

## VistA-Foundations Modernization - 2008

### 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 11, 2006

*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-2008

*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 FY2008? (Please NOTE: Investments moving to O&M ONLY in FY2008, with Planning/Acquisition activities prior to FY2008 should not select O&M. These investments should indicate their current status.)*

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, addressing Presidential Management Agenda and congressional mandates the transition is a necessity. Primary achievement will be through transition of VistA to Vista-Foundations Modernization (hereafter VistA-FM) project.

Vista-Legacy (hereafter Vista) is the largest and best electronic medical record system in the world consisting of 108 applications at 128 sites. Vista is costly to maintain, applications are written on 20 year old technology, improvements are needed such as: data storage in veteran-centric format; standard data that is shareable across the enterprise to provide advanced clinical decision support; conversion from the MUMPS language which is difficult to support as qualified MUMPS software developers are diminishing.

The VistA-FM migration effort is comprised of the following components: Architectural Framework, Standards & Terminology Services (formerly Data Standardization), Common Services, Test Lab, Independent Verification & Validation (IV&V), Architecture & Engineering, Project Management, Administrative Data Repository and National Provider Identifier.

These components are critical to providing incremental & immediate benefits to HealthVet current/future capability. The new architecture will greatly improve system affordability, scalability, interoperability, and performance. The components of VistA-FM are focused on establishing a common architecture that will eliminate redundancies in coding, support common terminology sources between applications and promote software and data reuse. Additional integration of data sources and reduction/elimination duplicate software applications will take place in the Vista-Applications Development OMB 300 that undertakes the primary responsibility of developing applications for the VistA-FM framework.

Support of PMA items Expanded Electronic Government and Coordination of VA and DoD programs and Systems are being accomplished through standardizing data in conjunction with 20 other federal agencies via the Consolidated Health Informatics (CHI) initiative. This facilitates sharing of data with DoD and ensures the ability to meet the President's goal of a portable electronic health record within 10 years. Additional PMA goals also addressed are Strategic Management of Human Capital and Competitive Sourcing via acquisition strategy and fewer operating locations will reduce manpower.

*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 13, 2006

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	Roger Sigley, Project Manager	(801)588-5263	Roger.Sigley@med.va.gov

I.A.12) Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project.

No

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
Yes	Human Capital	- Human Capital
		- Budget Performance Integration
		- Financial Performance
Yes	Expanded E-Government	- Expanded E-Government
Yes	Competitive Sourcing	- 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 describe how this asset directly supports the identified initiative(s)?(MEDIUM ANSWER)

Coordination of VA & DoD Programs & Systems  
 In conjunction with e-Gov, HealthVet ensures interoperability of DoD & VA clinical data repositories.  
 Strategic Management of Human Capital  
 Availability of the longitudinal EHR will assure health information is available to authorized healthcare providers and payers.  
 Expanded E-Gov  
 HealthVet will eliminate current inefficiencies of a location-based patient record.  
 Competitive Sourcing  
 Government and industry resources will be used.

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](http://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 1

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 identified as "high risk" on the Q4 - FY 2006 agency high risk report (per OMB's "high risk" memo)?

No

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 FFIA (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	33.44
% Software	5.85
% Services	60.71
% 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:

<b>Contact Name: (SHORT ANSWER)</b>	Heidi Hamzi
<b>Phone Number:</b>	(202)565-8346
<b>Title: (SHORT ANSWER)</b>	IT Specialist
<b>E-mail: (SHORT ANSWER)</b>	Heidi.Hamzi@va.gov

I.A.23) Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval?

No

**PART I - B**

**PART I: SUMMARY INFORMATION AND JUSTIFICATION**

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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 2006	CY 2007	BY 2008
<b>Planning</b>				
<b>Budgetary Resources</b>	2.970	0.000	0.000	0.000
<b>Acquisition</b>				
<b>Budgetary Resources</b>	33.590	20.675	63.145	67.580
<b>Total, Sum of Stages</b>				
<b>Total, Resources (Plan &amp; Acq)</b>	36.560	20.675	63.145	67.580
<b>Operations &amp; Maintenance</b>				
<b>Budgetary Resources</b>	0.000	0.000	0.000	0.000
<b>Total, All Stages Resources</b>	36.560	20.675	63.145	67.580
<b>Government FTE Costs</b>	9.168	9.227	24.123	30.000
<b>Govt. FTE Numbers</b>	87	84	211	263
<b>Total, All Stages Resources + FTE</b>	45.728	29.902	87.268	97.580

*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.

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

The baseline shown in this Exhibit 300 is the latest approved by the Office of Management and Budget (OMB). A revised baseline reflecting the amounts shown in the BY 2008 Summary of Funding table is pending OMB approval.

<b>PART I - C</b>
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<b>PART I: SUMMARY INFORMATION AND JUSTIFICATION</b>
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<b>Section C: Acquisition/Contract Strategy (All Capital Assets)</b>
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<i>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)</i>
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Some of the contracts pre-date the Earned Value requirement. All future contracts will include Earned Value requirements and will also be changing to Performance Based contracting. Performance based contracting is designed to ensure that contractors are given freedom to determine how to meet the Government's performance objectives, performance quality levels are achieved and that payment is made only for services that meet the performance levels.
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<i>I.C.2) Do the contracts ensure Section 508 compliance?</i>
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Yes
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<i>I.C.2.a) If the Contracts WILL NOT ensure Section 508 Compliance, explain why:</i>
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<i>I.C.3) Is there an acquisition plan which has been approved in accordance with agency requirements?</i>
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Yes
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<i>I.C.3.a) If "yes," what is the date?</i>
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Jun 26, 2006
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<i>I.C.3.b) If "no," will an acquisition plan be developed?</i>
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<i>I.C.3.b.1) If "no," briefly explain why: (MEDIUM ANSWER)</i>
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**PART I - D**

**PART I: SUMMARY INFORMATION AND JUSTIFICATION**

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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	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvements to the Baseline	Actual Results
2007	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.	Three of 32 domains have been completed (during FY 2005).
2007	Customer Results	Data Reliability and Quality	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. A new baseline will be set with year-end 2006 ICN counts.	Decrease the number of local ICN counts to less than 35,000. This measurement supports all three agency goals listed in section IB. Justification. It also addresses the PMA goals 1, 4 and 14 listed in section IB. Justification.	This project didn't get funded until 2/14/06. As such, results will be determined at the end of FY 2008.
2008	Technology	Data Reliability and Quality	Support VA medical research and development programs	The data in the VistA patient record is not	VistA data will be incrementally standardized, utilizing	Results will be determined

			that address veterans' needs by making available standardized, computable data. Utilize national standards in the identified domains.	standardized as of FY2006.	national standards (such as Consolidated Health informatics (CHI), SNOMED, LOINC etc.) in the identified domains. The terminologies implemented will be reusable in HealtheVet.	at the end of FY 2008.
2008	Customer Results	Data Reliability and Quality	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. A new baseline will be set with year-end 2006 ICN counts.	Decrease the number of local ICN counts to less than 35,000. This measurement supports all three agency goals listed in section IB. Justification. It also addresses the PMA goals 1, 4 and 14 listed in section IB. Justification.	Results will be determined at the end of FY 2008.
2007	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	Processes and Activities	External Data Sharing	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 coputable and automated fashion for Laboratory (Chemistry and Hematology) tests.	Results will be determined at the end of FY 2007.
2008	Mission and Business Results	Integration	Begin phased installation and implementation of enterprise architectural framework for re-hosted/reengineered healthcare applications.	Current VistA at 128 sites.	Rehosted/reengineered applications developed in J2EE and implemented at Remote Data Processing Centers (RDPC) and local systems dependent upon analysis taking place in FY07 to validate VHA health IT requirements.	Results will be determined at the end of FY 2008.
2008	Processes and Activities	External Data Sharing	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 coputable and automated fashion for Laboratory (Microbiology) tests.	Results will be determined at the end of FY 2008.



**PART I - E**

**PART I: SUMMARY INFORMATION AND JUSTIFICATION**

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**Section E: Security and Privacy (IT Capital Assets only)**

**System/Application Level Information:**

*In order to successfully address this area of the business case, each question below must be answered at the system/application level, not at a program or agency level. Systems supporting this investment on the planning and operational systems security tables should match the systems on the privacy table below. Systems on the Operational Security Table must be included on your agency FISMA system inventory and should be easily referenced in the inventory (i.e., should use the same name or identifier).*

*All systems supporting and/or part of this investment should be included in the tables below, inclusive of both agency owned systems and contractor systems. For IT investments under development, security and privacy planning must proceed in parallel with the development of the system(s) to ensure IT security and privacy requirements and costs are identified and incorporated into the overall lifecycle of the system(s).*

*I.E.1) Identified the IT security costs for the system(s) and have integrated those costs into the overall costs of the investment:*

Yes

*I.E.2) Is identifying and assessing security and privacy risks a part of the overall risk management effort for each system supporting or part of this investment.*

Yes

*I.E.3) Have any weaknesses, not yet remediated, related to any of the systems part of or supporting this investment been identified by the agency or IG?*

No

*I.E.3.a) If "yes," have those weaknesses been incorporated into the agency's plan of action and milestone process?*

**PART I - F**

**PART I: SUMMARY INFORMATION AND JUSTIFICATION**

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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) 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	Document Review and Approval		No Reuse	0.000
2	Integrated Master Schedule (IMS)	VistA-FM provides coordination and phasing of infrastructure, common services, and application reengineering in	Management of Processes	Requirements Management	Requirements Management		No Reuse	0.000

		alignment with VA requirements and external commitments.						
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	Indexing		No Reuse	0.000
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	Information Retrieval		No Reuse	0.000
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	Information Mapping / Taxonomy		No Reuse	0.000
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	Categorization		No Reuse	0.000
7	Standards & Terminology Services (STS)	VistA-FM provides a standard data service that supports the	Knowledge Management	Information Sharing	Information Sharing		No Reuse	0.000

		distribution and maintenance of nationally controlled reference tables.						
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	Information Mapping / Taxonomy		No Reuse	0.000
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	Enterprise Application Integration	029-00-01-11-01-1180-00	Internal	50.000
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	Enterprise Application Integration		No Reuse	0.000
11	Business Analytical Service	Vista-FM applications will provide the capability to provide standard reports of Veteran health information	Reporting	Standardized / Canned	Standardized / Canned		No Reuse	0.000
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	Data Management	Data Exchange	Data Exchange		No Reuse	0.000

		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.						
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	Meta Data Management		No Reuse	0.000
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	Data Cleansing		No Reuse	0.000
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	Data Recovery		No Reuse	0.000
16	Architectural Framework	The architectural framework component of VistA-FM prescribes the phased approach for the identification, upgrade,	Asset / Materials Management	Computers / Automation Management	Computers / Automation Management		No Reuse	0.000

		allocation, and replacement of VistA servers and storage devices.						
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	Legacy Integration		No Reuse	0.000
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	Information Retrieval		No Reuse	0.000
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	Information Sharing		No Reuse	0.000
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	Identification and Authentication		No Reuse	0.000
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	Access Control		No Reuse	0.000
22	Audit Service	VistA-FM	Security	Audit Trail	Audit Trail		No Reuse	0.000

		provides a common audit service that captures system activity, including the access to and editing of data, etc.	Management	Capture and Analysis	Capture and Analysis			
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	License Management		No Reuse	0.000
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	Remote Systems Control		No Reuse	0.000
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	System Resource Monitoring		No Reuse	0.000
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	Software Distribution		No Reuse	0.000
27	Test Lab	VistA-FM establishes a Test Lab capability which	Development and Integration	Instrumentation and Testing	Instrumentation and Testing		No Reuse	0.000

		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						
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	Enterprise Application Integration	Enterprise Application Integration		No Reuse	0.000
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	<b>NOTE:</b>
	(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	Customer / Account Management	Service Access and Delivery	Data Management	Web Browser
2	Email	Service Access and Delivery	Access Channels	Collaboration / Communications
3	Customer / Account Management	Service Access and Delivery	Access Channels	Other Electronic Channels
4	Online Help	Service Access and Delivery	Delivery Channels	Internet
5	Online Help	Service Access and Delivery	Delivery Channels	Intranet
6	Information Sharing	Service Access and Delivery	Delivery Channels	Extranet
7	Customer / Account Management	Service Access and Delivery	Service Requirements	Legislative / Compliance
8	Identification and Authentication	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on
9	Information Retrieval	Service Access and Delivery	Service Transport	Supporting Network Services
10	Information Sharing	Service Access and Delivery	Service Transport	Service Transport
11	Information Mapping / Taxonomy	Service Platform and Infrastructure	Support Platforms	Platform Independent
12	Information Sharing	Service Platform and Infrastructure	Delivery Servers	Web Servers
13	Data Exchange	Service Platform and Infrastructure	Delivery Servers	Application Servers
14	Meta Data Management	Service Platform and Infrastructure	Database / Storage	Database
15	Knowledge Capture	Service Platform and	Database / Storage	Storage

		Infrastructure		
16	Customer / Account Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers
17	Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices
18	Computers / Automation Management	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	Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards
21	Identification and Authentication	Component Framework	Security	Certificates / Digital Signatures
22	Customer / Account Management	Component Framework	Presentation / Interface	Static Display
23	Customer / Account Management	Component Framework	Presentation / Interface	Dynamic Server-Side Display
24	Customer / Account Management	Component Framework	Presentation / Interface	Content Rendering
25	Customer / Account Management	Component Framework	Business Logic	Platform Independent
26	Data Exchange	Component Framework	Data Interchange	Data Exchange
27	Meta Data Management	Component Framework	Data Management	Database Connectivity
28	Customer / Account Management	Service Interface and Integration	Integration	Middleware
29	Legacy Integration	Service Interface and Integration	Integration	Enterprise Application Integration
30	Categorization	Service Interface and Integration	Interoperability	Data Format / Classification
31	Customer / Account Management	Service Interface and Integration	Interface	Service Description / Interface
32	Simulation	Service Platform and Infrastructure	Software Engineering	Test Management
33	Enterprise Application Integration	Service Interface and Integration	Integration	Middleware
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	NOTE:
	<i>(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</i>
	<i>(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>
	<i>I.F.5) Will the application leverage existing components and/or applications across the Government (i.e., FirstGov, Pay.Gov, etc)?</i>
	Yes
	<i>I.F.5.a) If "yes," please describe. (LONG ANSWER)</i>
	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>I.F.6) Does this investment provide the public with access to a government automated information system?</i>
	No
	<i>I.F.6.a) If "yes," does customer access require specific software (e.g., a specific web browser version)?</i>

**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?*

Jun 26, 2006

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

Yes

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

Initial plan development, previously there was just a risk list and not a formal plan.

*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)*

Project and investment risks are not reflected in FY07 due to project start date and the inability to adjust funding levels for FY07. A risk reserve is planned in FY08 and will be implemented based on the analysis that will take place during FY07 which will clarify all risks. Projects currently establish risk reserves if possible.

**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) Is the department requesting a change in the performance baseline?*

Yes

*II.C.2) Does the earned value management system meet the criteria in ANSI/EIA Standard – 748?*

No

*II.C.3) What costs are included in the reported Cost/Schedule Performance information (Government Only/Contractor Only/Both)? (Per OMB requirements Cost/Schedule Performance information should include both Government and Contractor Costs).*

Contractor and Government

**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	
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	
SELECTING AND IMPLEMENTING THE PLATFORM: - Platform Analysis		Sep 30, 2006	
SELECTING AND IMPLEMENTING THE PLATFORM: - Preliminary Analysis Complete.		Sep 30, 2007	
REENGINEERING OF APPLICATIONS: - Requirements, Analysis/Design		Sep 30, 2005	Sep 30, 2005
REENGINEERING OF APPLICATIONS: - Preliminary Analysis		Sep 30, 2007	

Complete.			
TEST LAB: - Test Lab Preliminary Analysis Completed.		Sep 30, 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 HealthVet-Vista		Sep 30, 2007	
IV&V: - Perform IV&V of Preliminary Analysis Completed.		Sep 30, 2007	
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	
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	