
Facilities Management System

Exhibit 300: Capital Asset Plan and Business Case Summary Part I: Summary Information And Justification

Section A: Overview

1. Date of submission: **Sep 8, 2008**
2. Agency: **452**
3. Bureau: **00**
4. Name of this Capital Asset: **Facilities Management System**
5. Unique Project (Investment) Identifier: **452-00-01-01-01-1002-00**
6. What kind of investment will this be in FY2010? **Operations and Maintenance**
7. What was the first budget year this investment was submitted to OMB? **FY2002**
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: **At the request of Congress, the National Academy of Public Administration conducted a study in 2001, of the Smithsonian management and use of appropriated funds for repair, restoration and alteration of Smithsonian museums and facilities over the period from FY1996 2000. As a result of this study, a number of recommendations were made and in turn implemented by the Smithsonian. In its recently published report "Facilities Management Reorganization is Progressing, but Funding Remains a Challenge" (GAO-05-369), GAO found that the Smithsonian infrastructure problems are extensive and will require an infusion of funding in the amount of approximately \$2.3B over the next nine years. A major component of this requirement is for routine maintenance (\$713.9M) to help reverse the effects of many years of under funding. To this end, effective automated systems will be required to help manage the funding and projects as they are resourced and mature through the life cycle. It is recognized that one of the greatest challenges the Smithsonian faces is the need to repair, restore, and alter a number of its physical facilities. Many of the Smithsonian museums and associated facilities are in urgent need of repair, restoration, alteration. With this in mind, the Smithsonian has documented in its Performance Plan the goal of executing an aggressive, long-range Smithsonian facilities program with increased emphasis on maintenance and revitalization. Critical to the achievement of this goal is the implementation of an enterprise-wide facility management system with current, accurate data in order to improve the quality and efficiency of Smithsonian operations. · In support of the Smithsonian goal, OCIO plans to continue to provide operations and maintenance systems support; to OFEO to integrate ERP Time and Labor with FMS; perform an application upgrade to the Tririga 9i product; implement an Enterprise Facilities Information Warehouse; integrate BIM and GIS functionality with the computer-aided facility management (CAFM) data structure; implement SI-wide self-service facilities and**

special event requests; implement mobile device technology for services order tracking; integrate the Building Automation System with FMS; and integrate the Utility System data with FMS.

9. Did the Agency's Executive/Investment Committee approve this request? **yes**
a. If "yes," what was the date of this approval? **Jun 29, 2007**
10. Did the Project Manager review this Exhibit? **yes**
11. Contact information of Program/Project Manager?

Name **Michelle T. Gooch**
Phone Number **202 633-6348**
E-mail **goochmi@si.edu**

- a. What is the current FAC-P/PM (for civilian agencies) or DAWIA (for defense agencies) certification level of the program/project manager? **Waiver Issued**
- b. When was the Program/Project Manager Assigned? **Apr 21, 2001**
- c. What date did the Program/Project Manager receive the FAC-P/PM certification? If the certification has not been issued, what is the anticipated date for certification? **Jan 1, 1901**
12. Has the agency developed and/or promoted cost effective, energy efficient and environmentally sustainable techniques or practices for this project. **yes**
a. Will this investment include electronic assets (including computers)? **yes**
b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only) **no**
1. If "yes," is an ESPC or UESC being used to help fund this investment?
2. If "yes," will this investment meet sustainable design principles?
13. If "yes," is it designed to be 30% more energy efficient than relevant code?
14. Does this investment directly support one of the PMA initiatives? **yes**

Expanded E-Government

Budget Performance Integration

Real Property Asset Management

- a. Briefly and specifically describe for each selected how this asset directly supports the identified initiative(s)? **The Smithsonian's strategic vision in the year 2000 established the support and intention to evaluate and modernize all [Smithsonian] management systems to bring them to a level of quality and sophistication appropriate to the size and complexity of the Smithsonian Institution. The Facilities Management System (FMS) is one of those systems that would allow the Institution to achieve that goal by helping to manage the funding and facilities projects.**
15. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)? (For more information about the PART, visit www.whitehouse.gov/omb/part.) **yes**
a. If "yes," does this investment address a weakness found during a PART review? **no**
b. If "yes," what is the name of the PARTed program? **10009067 - Smithsonian Institution Operations and Maintenance**
c. If "yes," what rating did the PART receive? **Effective**
16. Is this investment for information technology? **yes**

For information technology investments only:

16. What is the level of the IT Project? (per CIO Council PM Guidance) **Level 1**
17. In addition to the answer in 11(a), what project management qualifications does the Project Manager have? (per CIO Council PM Guidance) **(1) Project manager has been validated as qualified for this investment**
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**
19. Is this a financial management system? **no**
1. If "yes," does this investment address a FFMIA compliance area?
 2. If "yes," which compliance area:
 3. If "no," what does it address?
20. 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
21. What is the percentage breakout for the total FY2010 funding request for the following?

Hardware **1**
 Software **7**
 Services **2**
 Other **90**

22. 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. Contact information of individual responsible for privacy related questions:

Name **Marsha Shaines**
 Phone Number **202 633-5106**
 Title **Acting General Counsel**
 E-mail **shainesm@si.edu**

24. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval? **yes**
25. Does this investment directly support one of the GAO High Risk Areas? **yes**

Section B: Summary of Spending

1.

	PY-1 and earlier	PY 2008	CY 2009
Planning:	0	0	0
Acquisition:	2.098	0	0
Subtotal Planning & Acquisition:	2.098	0	0
Operations & Maintenance:	0.268	0.776	0.116
TOTAL:	2.366	0.776	0.116

Government FTE Costs	3.064	0.898	0.925
Number of FTE represented by Costs:	4	6	6

2. Will this project require the agency to hire additional FTE's? **yes**
 - a. If "yes", How many and in what year? **2 FTEs - 2011**
3. If the summary of spending has changed from the FY2009 President's budget request, briefly explain those changes:

Section D: Performance Information

Performance Information Table							
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2008	Enhanced Management Excellence	Customer Results	Customer Satisfaction	Percentage of users surveyed that are satisfied with the amount and quality of technical assistance	70%	90%	Met
2008	Enhanced Management Excellence	Technology	Internal Data Sharing	The number of integration points between GIS tools & the facilities database available for facilities operations	0	25% of the facilities database has GIS integration points	Approximately 25% of the infrastructure space data currently in the FMS has GIS integration
2008	Enhanced Management Excellence	Processes and Activities	Innovation and Improvement	The amount of time staff spend on processing time and labor-hour allocations and timekeeping information	Staff spend an average of 30 minutes per person recording redundant time and labor-hour allocation information	OFEo staff spend 15 minutes (50% less) to process time and labor-hour allocations by utilizing self service technology and implementing handheld device technology	50% met - OFEO staff are beginning to migrate to the enterprise webTA system. There is a customization in webTA that will decrease the time it takes to

							process time against work tasks.
2008	Enhanced Management Excellence	Technology	Internal Data Sharing	Integrate the ERP System human resources and time and labor-hour allocation data with FMS data	Paper based processing	Eliminate redundant human resource and time and labor tracking data entry by providing integration with the ERP System	60% - Integration between FMS/HR Systems will provide information on staff such as names, organization, hire/termination dates.
2008	Enhanced Management Excellence	Mission and Business Results	Facilities, Fleet, And Equipment Management	Disaster / Risk Management functionality in FMS to track information about hazardous materials, high voltage and critical equipment locations, emergency evacuation routes, and other critical security/facility related information	Paper based processing	Provide the Institution with integrated systems that contain information needed for Disaster Preparedness and Emergency Response as well as construction activities and day-to-day operations	40% - Information on facility floor pation on facility floor plans, usage and building assets is currently in the FMS. Additional information on hazardous materials (embedded & consumables and safety inspections) are being implemented.
2008	Enhanced Management Excellence	Technology	Costs	Upgrade FMS software to provide increased functionality.	OFE0 seeking to integrate other products with this functionality with FMS.	Provide increased functionality such as Call Center and Facilities Condition Tracking, to avoid spending money to implement and integrate additional software products.	Call Center delayed until FY09/Facilities Condition delayed until FY10
2009	Enhanced Management Excellence	Technology	Facilities, Fleet, And Equipment Management	Percent of work orders manually entered as a result of BCS Alarms	100% of alarm work orders manually entered in	50% of alarm work orders are manually entered in FMS	TBD

					FMS		
2009	Enhanced Management Excellence	Mission and Business Results	Facilities, Fleet, And Equipment Management	Number of staff using mobile technology to load FMS	0	24	TBD
2009	Enhanced Management Excellence	Processes and Activities	Innovation and Improvement	Amount of time staff spend to compile facilities related information from different systems	Manual Processing	25% Reduction in Compilation of Facilities Related Data using Data Warehouse	TBD
2009	Enhanced Management Excellence	Customer Results	Accessibility	Integration with associated facilities systems such as Energy Management and Inspection Management	Paper based processing or redundant entry.	Utilize shared resources to present consolidated information about the cost and services needed to manage facilities.	TBD
2010	Enhanced Management Excellence	Mission and Business Results	Facilities, Fleet, And Equipment Management	Expand the number of staff using mobile technology to receive and update data in FMS	24	100	TBD
2010	Enhanced Management Excellence	Processes and Activities	Productivity	Provide the ability to manage facility space including vacancies and staff moves	Paper based process	Implement Move Management module to provide an automated mechanism to manage space.	TBD
2010	Enhanced Management Excellence	Processes and Activities	Productivity	Provide increased functionality	OFEO seeking to integrate other products with Facilities Condition functionality with FMS	Implement FMS Facilities Condition/Tracking module to avoid spending money to implement and integrate separate software products	TBD
2010	Enhanced	Customer	Accessibility	Deploy	20	6000	TBD

	Management Excellence	Results		Employee Facilities Self Service			
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Section F: Enterprise Architecture (EA)

Is this investment included in your agency's target enterprise architecture? **yes**

- a. If "no," please explain why?
- 2. Is this investment included in the agency's EA Transition Strategy? **yes**
 - a. If "yes," provide the investment name as identified in the Transition Strategy provided in the agency's most recent annual EA Assessment.

Facilities Management System (FMS)

- b. If "no," please explain why?
- 3. Is this investment identified in a completed and approved segment architecture? **no**

- 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 <http://www.egov.gov/>. **401-000**

4. Service Component Reference Model (SRM) Table :							
Agency Component Name	Agency Component Description	FEA SRM Service Type	FEA SRM Component	Service Component Reused		Internal or External Reuse?	BY Funding Percentage
				Component Name	UPI		
FacilitiesCenter COTS product	Includes on-line service request functionality	Customer Relationship Management	Call Center Management			No Reuse	0
FacilitiesCenter COTS product	Provides a view of customer interactions	Customer Relationship Management	Contact and Profile Management			No Reuse	0
FacilitiesCenter COTS product	Can send alerts and notifications related to activities and the status of work requested	Customer Preferences	Alerts and Notifications			No Reuse	0
FacilitiesCenter COTS product	Provides online system help functionality	Customer Initiated Assistance	Online Help			No Reuse	0
FacilitiesCenter COTS product	Includes on-line service / assistance request functionality	Customer Initiated Assistance	Assistance Request			No Reuse	0

FacilitiesCenter COTS product	Supports scheduling associated with project and task management functions	Customer Initiated Assistance	Scheduling			No Reuse	0
FacilitiesCenter COTS product	Allows creation, routing, tracing, assignment, and closing of work and project requests	Tracking and Workflow	Case Management			No Reuse	0
FacilitiesCenter COTS product	Provides capability for capture and reporting of project-related information	Management of Processes	Program / Project Management			No Reuse	6
FacilitiesCenter COTS product	Supports referencing of related documents and content for assets, places, and other objects.	Document Management	Document Referencing			No Reuse	0
FacilitiesCenter COTS product	Supports electronic document storage and archiving	Document Management	Library / Storage	[Not answered]	[Not answered]	No Reuse	0
FacilitiesCenter COTS product	Supports access to data and information on numerous aspects of facilities and related maintenance components and activities.	Knowledge Management	Information Retrieval			No Reuse	10
FacilitiesCenter COTS product	Supports the sharing and use of documents and data by multiple users	Knowledge Management	Information Sharing			No Reuse	6

FacilitiesCenter COTS product	Supports the collection of data and information by serving as a central point for this data and information.	Knowledge Management	Knowledge Capture			No Reuse	10
FacilitiesCenter COTS product	Supports the correlation between logical data and information sets in the context of facilities asset and task management.	Records Management	Record Linking / Association			No Reuse	0
FacilitiesCenter and Crystal Reports COTS products	Provides graphing and charting functionality both through an internal report tool and Crystal Reports.	Visualization	Graphing / Charting			No Reuse	4
FacilitiesCenter COTS product	Integrates with AutoCAD and provides association between CAD drawings (e.g. floor plans) and assets (e.g. buildings).	Visualization	CAD			No Reuse	6
FacilitiesCenter and Crystal Reports COTS products	Provides ad hoc report functionality both through an internal report tool and Crystal Reports.	Reporting	Ad Hoc			No Reuse	4
FacilitiesCenter and Crystal Reports COTS products	Provides standardized / canned report functionality both through an internal	Reporting	Standardized / Canned			No Reuse	4

	report tool and Crystal Reports.						
FacilitiesCenter COTS product	Includes LDAP integration and data exchange with the PeopleSoft ERP system	Data Management	Data Exchange			No Reuse	5
FacilitiesCenter COTS product	Is Oracle SQL-based and supports data population from external sources.	Data Management	Loading and Archiving			No Reuse	5
FacilitiesCenter COTS product	Supports time reporting for employees.	Human Resources	Time Reporting			No Reuse	1
FacilitiesCenter COTS product	Supports the management (identification, planning, and allocation) of property assets.	Asset / Materials Management	Property / Asset Management			No Reuse	6
FacilitiesCenter COTS product	Provides capabilities that support construction, management, and maintenance of facilities.	Asset / Materials Management	Facilities Management			No Reuse	6
FacilitiesCenter COTS product	Supports the planning and allocation of resources for facilities-related tasks and projects.	Human Capital / Workforce Management	Resource Planning and Allocation			No Reuse	6
FacilitiesCenter COTS product	Uses a combination of LDAP, logon IDs, and passwords for identification and authentication purposes.	Security Management	Identification and Authentication			No Reuse	0

FacilitiesCenter COTS product	Supports management of permissions for system access.	Security Management	Access Control			No Reuse	0
FacilitiesCenter COTS product	Supports the grouping and archiving of facility-related files and records.	Collaboration	Document Library			No Reuse	0
FacilitiesCenter COTS product	Supports management of project-related tasks including employee assignment.	Collaboration	Task Management			No Reuse	0
FacilitiesCenter COTS product	Supports retrieval of records based on search queries.	Search	Query			No Reuse	21

5. Technical Reference Model (TRM) Table:

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification
Call Center Management	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Call Center Management	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Call Center Management	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Call Center Management	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Call Center Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Call Center Management	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Call Center Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Call Center Management	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Call Center Management	Component Framework	Interface	Static Display	HTML
Call Center Management	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Contact and Profile Management	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer

Contact and Profile Management	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Contact and Profile Management	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Contact and Profile Management	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Contact and Profile Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Contact and Profile Management	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Contact and Profile Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Contact and Profile Management	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Contact and Profile Management	Component Framework	Interface	Static Display	HTML
Contact and Profile Management	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Alerts and Notifications	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Alerts and Notifications	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Alerts and Notifications	Service Access and Delivery	Service Transport	Supporting Network Services	SMTP
Alerts and Notifications	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Alerts and Notifications	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Alerts and Notifications	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Alerts and Notifications	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Alerts and Notifications	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Alerts and Notifications	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Alerts and Notifications	Component Framework	Interface	Static Display	HTML
Alerts and Notifications	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Online Help	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Online Help	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Online Help	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Online Help	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Online Help	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat

Online Help	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Online Help	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Online Help	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Online Help	Component Framework	Interface	Static Display	HTML
Online Help	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Assistance Request	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Assistance Request	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Assistance Request	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Assistance Request	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Assistance Request	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Assistance Request	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Assistance Request	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Assistance Request	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Assistance Request	Component Framework	Interface	Static Display	HTML
Assistance Request	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Scheduling	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Scheduling	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Scheduling	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Scheduling	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Scheduling	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Scheduling	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Scheduling	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Scheduling	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Scheduling	Component Framework	Interface	Static Display	HTML
Scheduling	Component Framework	Business Logic	Platform Independent	J2EE

			Technologies	
Case Management	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Case Management	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Case Management	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Case Management	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Case Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Case Management	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Case Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Case Management	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Case Management	Component Framework	Interface	Static Display	HTML
Case Management	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Program / Project Management	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Program / Project Management	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Program / Project Management	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Program / Project Management	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Program / Project Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Program / Project Management	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Program / Project Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Program / Project Management	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Program / Project Management	Component Framework	Interface	Static Display	HTML
Program / Project Management	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Document Referencing	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Document Referencing	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Document Referencing	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Document Referencing	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache

Document Referencing	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Document Referencing	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Document Referencing	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Document Referencing	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Document Referencing	Component Framework	Interface	Static Display	HTML
Document Referencing	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Library / Storage	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Library / Storage	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Library / Storage	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Library / Storage	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Library / Storage	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Library / Storage	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Library / Storage	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Library / Storage	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Library / Storage	Component Framework	Interface	Static Display	HTML
Library / Storage	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Information Retrieval	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Information Retrieval	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Information Retrieval	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Information Retrieval	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Information Retrieval	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Information Retrieval	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Information Retrieval	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Information Retrieval	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Information Retrieval	Component Framework	Interface	Static Display	HTML

Information Retrieval	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Information Sharing	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Information Sharing	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Information Sharing	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Information Sharing	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Information Sharing	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Information Sharing	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Information Sharing	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Information Sharing	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Information Sharing	Component Framework	Interface	Static Display	HTML
Information Sharing	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Knowledge Capture	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Knowledge Capture	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Knowledge Capture	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Knowledge Capture	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Knowledge Capture	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Knowledge Capture	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Knowledge Capture	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Knowledge Capture	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Knowledge Capture	Component Framework	Interface	Static Display	HTML
Knowledge Capture	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Record Linking / Association	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Graphing / Charting	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Graphing / Charting	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Graphing / Charting	Service Access and Delivery	Service Transport	Service Transport	TCP/IP

	Delivery			
Graphing / Charting	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Graphing / Charting	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Graphing / Charting	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Graphing / Charting	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Graphing / Charting	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Graphing / Charting	Component Framework	Interface	Static Display	HTML
Graphing / Charting	Component Framework	Data Management	Reporting and Analysis	Crystal Reports
Graphing / Charting	Component Framework	Business Logic	Platform Independent Technologies	J2EE
CAD	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
CAD	Service Access and Delivery	Delivery Channels	Intranet	Intranet
CAD	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
CAD	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
CAD	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
CAD	Service Platform and Infrastructure	Database / Storage	Database	Oracle
CAD	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
CAD	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
CAD	Component Framework	Interface	Static Display	HTML
CAD	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Ad Hoc	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Ad Hoc	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Ad Hoc	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Ad Hoc	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Ad Hoc	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Ad Hoc	Service Platform and Infrastructure	Database / Storage	Database	Oracle

Ad Hoc	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Ad Hoc	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Ad Hoc	Component Framework	Interface	Static Display	HTML
Ad Hoc	Component Framework	Data Management	Reporting and Analysis	Crystal Reports
Ad Hoc	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Standardized / Canned	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Standardized / Canned	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Standardized / Canned	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Standardized / Canned	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Standardized / Canned	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Standardized / Canned	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Standardized / Canned	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Standardized / Canned	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Standardized / Canned	Component Framework	Interface	Static Display	HTML
Standardized / Canned	Component Framework	Data Management	Reporting and Analysis	Crystal Reports
Standardized / Canned	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Data Exchange	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Data Exchange	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Data Exchange	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Data Exchange	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Data Exchange	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Data Exchange	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Data Exchange	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Data Exchange	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Data Exchange	Component Framework	Interface	Static Display	HTML

Data Exchange	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Loading and Archiving	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Time Reporting	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Time Reporting	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Time Reporting	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Time Reporting	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Time Reporting	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Time Reporting	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Time Reporting	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Time Reporting	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Time Reporting	Component Framework	Interface	Static Display	HTML
Time Reporting	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Property / Asset Management	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Property / Asset Management	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Property / Asset Management	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Property / Asset Management	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Property / Asset Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Property / Asset Management	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Property / Asset Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Property / Asset Management	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Property / Asset Management	Component Framework	Interface	Static Display	HTML
Property / Asset Management	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Facilities Management	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Facilities Management	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Facilities	Service Access and	Service Transport	Service Transport	TCP/IP

Management	Delivery			
Facilities Management	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Facilities Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Facilities Management	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Facilities Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Facilities Management	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Facilities Management	Component Framework	Interface	Static Display	HTML
Facilities Management	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Resource Planning and Allocation	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Resource Planning and Allocation	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Resource Planning and Allocation	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Resource Planning and Allocation	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Resource Planning and Allocation	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Resource Planning and Allocation	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Resource Planning and Allocation	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Resource Planning and Allocation	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Resource Planning and Allocation	Component Framework	Interface	Static Display	HTML
Resource Planning and Allocation	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Identification and Authentication	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Identification and Authentication	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Identification and Authentication	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	LDAP
Identification and Authentication	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Identification and Authentication	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Identification and Authentication	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Identification and Authentication	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire

Identification and Authentication	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Identification and Authentication	Component Framework	Interface	Static Display	HTML
Identification and Authentication	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Access Control	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Access Control	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Access Control	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	LDAP
Access Control	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Access Control	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Access Control	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Access Control	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Access Control	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Access Control	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Access Control	Component Framework	Interface	Static Display	HTML
Access Control	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Access Control	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Document Library	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Document Library	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Document Library	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Document Library	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Document Library	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Document Library	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Document Library	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Document Library	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Document Library	Component Framework	Interface	Static Display	HTML
Document Library	Component Framework	Business Logic	Platform Independent	J2EE

			Technologies	
Task Management	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Task Management	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Task Management	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Task Management	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Task Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Task Management	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Task Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Task Management	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Task Management	Component Framework	Interface	Static Display	HTML
Task Management	Component Framework	Business Logic	Platform Independent Technologies	J2EE
Query	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Query	Service Access and Delivery	Delivery Channels	Intranet	Intranet
Query	Service Access and Delivery	Service Transport	Service Transport	TCP/IP
Query	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Query	Service Platform and Infrastructure	Delivery Servers	Application Servers	Tomcat
Query	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Query	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN Sun Fire
Query	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Query	Component Framework	Interface	Static Display	HTML
Query	Component Framework	Business Logic	Platform Independent Technologies	J2EE

6. Will the application leverage existing components and/or applications across the Government (i.e., USA.Gov, Pay.Gov, etc)? **no**
- a. If "yes," please describe.

Part III: For "Operation and Maintenance" investments ONLY (Steady State)

Section A: Risk Management (All Capital Assets)

1. Does the investment have a Risk Management Plan? **yes**
 - a. If "yes," what is the date of the plan? **Sep 1, 2003**
 - b. Has the Risk Management Plan been significantly changed since last year's submission to OMB? **no**
 - c. If "yes," describe any significant changes:
2. If there currently is no plan, will a plan be developed?
 - a. If "yes," what is the planned completion date? If "no," what is the strategy for managing the risks?