moderate complexity and risk. Level 2 - Projects with high complexity and/or risk which are critical to the mission of the organization. Examples: Projects that are part of a portfolio of projects/systems that impact each other and/or impact mission activities. Department-wide projects that impact cross-organizational missions, such as an agency-wide system integration that includes large scale Enterprise Resource Planning (e.g., the DoD Business Mgmt Modernization Program). Level 3 - Projects that have high complexity, and/or risk, and have government-wide impact. Examples: Government-wide initiative (E-GOV, President's Management Agenda). High interest projects with Congress, GAO, OMB, or the general public. Cross-cutting initiative (Homeland Security).	Level 3
I.A.17. In addition to the answer in 1.A.11.d, what project management qualifications does the Project Manager have? (per CIO Council PM Guidance)	(2) Project manager qualification is under review for this investment
I.A.18. Is this investment or any project(s) within this investment identified as "high risk" on the Q4-FY 2008 agency high risk report? (per OMB Memorandum M-05-23)	no
I.A.19. Is this a financial management system?	no
I.A.19.a. If "yes," does this investment address a FFMIA compliance area?	
I.A.19.a.1. If "yes," which compliance area: Description: (Up to 250 characters)	
I.A.19.a.2. If "no," what does it address? Description: (Up to 500 characters)	
I.A.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 Description: (Up to 2500 characters)	
I.A.20. What is the percentage breakout for the total FY2010 funding request for the following? Description: (This should total 100%)	
I.A.20.a. Hardware	2
I.A.20.b. Software	36
I.A.20.c. Services	55
I.A.20.d. Other	7
I.A.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?	no
I.A.23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval?	yes
I.A.24. Does this investment directly support one of the GAO High Risk Areas?	no

## I.B. Summary of Spending (All Capital Assets)

### I.B.1 Summary of Spending Table

Description: 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.

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.

I.B.1.a. Summary of Spending for Project Phases

	PY-1 and earlier	PY 2008	CY 2009	BY 2010
Planning	\$7.800	\$0.000	\$4.010	\$0.000
Acquisition	\$0.000	\$0.000	\$0.000	\$6.000
Subtotal Planning and Acquisition	\$7.800	\$0.000	\$4.010	\$6.000
Operations and Maintenance	\$0.000	\$0.000	\$0.000	\$5.333
TOTAL	\$7.800	\$0.000	\$4.010	\$11.333
Government FTE Costs	\$0.179	\$0.341	\$0.932	\$2.051

I.B.1.b. Summary of Spending for Project Phases (Government FTE Costs Only)

	PY-1 and earlier	PY 2008	CY 2009	BY 2010
Number of FTE represented by cost	2	2	5	12

I.B.2. Will this project require the agency to hire additional FTE's? no

I.B.2.a. If "yes," How many and in what year?

Description: (Up to 500 characters)

I.B.3. If the summary of spending has changed from the FY2009 President's budget request, briefly explain those changes:

Description: (Up to 2500 characters)

This is the first time the LAACS program has submitted and Exhibit 300 to OMB. The LAACS program is in the planning phase and this is a planning Exhibit 300. Therefore all costs and completion dates are estimates and subject to change as the program completes its investment analysis processes in preparation for the JRC Final Investment Decision in FY2009. Note: the FTEs identified in Budget Year 2014 (+) represent seven FTE/year for a period starting 2014 and ending 2026, the funding requirement for 13 years.

**I.D. Performance Information (All Capital Assets)**

I.D.1. Performance Information Table

Description: In order to successfully address this area of the exhibit 300, performance goals must be provided for the agency and be linked to the annual performance plan. The investment must discuss the agency's mission and strategic goals, and performance measures (indicators) must be provided. These goals need to map to the gap in the agency's strategic goals and objectives this investment is designed to fill. They are the internal and external performance benefits this investment is expected to deliver to the agency (e.g., improve efficiency by 60 percent, increase citizen participation by 300 percent a year to achieve an overall citizen participation rate of 75 percent by FY 2xxx, etc.). The goals must be clearly measurable investment outcomes, and if applicable, investment outputs. They do not include the completion date of the module, milestones, or investment, or general goals, such as, significant, better, improved that do not have a quantitative measure.

Agencies must use the following table to report performance goals and measures for the major investment and use the Federal Enterprise Architecture (FEA) Performance Reference Model (PRM). Map all Measurement Indicators to the corresponding "Measurement Area" and "Measurement Grouping" identified in the PRM. There should be at least one Measurement Indicator for each of the four different Measurement Areas (for each fiscal year). The PRM is available at [www.egov.gov](http://www.egov.gov). The table can be extended to include performance measures for years beyond the next President's Budget.

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Grouping	Measurement Indicator
2007	Organizational Excellence	Mission and Business Results	Information Security	Number of NIST 800-53 requirements met
2007	Organizational Excellence	Processes and Activities	Compliance	The number of NIST 800-53 access control requirements satisfied by implementing LAACS, not previously met.
2007	Organizational Excellence	Technology	Licensing Costs	Cost savings by consolidating licenses.
2007	Organizational Excellence	Processes and Activities	Efficiency	Average elapsed time to provision entitlement applications such as network logon and email from human resource notification.
2007	Organizational Excellence	Customer Results	Service Availability	Percentage of time LAACS is available.
2007	Organizational Excellence	Customer Results	Integration	Self Service Options Availability
2007	Organizational Excellence	Customer Results	Customer Satisfaction	Percentage of users who rate the LAACS data as excellent.
2008	Organizational Excellence	Mission and Business Results	Information Security	Number of NIST 800-53

				requirements met
2008	Organizational Excellence	Processes and Activities	Compliance	The number of NIST 800-53 access control requirements satisfied by implementing LAACS, not previously met.
2008	Organizational Excellence	Technology	Licensing Costs	Cost savings by consolidating licenses.
2008	Organizational Excellence	Processes and Activities	Efficiency	Average elapsed time to provision entitlement applications such as network logon and email from human resource notification.
2008	Organizational Excellence	Customer Results	Service Availability	Percentage of time LAACS is available.
2008	Organizational Excellence	Customer Results	Integration	Self Service Options Availability
2008	Organizational Excellence	Customer Results	Customer Satisfaction	Percentage of users who rate the LAACS data as excellent.
2009	Organizational Excellence	Mission and Business Results	Information Security	Number of NIST 800-53 requirements met
2009	Organizational Excellence	Processes and Activities	Compliance	The number of NIST 800-53 access control requirements satisfied by implementing LAACS, not previously met.
2009	Organizational Excellence	Technology	Licensing Costs	Cost savings by consolidating licenses.
2009	Organizational Excellence	Processes and Activities	Efficiency	Average elapsed time to provision entitlement applications such as network logon and email from human resource notification.
2009	Organizational Excellence	Customer Results	Service Availability	Percentage of time LAACS is available.
2009	Organizational Excellence	Customer Results	Integration	Self Service Options Availability
2009	Organizational Excellence	Customer Results	Customer Satisfaction	Percentage of users who rate the LAACS data as excellent.
2010	Organizational Excellence	Mission and Business Results	Information Security	Number of NIST 800-53 requirements met
2010	Organizational Excellence	Processes and Activities	Compliance	The number of NIST 800-53 access control requirements satisfied by implementing LAACS, not previously met.
2010	Organizational Excellence	Technology	Licensing Costs	Cost savings by consolidating licenses.
2010	Organizational Excellence	Processes and Activities	Efficiency	Average elapsed time to provision entitlement applications such as network logon and email from human resource notification.
2010	Organizational Excellence	Customer Results	Service Availability	Percentage of time LAACS is available.
2010	Organizational Excellence	Customer Results	Integration	Self Service Options Availability
2010	Organizational Excellence	Customer Results	Customer Satisfaction	Percentage of users who rate the LAACS data as excellent.
2010	Organizational Excellence	Technology	External Data Sharing	LAACS will use industry standard federation services for external data service.

### I.F. Enterprise Architecture (EA) (IT Capital Assets only)

**Description:** In order to successfully address this area of the capital asset plan and business case, the investment must be included in the agency's EA and Capital Planning and Investment Control (CPIC) process and mapped to and supporting the FEA. The business case must demonstrate the relationship between the investment and the business, performance, data, services, application, and technology layers of the agency's EA.

I.F.1. Is this investment included in your agency's target enterprise architecture?  yes

I.F.1.a. If "no," please explain why?  
Description: (Up to 2500 characters)

I.F.2. Is this investment included in the agency's EA Transition Strategy?  yes

I.F.2.a. If "yes," provide the investment name as identified in the Transition Strategy provided in the agency's most recent annual EA Assessment.  
Description: (Up to 500 characters)

As a "minor" investment last year, LAACS services were named in the DOT Transition Strategy with the specifics as to what and where, but the investment itself was not "named." Now that it is a major, LAACS will be included by investment name in the next update of the DOT Transition Strategy.

I.F.2.b. If "no," please explain why? Description: (Up to 2500 characters)	
I.F.3. Is this investment identified in a completed and approved segment architecture?	yes
I.F.3.a. If "yes," provide the six digit code corresponding to the agency segment architecture. The segment architecture codes are maintained by the agency Chief Architect. For detailed guidance regarding segment architecture codes, please refer to <a href="http://www.egov.gov">http://www.egov.gov</a> . Description: (In the format "XXX-000")	105-000

**I.F.4. Service Component Reference Model (SRM) Table**

Description: Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to <http://www.egov.gov>.

- a. Use existing SRM Components or identify as "NEW". A "NEW" component is one not already identified as a service component in the FEA SRM.
- b. A reused component is one being funded by another investment, but being used by this investment. Rather than answer yes or no, identify the reused service component funded by the other investment and identify the other investment using the Unique Project Identifier (UPI) code from the OMB Ex 300 or Ex 53 submission.
- c. 'Internal' reuse is within an agency. For example, one agency within a department is reusing a service component provided by another agency within the same department. 'External' reuse is one agency within a department reusing a service component provided by another agency in another department. A good example of this is an E-Gov initiative service being reused by multiple organizations across the federal government.
- d. Please provide the percentage of the BY requested funding amount used for each service component listed in the table. If external, provide the percentage of the BY requested funding amount transferred to another agency to pay for the service. The percentages in this column can, but are not required to, add up to 100%.

Agency Component Name	Agency Component Description	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused - Component Name (b)
Logical Access and Authorization Control Service (LAACS) Enterprise Repository Manager	Provides LAACS functions with a repository for storing permanent and temporary data. For example, data will include information on objects; on what an object is authorized to do, when, and from where; and an audit history of those privilege assignments. Other data will be the approved workflow processes for assigning privileges. Essentially, a repository to support LAACS major functions, including authentication, authorization, audit, workflow provisioning and SSO/RSO.	Data Management	Data Warehouse	
LAACS Enterprise Support Manager	Self provisioning and reset capabilities so end-users can complete self-service tasks.	Customer Initiated Assistance	Self-Service	
LAACS Enterprise Workflow Manager	Facilitates the implementation of privileges by providing workflow templates for defining privilege or requests for privileges.	Tracking and Workflow	Process Tracking	
LAACS Enterprise Access Manager	Provides the access management functions for the LAACS Identity Management Suite.	Security Management	Access Control	
LAACS Enterprise Connection Manager	Connects the authorization manager to applications to provision applications with privilege information.	Security Management	Access Control	
LAACS Enterprise Audit Manager	Audits the implementation and change of privileges for entities. Also audits primitive information about resource access for complex event processing between resources.	Security Management	Audit Trail Capture and Analysis	
LAACS Enterprise Encryption Key Manager	Storage of encryption keys are related to document encryption.	Security Management	Cryptography	
LAACS Digital Signature Manager	Digital Asset Services	Security Management	Digital Signature Management	
LAACS Enterprise Authentication and Authorization Manager	Verifies identity based on level of assurance requirements and verifies authorization rules.	Security Management	Identification and Authentication	

**I.F.5. Technical Reference Model (TRM) Table**

Description: To demonstrate how this major IT investment aligns with the FEA Technical Reference Model (TRM), please list the Service Areas, Categories, Standards, and Service Specifications supporting this IT investment.

- a. Service Components identified in the previous question should be entered in this column. Please enter multiple rows for FEA SRM Components supported by multiple TRM Service Specifications.
- b. In the Service Specification field, agencies should provide information on the specified technical standard or vendor product mapped to the FEA TRM Service Standard, including model or version numbers, as appropriate.

FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (b) (i.e., vendor and product name)
Identification and Authentication	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	Authentication Module with Client and Web SSO/RSO
Identification and Authentication	Service Access and Delivery	Service Transport	Service Transport	HTTP/HTTPS
Identification and Authentication	Service Access and Delivery	Service Transport	Service Transport	OCSP
Identification and Authentication	Service Access and Delivery	Service Transport	Service Transport	SAML
Identification and Authentication	Service Access and Delivery	Service Transport	Supporting Network Services	LDAPv3 Compliant Metadirectory
Data Warehouse	Service Platform and Infrastructure	Database / Storage	Database	Database and Database Storage
Identification and Authentication	Service Platform and Infrastructure	Delivery Servers	Application Servers	Application Connectors
Identification and Authentication	Service Platform and Infrastructure	Delivery Servers	Portal Servers	Portal Connectors
Identification and Authentication	Service Platform and Infrastructure	Delivery Servers	Web Servers	Web SSO and Web Connectors
Self-Service	Service Access and Delivery	Service Transport	Supporting Network Services	XML WEB Portal Interface
Process Tracking	Component Framework	Data Management	Reporting and Analysis	SQL Reports
Access Control	Component Framework	Security	Supporting Security Services	LDAPv3 Compliant Metadirectory
Audit Trail Capture and Analysis	Component Framework	Data Management	Reporting and Analysis	SQL Database & Reports
Cryptography	Component Framework	Security	Supporting Security Services	PKI
Digital Signature Management	Component Framework	Security	Certificates / Digital Signatures	PKI

I.F.6. Will the application leverage existing components and/or applications across the Government (e.g. USA.gov, Pay.gov, etc.)? no

I.F.6.a. If "yes," please describe.  
Description: (Up to 2500 characters)

### Part IV: Planning for "Multi-Agency Collaboration" ONLY

Description: Part IV should be completed only for investments identified as an E-Gov initiative, a Line of Business (LOB) Initiative, or a Multi-Agency Collaboration effort. The "Multi-Agency Collaboration" choice should be selected in response to Question 6 in Part I, Section A above. Investments identified as "Multi-Agency Collaboration" will complete only Parts I and IV of the exhibit 300.

### IV.A. Multi-Agency Collaboration Oversight (All Capital Assets)

Description: Multi-agency Collaborations, such as E-Gov and LOB initiatives, should develop a joint exhibit 300.

#### IV.A.1. Stakeholder Table

Description: As a joint exhibit 300, please identify all the agency stakeholders (all participating agencies, this should not be limited to agencies with financial commitment). All agency stakeholders should be listed regardless of approval. If the partner agency has approved this joint exhibit 300 please provide the date of approval.

IV.A.9. Will the selected alternative replace a legacy system in-part or in-whole?

IV.A.9.a. If "yes," are the migration costs associated with the migration to the selected alternative included in this investment, the legacy investment, or in a separate migration investment?

IV.A.9.b. If "yes," please provide the following information: