PART I - A
PART I: SUMMARY INFORMATION AND JUSTIFICATION
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.
OMB Text Limitations - SHORT ANSWER(250 Characters), MEDIUM ANSWER(500 Characters) and LONG ANSWER(2500 Characters)

Section A: Overview (All Capital Assets)
I.A.1) Date of Submission (mm/dd/yyyy)
Sep 10, 2007
I.A.2) Agency
029 - Department of Veterans Affairs
I.A.3) Bureau
00 - Agency Wide Initiatives
I.A.4) Name of this Investment:(SHORT ANSWER)
VistA-Foundations Modernization-2009
I.A.5) Unique Project(Investment) Identifier: Update the UPI using the Exhibit 53 tab.
029-00-01-11-01-1223-00
I.A.6) What kind of investment will this be in FY2009? (Please NOTE: Investments moving to O&M in FY2009, with Planning/Acquisition activities prior to FY2009 should not select O&M. These investments should indicate their current status.)
Full-Acquisition
I.A.7) What was the first budget year this investment was submitted to OMB?
FY2006
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: (LONG ANSWER)
To support VHA's efforts to provide cost effective, world-class medical care to our veterans, address Presidential Management Agenda (PMA) and congressional mandates a transition of the main VHA Health Care IT system is necessary. Primary achievement will be through transition of VistA-Legacy to Vista-Foundations Modernization (VistA-FM) project. VistA-Legacy (VistA) is growing more difficult to support due to: technological age, product maintenance costs, and integration difficulties associated with mainstream software languages, tools, and processes. Likewise, VistA can not provide a modern robust software environment that supports a common architecture based on current software tools/practices for improved: interoperability, reduced maintenance, reduced support costs, and measurable performance enhancements. VistA-FM provides the architecture and foundational elements required to operate and maintain a modern health care IT system. Its subcomponents include: architecture, computing infrastructure, core common services software, enterprise messaging infrastructure, enterprise terminologies, data standards, and an administrative data repository. All of these subcomponents align with VA's "to-be" enterprise architecture. These components will provide immediate benefit and also afford a significant amount of flexibility to the HealtheVet system, thus enabling it to adapt to future needs. The new architecture associated with VistaFM will greatly improve HealtheVet performance, scalability, and interoperability, while at the same time, it will decrease operating costs. The components of VistA-FM are designed to establish a common architecture that eliminates redundancies in coding, supports common terminology sources between applications and promotes software and data reuse. Additionally, this exhibit supports two PMA items, namely "Expanded E–Government" and "Coordination of VA and DoD Programs and Systems". These initiatives are being accomplished, in part, by standardizing data in conjunction with several federal agencies via the Consolidated Health Informatics (CHI) initiative. Standardized data improves sharing of data among federal agencies and contributes to the ability to meet the President's goal of a portable electronic health record within 10 years.
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?

Jun 28, 2007

I.A.10) Did the Project Manager review this Exhibit?

Yes

I.A.11) Project Managers Contact Information

	Project Managers Names (SHORT ANSWER)	PM Phone	E-mail (SHORT ANSWER)
Primary in-house	Steve Taaffe, Program Manager	(727) 320-1930	Steven.Taaffe@va.gov

I.A.11.a) What is the current FAC-P/PM certification level of the project/program manager?

DAWIA-Level-2

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 construction or retrofit of a federal building or facility? (Answer applicable to non-IT assets only)

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? (Answer applicable to non-IT assets only)

I.A.13) Does this investment directly support one of the PMA initiatives?

Yes

I.A.13.a) If "yes," check all that apply:

	PMA Initiatives for XML Submission	PMA Initiatives
		- Human Capital
		- Budget Performance Integration
		- Financial Performance
Yes	Expanded E-Government	- Expanded E-Government
		- Competitive Sourcing
		- Faith Based and Community
		- Real Property Asset Management
		- Eliminating Improper Payments
		- Privatization of Military Housing
		- Research & Development Investment Criteria
		- Housing & Urban Development Management & Performance
		- Broadening Health Insurance Coverage through State Initiatives

		- "Right Sized" Overseas Presence
Yes	Coordination of VA and DoD Programs and Systems	- Coordination of VA & DoD Programs and Systems

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?)(MEDIUM ANSWER)

This exhibit supports two PMA items: "Expanded E–Government" and "Coordination of VA and DoD Programs and Systems". These initiatives are being accomplished by standardizing data in conjunction with several federal agencies via the Consolidated Health Informatics (CHI) initiative. Standardized data improves sharing of data among federal agencies and contributes to the the ability to meet the President's goal of a portable electronic health record within 10 years.

I.A.14) 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.)

No

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

No

I.A.14.b) If "yes," what is the name of the PARTed program? (SHORT ANSWER)

I.A.14.c) If "yes," what rating did the PART receive?

I.A.15) Is this investment information technology? (See section 53.8 for definition)

Yes

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

Level 2

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

Qualification Status	Qualification Status for XML Submission	Description
1	(1) Project manager has been validated as qualified for this investment	(1) - Project manager has been validated as qualified for this investment.
		(2) - Project manager qualification is under review for this investment.
		(3) - Project manager assigned to investment, but does not meet requirements.
		(4) - Project manager assigned but qualification status review has not yet started.
		(5) - No Project manager has yet been assigned to this investment.

I.A.18) Is this investment or any project(s) within this investment identified as "high risk" on the Q4-FY 2007 agency high risk report (per OMB Memorandum M-05-23)

Yes

I.A.19) Is this project (investment) a Financial Management System? (see section 53.3 for definition)

No

I.A.19.a) If so, does this project (investment) address a FFMIA (Federal Financial Managers Integrity Act) compliance area?

I.A.19.a.1) If yes, which compliance area?

I.A.19.a.2) If "no," what does it address? (MEDIUM ANSWER)

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 (LONG ANSWER)

Not applicable

I.A.20) What is the percentage breakout for the total FY2008 funding request for the following? (This should total 100%)

Percentage of Total Investment	
% Hardware	20.60
% Software	5.85
% Services	73.55
% Others	

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?

NA

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

Contact Name: (SHORT ANSWER)	Chi Yu
Phone Number:	(202) 565-8928
Title: (SHORT ANSWER)	IT Specialist
E-mail: (SHORT ANSWER)	Chi.yu@va.gov

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

PART I - B

PART I: SUMMARY INFORMATION AND JUSTIFICATION

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.

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Section B: Summary of Funding (All Capital Assets)

I.B.1) FILL IN TABLE IN CURRENT VALUES (in millions)

(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)

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.

Category of Funds	**PY-1 and Earlier**	**PY 2007**	**CY 2008**	**BY 2009**

Planning				
Budgetary Resources	2.970	0.000	0.000	0.000
Acquisition				
Budgetary Resources	54.135	46.088	34.534	81.678
Total, Sum of Stages				
Total, Resources (Plan & Acq)	57.105	46.088	34.534	81.678
Operations & Maintenance				
Budgetary Resources	0.000	16.613	31.194	13.288
Total, All Stages Resources	57.105	62.701	65.728	94.966
Government FTE Costs	18.525	15.156	18.900	20.400
Govt. FTE Numbers	172	133	135	170
Total, All Stages Resources + FTE	75.630	77.857	84.628	115.366

Government FTE Costs SHOULD NOT be INCLUDED as part of the TOTAL, All Stages Resources represented.

Note: 1) For the cross-agency investments, this table should include all funding (both managing partner and partner agencies). 2) Total, All Stages Resources should equal Total, All Stages Outlays.

I.B.2) Will this project require the agency to hire additional FTE's?

Yes

I.B.2.a) If Yes, How many and in what year? (MEDIUM ANSWER)

Additional resources will move into and out of VistA-FM projects based on the need for project personnel. This fluctuation in staffing needs will result in few actual new hires, but significant resources will at one point in time or another be allocated to the wide variety of projects within VistA-FM. For FY08 +12 FTE, FY09 +45 FTE, FY10 +75 FTE. After FY10 the FTE requirement remains relatively level.

I.B.3) If the summary of spending has changed from the FY2007 President's budget request, briefly explain those changes. (LONG ANSWER)

FY2008 Presidential approved funding included a significant increase in VA FTE. This increase reflected anticipated project and OMB Exhibit re-alignments and staffing increases that did not materialize.

PART I - C

PART I: SUMMARY INFORMATION AND JUSTIFICATION

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.

OMB Text Limitations - SHORT ANSWER(250 Characters), MEDIUM ANSWER(500 Characters) and LONG ANSWER(2500 Characters)

Section C: Acquisition/Contract Strategy (All Capital Assets)

I.C.1) If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why? (LONG ANSWER)
Most of the contracts pre-date the Earned Value requirement. All future contracts will include Earned Value requirements when applicable.
I.C.2) Do the contracts ensure Section 508 compliance?
Yes
I.C.2.a) If the Contracts WILL NOT ensure Section 508 Compliance, explain why:
I.C.3) Is there an acquisition plan which has been approved in accordance with agency requirements?
Yes
I.C.3.a) If "yes," what is the date?
I.C.3.b) If "no," will an acquisition plan be developed?
I.C.3.b.1) If "no," briefly explain why: (MEDIUM ANSWER)

PART I - D

PART I: SUMMARY INFORMATION AND JUSTIFICATION

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.

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Section D: Performance Information (All Capital Assets)

I.D.1) 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 must be provided. These goals need to map to the gap in the agency's strategic goals and objectives that 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%, increase citizen participation by 300% a year to achieve an overall citizen participation rate of 75% 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, milestone, or investment, or general goals, such as, significant, better, improved that do not have a quantitative or qualitative measure.

For Existing IT projects that have previously submitted Exhibit 300s:

--> If you completed Table 1 last year, please use Table 1 to report for fiscal year 2005 and Table 2 for fiscal years 2006 through at least 2009.

--> If you completed only Table 2 last year, please use Table 2 to report for fiscal years 2006 through at least 2009.

For projects that are submitting Exhibit 300s for the first time:

--> Use Table 2.

--> Report on Performance Measures for at least two years, i.e., FY 2008 and 2009, FY 2009 and 2010.

--> If the project will have data for 2007 that you wish to include, add extra lines in Table 2 and complete all information in this single table.

--> At least one performance goal should be met by BY+1.

PERFORMANCE INFORMATION TABLE 2:

Please use Table 2 and the FEA Performance Reference Model (PRM) to identify the performance information pertaining to this major IT Investment. 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 at least four different Measurement Areas (for each fiscal year).

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvements to the Baseline	Actual Results

2007	Honor & Memorialize	Technology	Data Reliability and Quality	Support VA medical research and development programs that address veterans' needs by making available standardized, computable data. Utilize national standards in the identified domains.	The data in the VistA patient record is not standardized as of FY2006.	VistA data will be incrementally standardized, utilizing national standards (such as Consolidated Health informatics (CHI), SNOMED, LOINC etc.) in the identified domains. The terminologies implemented will be reusable in HealtheVet.	Results will be determined at the end of FY 2007.
2007	Honor & Memorialize	Customer Results	Accuracy of Service or Product Delivered	Accuracy of Services or Product Delivered / Integration Control Number (ICN) count: ICNs track unique patients. Through data standardization and the use of a patient-centric EHR, VistA-FM will improve, by decreasing, the number of erroneous ICNs.	38,801 local ICN counts in August 2004.	Decrease the number of local ICN to less than 35,000. Thereby, reduce the number of multiple ICNs assigned to a single patient. Addresses the PMA goals 4 and 14 listed in section IA.	A patch was released which eliminated the use for local ICN's.
2007	Honor & Memorialize	Mission and Business Results	Enterprise Architecture	Support VHA & VA enterprise architecture development through a complete analysis of the to-be architecture and development of a comprehensive architecture for the development of HealtheVet.	The current VHA enterprise architecture will be analyzed and validated during FY07 and will comply with Federal Enterprise Architecture and VA Enterprise Architecture.	A comprehensive enterprise architecture will be developed and ensure FEA and VA enterprise architectures will be used to develop the architecture necessary to achieve HealtheVet.	Results will be determined at the end of FY 2007.
2007	Public Health & Socioeconomic Wellbeing	Processes and Activities	Savings and Cost Avoidance	Support Consolidated Health Data Repository (CHDR) data sharing for VA and DoD Active Dual Consumer (ADC) patients in the Laboratory domain (Chemistry & Hematology) per congressional mandate.	Current data cannot be shared except in textual, non computable formats.	Data will be shareable on ADC's in a computable and automated fashion for Laboratory (Chemistry and Hematology) tests.	Results will be determined at the end of FY 2007.
2008	Public Health & Socioeconomic Wellbeing	Processes and Activities	Savings and Cost Avoidance	Support Consolidated Health Data Repository (CHDR) data sharing for VA and DoD Active Dual Consumer (ADC) patients in the Laboratory domain (Microbiology) per congressional mandate.	Current data cannot be shared except in textual, non computable formats.	Data will be shareable on ADC's in a computable and automated fashion for Laboratory (Microbiology) tests.	Results will be determined at the end of FY 2008.

2008	Honor & Memorialize	Mission and Business Results	Enterprise Architecture	Begin phased installation and implementation of enterprise architectural framework for re-hosted/reengineered healthcare applications.	The total number of deliverables identified for VistA-FM is 134.	Deliverables completed in support of the rehosted/reengineered applications developed in J2EE and implemented at Remote Data Processing Centers (RDPC) will equal 25% of the total deliverables which comprise the VistA Framework.	Results will be determined at the end of FY 2008.
2008	Ensure Smooth Transition	Technology	Data Reliability and Quality	Support VA/DoD medical research, development and information sharing programs that address veterans' needs by making available standardized, computable data. Utilize national standards in the identified domains.	The data in the VistA patient record is currently in process of being standardized. Currently 32 Data domains are identified for standardization	Of the currently identified Health Data Domains, 38% are expected to be standardized by the end of fiscal year 2008. VistA data will be incrementally standardized. This measurement supports the PMA goals 4 and 14 detailed in section IA.	Results will be determined at the end of FY 2008.
2008	Public Health & Socioeconomic Wellbeing	Customer Results	Customer Satisfaction	Customer Complaints – Reduce complaints per 1000 calls	7 Complaints per 1000 customer service calls	Maintain 5 or less complaints per 1000 calls. Supports VA Strategic Plan OBJ 3.1 Provide high quality, reliable healthcare	Results will be determined at the end of FY 2008.
2009	Ensure Smooth Transition	Processes and Activities	Savings and Cost Avoidance	Efficiency/Labor Cost Avoidance: Consolidation of IT assets and operations reduce staff and redundancy. Additionally, agency coordination (VA/DoD), upgraded system capabilities, and configuration management will further maximize staff efficiencies.	Estimated FY09 total IT O&M costs = $228,086,851	Estimated cost avoidance on IT O&M costs due to consolidation. Expected cost avoidance for FY2009 = $.680M See CBA for calculation details (Labor Cost Summary Avoidance tab). This measurement supports the PMA goals 4 and 14 detailed in section IA.	Results will be determined at the end of FY 2009.
2009	Honor & Memorialize	Mission and Business Results	Health Care Delivery Services	Continue with phased installation and implementation of enterprise architectural framework for re-hosted/reengineered healthcare applications.	The total number of deliverables identified for VistA-FM is 134.	Deliverables completed in support of the re-hosted/reengineered applications developed in J2EE and implemented at Remote Data Processing Centers (RDPC) will equal 44% of the total deliverables which comprise the VistA Framework.	Results will be determined at the end of FY 2009.

2009	Ensure Smooth Transition	Technology	Data Reliability and Quality	Support VA/DoD medical research, development and information sharing programs that address veterans' needs by making available standardized, computable data. Utilize national standards in the identified domains.	The data in the VistA patient record is currently in process of being standardized. Currently 32 Data domains are identified for standardization.	Of the currently identified Health Data Domains, 53% are expected to be standardized by the end of fiscal year 2009. VistA data will be incrementally standardized. This measurement supports the PMA goals 4 and 14 detailed in section IA.	Results will be determined at the end of FY 2009.
2009	Public Health & Socioeconomic Wellbeing	Customer Results	Customer Satisfaction	Customer Complaints – Reduce complaints per 1000 calls	7 Complaints per 1000 customer service calls	Maintain 5 or less complaints per 1000 calls. Supports VA Strategic Plan OBJ 3.1 Provide high quality, reliable healthcare	Results will be determined at the end of FY 2009.

PART I - F

PART I: SUMMARY INFORMATION AND JUSTIFICATION

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.

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Section F: Enterprise Architecture (EA) (IT Capital Assets only)

In order to successfully address this area of the business case and capital asset plan you must ensure the investment is included in the agency's EA and Capital Planning and Investment Control (CPIC) process, and is mapped to and supports the FEA. You must also ensure the business case demonstrates 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? (LONG ANSWER)

Not applicable.

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. (MEDIUM ANSWER)

VHA HealtheVet VistA-2006

I.F.2.b) If "no," please explain why? (LONG ANSWER)

I.F.3) Is this investment identified in a completed (contains a target architecture) and approved segment architecture?

Yes

I.F.3.a) If "yes," provide the name of the segment architecture as provided in the agency's most recent annual EA Assessment.(MEDIUM ANSWER)

Health Segment

I.F.3) FEA SERVICE REFERENCE MODEL:

I.F.3) 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.whitehouse.gov/omb/egov/.

SERVICE COMPONENT TABLE:

	Agency Component Name(SHORT ANSWER)	Agency Component Description (MEDIUM ANSWER)	FEA SRM Service Type	FEA SRM Component (a*)	FEA Service Component Reused : Component Name (b*)	FEA Service Component Reused : UPI (b*)	Internal or External Reuse? (c*)	BY Funding Percentage (d*)
1	Archive Service	VistA-FM provides a common archive service used by all HealtheVet applications and services to archive from production systems data that has become inactive	Records Management	Document Retirement			No Reuse	0.500
2	Integrated Master Schedule (IMS)	VistA-FM provides coordination and phasing of infrastructure, common services, and application reengineering in alignment with VA requirements and external commitments.	Management of Processes	Program / Project Management			No Reuse	2.500
3	Person Service Lookup	VistA-FM provides a common person lookup service that includes capabilities for the programmatic lookup of person records of all roles (patient, user, provider, etc.)	Document Management	Indexing			No Reuse	3.000

4	Standard Data Services (SDS)	VistA-FM provides a standard data service that supports the distribution and maintenance of nationally controlled reference tables.	Knowledge Management	Information Retrieval			No Reuse	2.000
5	Person Service Lookup	VistA-FM provides a common person lookup service that includes the maintenance of relationships between applications and patient identity and demographics information.	Knowledge Management	Information Mapping / Taxonomy			No Reuse	4.000
6	Standards & Terminology Services (STS)	Standards & Terminology Services oversees the definition of the various domains of Veteran data to ensure consistency across VHA and with Federal standards; this is fundamental to the data cleansing and migration that will map existing data stores to those used for the HealtheVet EHR.	Knowledge Management	Categorization			No Reuse	2.100
7	Standards & Terminology Services (STS)	VistA-FM provides a standard data service that supports the distribution and maintenance of nationally controlled reference tables.	Knowledge Management	Information Sharing			No Reuse	2.100
8	Standards & Terminology Services (STS)	Standards & Terminology Services oversees implementation and consistency of clinical terminology standards to enable the clinical unity and computability of the EHR.	Knowledge Management	Information Mapping / Taxonomy			No Reuse	2.100

9	Vitria	Vitria BusinessWare, together with Delivery Service, provides the middleware services for the service oriented architecture of the re-hosted/re-engineered applications.	Development and Integration	Enterprise Application Integration			Internal	6.000
10	Standards & Terminology Services	Standards & Terminology services support the redesigning of disparate information systems into one system that uses a common set of data.	Development and Integration	Enterprise Application Integration			No Reuse	2.100
11	Business Analytical Service	VistA-FM applications will provide the capability to provide standard reports of Veteran health information	Reporting	Standardized / Canned			No Reuse	2.500
12	Delivery Service / Naming/Directory Service	VistA-FM will develop a common delivery service for the transfer and synchronization of data amongst VHA systems across the selected architecture as well as external systems; a common dynamic routing service which determines the appropriate list for the delivery of events based on the need for synchronization, topic, and subscriber; and a common naming/directory service (used by the delivery service) to provide support for the mapping of logical destinations to physical destinations.	Data Management	Data Exchange			No Reuse	2.000

13	Standards & Terminology Services (STS)	Standards & Terminology Services will develop a common meta data service that provides for the storage and retrieval of terminology related metadata for data elements in use across VHA IT systems.	Data Management	Meta Data Management			No Reuse	2.100
14	Standards & Terminology Services (STS)	Standards & Terminology Services will provide the rules that govern the data cleansing that will occur in mapping existing data stores to the unified EHR.	Data Management	Data Cleansing			No Reuse	2.100
15	Architectural Framework	Architectural framework upgrades incorporate continuity of operations (COOP) capabilities for the restoration and stabilization of operational VHA data sets to a consistent, desired state.	Data Management	Data Recovery			No Reuse	7.000
16	Architectural Framework	The architectural framework component of VistA-FM prescribes the phased approach for the identification, upgrade, allocation, and replacement of VistA servers and storage devices.	Asset / Materials Management	Computers / Automation Management			No Reuse	7.000

17	VistALink	The phased integration of VistA-FM architectural framework and application components includes communication between upgraded components and VistA components to ensure continuity of service to the Veteran.	Development and Integration	Legacy Integration			No Reuse	6.000
18	Standards & Terminology Services (STS)	Standards & Terminology functions as a content provider server, providing standardized terms and vocabularies for use by requesting VHA automated systems.	Knowledge Management	Information Retrieval			No Reuse	2.100
19	Standards & Terminology Services (STS)	Standards & Terminology services functions as a content provider of data that is used by multiple consumers.	Knowledge Management	Information Sharing			No Reuse	2.100
20	Infrastructure & Security Services (ISS)	VistA-FM provides secure access to health records, including secure authentication of the requestor's identity in compliance with Federal security and privacy mandates.	Security Management	Identification and Authentication			No Reuse	2.100
21	Infrastructure & Security Services (ISS)	VistA-FM provides secure access to health records for clinicians, including access controls to a repository of veterans data.	Security Management	Access Control			No Reuse	1.000
22	Audit Service	VistA-FM provides a common audit service that captures system activity, including the access to and editing of data, etc.	Security Management	Audit Trail Capture and Analysis			No Reuse	0.500

23	Architectural Framework	VistA-FM architectural framework upgrades include use of enterprise software licenses and the enterprise level management of the usage of those licenses.	Systems Management	License Management			No Reuse	7.000
24	Architectural Framework	VistA-FM architectural framework upgrades include use of enterprise system management capabilities for the remote monitoring and administration of hardware and software components.	Systems Management	Remote Systems Control			No Reuse	7.000
25	Architectural Framework	VistA-FM architectural framework upgrades include use of enterprise system management capabilities to monitor and balance system usage.	Systems Management	System Resource Monitoring			No Reuse	7.000
26	Architectural Framework	VistA-FM architectural framework upgrades include use of enterprise system management capabilities for software distribution to install and upgrade system software and applications across the distributed architecture.	Systems Management	Software Distribution			No Reuse	7.000

27	Test Lab	VistA-FM establishes a Test Lab capability which provides a robust infrastructure that incorporates capacity planning, design and development services, prototyping, demonstration, independent verification and validation (IV&V), and operational performance capability assessment	Development and Integration	Instrumentation and Testing			No Reuse	7.000
28	Standards & Terminology Services (STS)	Standards & Terminology Services oversees implementation and consistency of clinical terminology standards to enable the clinical unity and computability of the EHR.	Knowledge Management	Knowledge Distribution and Delivery			No Reuse	2.100
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NOTE:

(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 funding level transferred to another agency to pay for the service.*

I.F.4) FEA TECHNICAL REFERENCE MODEL:

I.F.4) To demonstrate how this major IT investment aligns with Reference Model (TRM), please list the Service Areas, Service Specifications supporting this IT investment.

TECHNICAL REFERENCE MODEL TABLE:

	FEA SRM Component (a*)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard
1	Document Retirement	Service Access and Delivery	Access Channels	Web Browser
2	Program / Project Management	Component Framework	Data Management	Reporting and Analysis
3	Indexing	Service Access and Delivery	Access Channels	Other Electronic Channels
4	Information Retrieval	Service Interface and Integration	Interoperability	Data Format / Classification
5	Information Mapping / Taxonomy	Service Access and Delivery	Delivery Channels	Intranet
6	Categorization	Service Interface and Integration	Interoperability	Data Types / Validation
7	Information Sharing	Service Access and Delivery	Service Requirements	Legislative / Compliance
8	Information Mapping / Taxonomy	Service Access and Delivery	Access Channels	Web Browser
9	Enterprise Application Integration	Service Interface and Integration	Integration	Middleware
10	Enterprise Application Integration	Service Interface and Integration	Integration	Enterprise Application Integration
11	Standardized / Canned	Component Framework	Data Management	Reporting and Analysis
12	Data Exchange	Service Platform and Infrastructure	Delivery Servers	Web Servers
13	Meta Data Management	Component Framework	Data Management	Reporting and Analysis
14	Data Cleansing	Service Interface and Integration	Interoperability	Data Transformation

15	Data Recovery	Service Platform and Infrastructure	Database / Storage	Storage
16	Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers
17	Legacy Integration	Service Interface and Integration	Integration	Middleware
18	Information Retrieval	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)
19	Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)
20	Identification and Authentication	Component Framework	Security	Supporting Security Services
21	Access Control	Component Framework	Security	Certificates / Digital Signatures
22	Audit Trail Capture and Analysis	Component Framework	Security	Supporting Security Services
23	License Management	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on
24	Remote Systems Control	Component Framework	Presentation / Interface	Content Rendering
25	System Resource Monitoring	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers
26	Software Distribution	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers
27	Instrumentation and Testing	Service Platform and Infrastructure	Software Engineering	Test Management
28	Knowledge Distribution and Delivery	Service Interface and Integration	Integration	Middleware
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NOTE:

(a) - Service Components identified in the previous question(I.F.3) 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.*

I.F.5) Will the application leverage existing components and/or applications across the Government (i.e., FirstGov, Pay.Gov, etc)?

Yes

I.F.5.a) If "yes," please describe. (LONG ANSWER)

VHA is leveraging the Federal interagency initiative, Consolidated Health Informatics (CHI), to identify standards for interoperability of health care information. This is part of the President's eGov initiative, with OMB oversight. Participants include DoD, HHS, NIH, IHS, CDC, and FDA. Standardization efforts amongst these organizations will enable data sharing for improved nationwide healthcare.

I.F.6) Does this investment provide the public with access to a government automated information system?

No

I.F.6.a) If "yes," does customer access require specific software (e.g., a specific web browser version)?

PART II - B

PART II: PLANNING, ACQUISITION AND PERFORMANCE INFORMATION

Part II should be completed only for investments which in FY2008 will be in "Planning" or "Full Acquisition," investments, i.e., selected one of these three choices in response to Question 6 in Part I, Section A above.

OMB Text Limitations - SHORT ANSWER(250 Characters), MEDIUM ANSWER(500 Characters) and LONG ANSWER(2500 Characters)

Section B - RISK MANAGEMENT (All Capital Assets)

II.B.1) Does the investment have a Risk Management Plan?

Yes

II.B.1.a) If "yes," what is the date of the plan?

Jan 1, 2007

II.B.1.b) Has the Risk Management Plan been significantly changed since last year's submission to OMB?

No

II.B.1.c) If "yes," describe any significant changes: (LONG ANSWER)

II.B.2) If there currently is no plan, will a plan be developed?

II.B.2.a) If "no," what is the strategy for managing the risks? (LONG ANSWER)

II.B.3) Briefly describe how investment risks are reflected in the life cycle cost estimate and investment schedule: (LONG ANSWER)

Risk management in the VistaFM investment is a formal and structured process during which risks are systematically identified, analyzed, handled, and monitored. This risk management process was applied early on in the development phase of this investment and it continues to be applied today. This provides the program manager with a disciplined environment for decision making and for the efficient use of limited program resources. The risk management process allows the VistaFM program and project managers to identify more obscure and lower-level risk that could potentially evolve into major threats to the success of the investment. Risk associated with Cost and schedule are quantified when possible and risk information is also included in the investment bidding and budget formulations to allow a comprehensive identification and quantification throughout the entire investment lifecycle. Additionally, all areas of the investment are utilizing Earned Value techniques to not only help highlight possible additional risks, but to also maintain a continuous updated estimate of near term costs (up to one year) which is "adjusted" for risks which have been consumed, avoided, accepted or newly anticipated in the near future. Thereby, this process allows the investment to continually monitor, control and proactively manage investment risks. Firm Fixed Priced contracts are being utilized as a risk mitigation strategy.

PART II - C

Part II: Planning, Acquisition And Performance Information

Part II should be completed only for investments which in FY2008 will be in "Planning" or "Full Acquisition," investments, i.e., selected one of these three choices in response to Question 6 in Part I, Section A above.

OMB Text Limitations - SHORT ANSWER(250 Characters), MEDIUM ANSWER(500 Characters) and LONG ANSWER(2500 Characters)

C) Cost and Schedule Performance:

Identify in this section the proposed change to the original or current OMB-approved baseline. What are the new cost and schedule goals for the phase or segment/module (e.g., what are the major investment milestones or events; when will each occur; and what is the estimated cost to accomplish each one)? If this is a new investment in the FY 2008 Budget year or if the agency does not intend to propose a new baseline modification, this section will be blank for your budget submission.

II.C.1) Does the earned value management system meet the criteria in ANSI/EIA Standard – 748?

No

II.C.3) Has the investment re-baselined during the past fiscal year?

No

II.C.3.a) If "Yes", when was it approved by the Agency head?

II.C.4) Comparison of Initial Baseline and Current Approved Baseline:

II.C.4) Complete the following table to compare actual performance against the current performance baseline and to the initial performance baseline. In the Current Baseline section, for all milestones listed, you should provide both the baseline and actual completion dates (e.g., "03/23/2003"/ "04/28/2004") and the baseline and actual total costs (in $ Millions).

Description of Milestone	Init BL Planned Completion Date	Current BL Completion Date Planned	Current BL Completion Date Actual
ANALYZE, IMPLEMENT & SUSTAIN STANDARD TERMINOLOGIES: Requirements Analysis for (5 of 32) Domains, Develop, Test and Deploy (3 of 32) Domains, Analyze, Data Model and Deploy Periodic Updates for Enterprise Terminologies for (3 of 32) Domains		Sep 30, 2005	Sep 30, 2005
ANALYZE, IMPLEMENT & SUSTAIN STANDARD TERMINOLOGIES: Requirements Analysis for (5 of 32) Domains, Develop, Test and Deploy (5 of 32) Domains, Analyze, Data Model and Deploy Periodic Updates for Enterprise Terminologies for (8 of 32) Domains		Sep 30, 2007	
ANALYZE, DEVELOP AND SUSTAIN COMMON SERVICES: Evaluate Prototypes of 3 Common Services (Audit, Archive & Exception), Analyze and Develop Prototype for 1 Common Service (Organization Service), Analyze and Deploy Periodic Updates for 6 Common Services		Sep 30, 2006	Oct 27, 2006

ANALYZE, DEVELOP AND SUSTAIN COMMON SERVICES: Analysis existing & future common services in support of Services Oriented Architecture Define plan for future common services based on enterprise architecture requirements Define development priorities		Sep 30, 2007	Sep 28, 2007
SELECTING AND IMPLEMENTING THE PLATFORM: - Platform Analysis		Sep 30, 2006	
SELECTING AND IMPLEMENTING THE PLATFORM: - Preliminary Analysis Complete.		Sep 30, 2007	Sep 28, 2007
REENGINEERING OF APPLICATIONS: - Requirements, Analysis/Design		Sep 30, 2005	Sep 30, 2005
REENGINEERING OF APPLICATIONS: - Preliminary Analysis Complete.		Sep 30, 2007	Sep 29, 2007
TEST LAB: - Test Lab Preliminary Analysis Completed.		Sep 30, 2007	Sep 28, 2007
TEST LAB: - Validate Test Lab Design against Requirements Completed.		Sep 30, 2008	
ONGOING OPERATIONS: Maintenance costs related to the transition of Vista Legacy resources to HealtheVet-VistA		Sep 30, 2007	
IV&V: - Perform IV&V of Preliminary Analysis Completed.		Sep 30, 2007	
IV&V: - Perform IV&V of Final Analysis and requirements completed.		Sep 30, 2009	
ANALYZE, IMPLEMENT & SUSTAIN STANDARD TERMINOLOGIES: Requirements Analysis for (8 of 32) Domains, Develop, Test and Deploy (1 of 32) Domains, Analyze, Data Model and Deploy Periodic Updates for Enterprise Terminologies for (4 of 32) Domains		Sep 30, 2006	Jan 29, 2007
ANALYZE, IMPLEMENT & SUSTAIN STANDARD TERMINOLOGIES: Requirements Analysis for (6 of 32) Domains, Develop, Test and Deploy (6 of 32) Domains, Analyze, Data Model and Deploy Periodic Updates for Enterprise Terminologies for (14 of 32) Domains		Sep 30, 2008	
ANALYZE, DEVELOP AND SUSTAIN COMMON SERVICES: Requirements Analysis, Contract Award and Evaluation of 3 Common Services, Develop, Test and Deploy Initial Releases of 8 Common Services,		Sep 30, 2005	Sep 30, 2005
ANALYZE, DEVELOP AND SUSTAIN COMMON SERVICES: -Validation of Requirements Against Architecture Completed Final Analysis & Requirements Completed		Sep 30, 2008	
SELECTING AND IMPLEMENTING THE PLATFORM: - Purchase of Software Licenses		Sep 30, 2005	Sep 30, 2005
REENGINEERING OF APPLICATIONS: - App Dev Process Security: Reengineer CPRS; Reengineer HeV Foundations		Sep 30, 2006	
HeV-Vista PMO STAFFING: - Project Staffing		Sep 30, 2006	
HeV-Vista PMO STAFFING: - Project Staffing		Sep 30, 2007	
