

VistA-Imaging - 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-Imaging-2008

I.A.5) Unique Project(Investment) Identifier: Update the UPI using the Exhibit 53 tab.

029-00-01-11-01-1181-00

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.)

Operations and Maintenance

I.A.7) What was the first budget year this investment was submitted to OMB?

FY2004

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)

The VistA Imaging Project integrates state-of-the-art hardware and software to provide online patient clinical images and scanned documents to healthcare providers, increase clinician productivity, facilitate medical decision-making, and improve the quality of care for veterans. VistA Imaging captures clinical images, scanned documents, EKG waveforms and other non-textual data files and makes them part of the computerized patient record (CPRS). VistA Imaging is a windows-based, low cost imaging display software that runs on COTS workstations and is totally integrated with the other VistA healthcare applications, thus enhancing workflow. Clinical images and scanned documents linked to online medical chart information are essential in providing healthcare in VHA's distributed environment and in complying with hospital accreditation regulations. With the advent of VistA Imaging, the VA now leads the nation in integrating diagnostic images into the electronic health record. The VistA Imaging project has installed or upgraded VistA Imaging capabilities at all VA medical centers. Planned enhancements to VistA Imaging have provided VAMCs with the capability to view their patients' images even when stored at other VA medical centers and to see dental images online. Additional enhancements to VistA Imaging are addressed in the OMB Exhibit 300 for VistA Applications Development.

The goal of this project's maintenance phase is to maintain the software and hardware of the VistA Imaging System at facilities in the field throughout the lifecycle of the project (which ends in 2011). Maintenance is provided for all VistA Imaging System components at all sites. Equipment is also upgraded, refreshed with new technology, or replaced in this phase.

This project was approved by the VA CIO Council in 2001 and by the Strategic Management Committee in the second quarter of FY 2002. The VistA Imaging System application documentation was reviewed at that time and annually since then and was found to be in conformance with VHA architectural standards, the direction described in the VHA Enterprise Architecture (EA), and the standards prescribed by the Technical Reference Model/Standards Profile section of the VHA EA. The Exhibit 300s prepared for VistA Imaging have been reviewed and approved by the VA and OMB each of the past four years. VistA Imaging's next milestone review will be Milestone 4, at the end of the project.

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	Dayhoff, Ruth E (M.D.)	301-734-0112	ruth.dayhoff@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.

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)

No

I.A.12.b.1) If "yes," is an ESPC or UESC being used to help fund this investment?

I.A.12.b.2) If "yes," will this investment meet sustainable design principles?

I.A.12.b.3) If "yes," is it designed to be 30% more energy efficient than relevant code? (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
		- Coordination of VA & DoD Programs and Systems

I.A. 13.b) Briefly describe how this asset directly supports the identified initiative(s)?(MEDIUM ANSWER)

Expanding Electronic Government:
G2C - Provides image-enabled medical records that enhance the functionality of an electronic patient record and improve quality and safety of medical care to veterans.

G2G - Collaborated with HHS and DoD to develop standards for electronic exchange of imaging information. Indian Health Service is using VistA Imaging in several pilot sites. VistA Imaging is working on joint VA/DOD projects to allow viewing of patient images by both agencies.

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 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)?

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 FFMA (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)

Not applicable

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	14.00
% Software	11.00
% Services	75.00
% 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)	Heidi Hamzi
Phone Number:	202-565-8346
Title: (SHORT ANSWER)	IT Specialist
E-mail: (SHORT ANSWER)	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?

Yes

PART I - B

PART I: SUMMARY INFORMATION AND JUSTIFICATION
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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 2006	CY 2007	BY 2008
Planning				
Budgetary Resources	0.000	0.000	0.000	0.000
Acquisition				
Budgetary Resources	82.514	11.809	0.000	0.000
Total, Sum of Stages				
Total, Resources (Plan & Acq)	82.514	11.809	0.000	0.000
Operations & Maintenance				
Budgetary Resources	57.178	28.982	24.000	24.000
Total, All Stages Resources	139.692	40.791	24.000	24.000
Government FTE Costs	69.866	26.762	15.840	17.090
Govt. FTE Numbers	694	248	150	150
Total, All Stages Resources + FTE	209.558	67.553	39.840	41.090

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?

No

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

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

The FY 2008 summary of funding table represents a decrease in FY 2007 funding to \$39.840 million from \$51.58 million. The \$39.84million represents a cut of \$11.74 million from previous projections for FY 2007 funding. This reduction decision was made by VHA due to reduced FY 2007 funding available to VHA. 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.

PART I - C

PART I: SUMMARY INFORMATION AND JUSTIFICATION
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Section C: Acquisition/Contract Strategy (All Capital Assets)
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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>

Earned value required for operations and maintenance projects.
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<i>I.C.2) Do the contracts ensure Section 508 compliance?</i>

Yes

<i>I.C.2.a) If the Contracts WILL NOT ensure Section 508 Compliance, explain why:</i>

<i>I.C.3) Is there an acquisition plan which has been approved in accordance with agency requirements?</i>
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Yes

<i>I.C.3.a) If "yes," what is the date?</i>

Aug 15, 2006

<i>I.C.3.b) If "no," will an acquisition plan be developed?</i>

<i>I.C.3.b.1) If "no," briefly explain why: (MEDIUM ANSWER)</i>

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
2006	Mission and Business Results	Record Retention	Record Retention: Availability of medical chart scanned documents and images which are official agency records with assigned retention schedules: Number of new images and documents acquired, stored and available online to clinicians.	The number of new electronic images and documents available online during FY2005 (104 million) will become the baseline for FY2006.	Number of new electronic images and documents available online will increase by 1% over the FY2005 baseline (to 105 million). This improvement supports the VA Strategic Plan Enabling Goal, Objective E-3.	Exceeded goal: As of the end of June 2006, the number of new images available online was 106 million, exceeding the planned improvement to the baseline by 1 million images.
2006	Customer Results	Customer Impact or Burden	Customer Impact or Burden: Use of electronic images, reducing burden of storage and retrieval of paper or film images: Number of images viewed by medical center staff.	The number of image accesses reported for FY2005 (68.4 million) will be the baseline for FY2006.	Clinicians will expand their use of electronic images and documents by 2% over the FY2005 baseline (to 69,700,000 images). This improvement supports the VA Strategic Plan Enabling Goal, Objective E-3.	Exceeded goal for 9 months and are on track to exceed annual goal: 62 million images were viewed during the first three quarters of FY2006.
2007	Mission and Business	Record Retention	Record Retention: Availability of	The number of new electronic	Number of new electronic images and	

	Results		medical chart scanned documents and images which are official agency records with assigned retention schedules: Number of new images and documents acquired, stored and available online to clinicians.	images and documents available online during the previous year will become the baseline for this year.	documents available online will increase by 1% over the FY2006 baseline. This improvement supports the VA Strategic Plan Enabling Goal, Objective E-3.	
2007	Customer Results	Customer Impact or Burden	Customer Impact or Burden: Use of electronic images, reducing burden of storage and retrieval of paper or film images: Number of images viewed by medical center staff.	The number of image accesses reported for FY2006 will be the baseline for FY2007.	Clinicians will expand their use of electronic images and documents by 1% more than the FY2006 baseline.	
2008	Mission and Business Results	Record Retention	Record Retention: Availability of medical chart scanned documents and images which are official agency records with assigned retention schedules: Number of new images and documents acquired, stored and available online to clinicians.	The number of new electronic images and documents available online during the previous year will become the baseline for this year.	Number of new electronic images and documents available online will increase by 1% over the FY2007 baseline. This improvement supports the VA Strategic Plan Enabling Goal, Objective E-3.	
2008	Customer Results	Customer Impact or Burden	Customer Impact or Burden: Use of electronic images, reducing burden of storage and retrieval of paper or film images: Number of images viewed by medical center staff.	The number of image accesses reported for FY2007 will be the baseline for performance for FY2008.	Clinicians will expand their use of electronic images and documents by 1% more than the FY2007 baseline.	
2006	Processes and Activities	Productivity	Percentage of image discrepancies identified in newly captured images requiring maintenance staff actions	The percentage of image discrepancies identified in newly captured images in FY2005 requiring maintenance staff actions (12%) shall be the baseline for FY2006	The percentage of image discrepancies identified in newly captured images requiring maintenance staff actions will decrease by 1% compared to the previous year. This improvement supports the VA Strategic Plan Enabling Goal, Objective E-3.	Exceeded goal: The percentage of image discrepancies identified in newly captured images in FY2006 requiring maintenance staff actions is expected to be 9%, exceeding the planned improvement to the baseline by 8%.
2007	Processes and Activities	Productivity	Percentage of image discrepancies identified in newly captured images requiring maintenance staff actions	The percentage of image discrepancies identified in newly captured images in FY2006 requiring maintenance	The percentage of image discrepancies identified in newly captured images requiring maintenance staff actions will decrease by 1% compared to the	

				staff actions shall be the baseline for FY2007	previous year. This improvement supports the VA Strategic Plan Enabling Goal, Objective E-3.	
2008	Processes and Activities	Productivity	Percentage of image discrepancies identified and fixed in newly captured images requiring maintenance staff actions	The percentage of image discrepancies identified and fixed in newly captured images requiring maintenance staff actions shall be the baseline for FY2008.	The percentage of image discrepancies identified and fixed in newly captured images requiring maintenance staff actions will decrease by 1% compared to the previous year. This improvement supports the VA Strategic Plan Enabling Goal, Objective E-3.	
2006	Technology	Internal Data Sharing	Number of images that are viewed annually by offsite specialists.	The average number of images viewed annually by offsite specialists in FY2005 (101,000) will be the baseline for FY2006.	The average number of images viewed annually by offsite specialists will increase by 1% over the previous year (to 102,000 images). This improvement supports the VA Strategic Plan Enabling Goal, Objective E-3.	On track to exceed goal: During the first three quarters of FY2006, 85,000 images were viewed by offsite specialists, equivalent to an increase of 11% over the planned improvement to the goal.
2007	Technology	Internal Data Sharing	Number of images that are viewed annually by offsite specialists.	The average number of images viewed monthly by offsite specialists in FY2006 will be the baseline for FY2007.	The average number of images viewed monthly by offsite specialists will increase by 1% over the previous year.	
2008	Technology	Internal Data Sharing	Number of images that are viewed annually by offsite specialists.	The average number of images viewed monthly by offsite specialists in FY2007 will be the baseline for FY2008.	The average number of images viewed monthly by offsite specialists will increase by 1% over the previous year.	

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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)

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 VistA Imaging - 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	Document Imaging and OCR	Scanning medical chart documents	Document Management	Document Imaging and OCR	Document Imaging and OCR		No Reuse	0.000
2	Document Referencing	Linking medical documents to medical reports	Document Management	Document Referencing	Document Referencing		No Reuse	0.000
3	Document Conversion	Change medical image file formats	Document Management	Document Conversion	Document Conversion		No Reuse	0.000
4	Library / Storage	Storage and archiving of scanned medical documents	Document Management	Library / Storage	Library / Storage		No Reuse	0.000
5	Document Review and	Electronic documents	Document Management	Document Review and	Document Review and		No Reuse	0.000

	Approval	and images shall comply with quality regulations		Approval	Approval			
6	Classification	Assigning categories to scanned documents	Document Management	Classification	Classification		No Reuse	0.000
7	Indexing	Retrieving images and documents using index terms	Document Management	Indexing	Indexing		No Reuse	0.000
8	Mathematical	Measure features in medical images	Analysis and Statistics	Mathematical	Mathematical		No Reuse	0.000
9	Mathematical	Capture of multimedia medical data	Visualization	Imagery	Imagery		No Reuse	0.000
10	Multimedia	Display of multimedia medical data	Visualization	Multimedia	Multimedia		No Reuse	0.000
11	Radiological	Support use of radiology images	Analysis and Statistics	Radiological	Radiological		No Reuse	0.000
12	Record Linking / Association	Associate images with medical record elements	Records Management	Record Linking / Association	Record Linking / Association		No Reuse	0.000
13	Document Classification	Categorize documents and images for retrieval at any site	Records Management	Document Classification	Document Classification		No Reuse	0.000
14	Information Retrieval	Allow clinicians to view digital images and documents	Knowledge Management	Information Retrieval	Information Retrieval		No Reuse	0.000
15	Information Mapping / Taxonomy	Allow use of images based on mapped categories	Knowledge Management	Information Mapping / Taxonomy	Information Mapping / Taxonomy		No Reuse	0.000
16	Information Sharing	Support sharing of documents and images across facilities	Knowledge Management	Information Sharing	Information Sharing		No Reuse	0.000
17	Knowledge Capture	Capture medical images and documents	Knowledge Management	Knowledge Capture	Knowledge Capture		No Reuse	0.000
18	Contingent Workforce Management	Use telemedicine to utilize services of alternative clinical	Human Capital / Workforce Management	Contingent Workforce Management	Contingent Workforce Management		No Reuse	0.000

		personnel						
19	Data Warehouse	Storage of Multimedia Medical Data	Data Management	Data Warehouse	Data Warehouse		No Reuse	0.000
20	Data Cleansing	Verify correctness of image and document data	Data Management	Data Cleansing	Data Cleansing		No Reuse	0.000
21	Data Exchange	Interface to COTS medical devices	Data Management	Data Exchange	Data Exchange		No Reuse	0.000
22	Data Recovery	Restore data integrity if necessary	Data Management	Data Recovery	Data Recovery		No Reuse	0.000
23	Data Integration	Import of information from COTS systems	Development and Integration	Data Integration	Data Integration		No Reuse	0.000
24	Instrumentation and Testing	Validation and testing of system	Development and Integration	Instrumentation and Testing	Instrumentation and Testing		No Reuse	0.000
25	Software Development	Create VistA Imaging Software and Enhancements	Development and Integration	Software Development	Software Development		No Reuse	0.000
26	Query	Allow clinicians to filter images and documents	Search	Query	Query		No Reuse	0.000
27	System Resource Monitoring	Measure system usage	Systems Management	System Resource Monitoring	System Resource Monitoring		No Reuse	0.000
28	Partner Relationship Management	Testing interfaces with commercial vendors	Customer Relationship Management	Partner Relationship Management	Partner Relationship Management		No Reuse	0.000
29	Personalization	Allow users to customize VistA Imaging software	Customer Preferences	Personalization	Personalization		No Reuse	0.000
30	Online Help	Provide online help for system users	Customer Initiated Assistance	Online Help	Online Help		No Reuse	0.000
31	Process Tracking	Monitor of image interpretation activities	Tracking and Workflow	Process Tracking	Process Tracking		No Reuse	0.000
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42								
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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 Imaging and OCR	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals
2	Document Referencing	Service Platform and Infrastructure	Database / Storage	Database
3	Document Conversion	Service Interface and Integration	Interoperability	Data Transformation
4	Library / Storage	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers
5	Document Review and Approval	Service Access and Delivery	Service Requirements	Legislative / Compliance
6	Classification	Service Platform and Infrastructure	Database / Storage	Database

7	Indexing	Service Platform and Infrastructure	Delivery Servers	Media Servers
8	Mathematical	Component Framework	Data Management	Reporting and Analysis
9	Imagery	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals
10	Multimedia	Component Framework	Presentation / Interface	Content Rendering
11	Radiological	Component Framework	Data Management	Reporting and Analysis
12	Record Linking / Association	Component Framework	Data Management	Database Connectivity
13	Document Classification	Component Framework	Data Management	Database Connectivity
14	Information Retrieval	Component Framework	Data Management	Database Connectivity
15	Information Mapping / Taxonomy	Component Framework	Data Management	Database Connectivity
16	Information Sharing	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)
17	Knowledge Capture	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers
18	Contingent Workforce Management	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)
19	Data Warehouse	Service Interface and Integration	Hardware / Infrastructure	Servers / Computers
20	Data Cleansing	Service Interface and Integration	Interoperability	Data Types / Validation
21	Data Exchange	Service Interface and Integration	Interface	Service Description / Interface
22	Data Recovery	Service Interface and Integration	Interoperability	Data Types / Validation
23	Data Integration	Service Interface and Integration	Interface	Service Description / Interface
24	Instrumentation and Testing	Service Platform and Infrastructure	Software Engineering	Test Management
25	Software Development	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment
26	Query	Component Framework	Data Management	Reporting and Analysis
27	System Resource Monitoring	Service Platform and Infrastructure	Software Engineering	Test Management
28	Partner Relationship Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management
29	Personalization	Component Framework	Data Management	Reporting and Analysis
30	Online Help	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment
31	Process Tracking	Service Access and Delivery	Access Channels	Collaboration / Communications
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	<i>NOTE:</i>
	<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>
	This question is not applicable to Maintenance and Sustainment investments. The VistA Imaging investment leveraged the collaborative effort between VA and other federal agencies related to the Consolidated Health Informatics (CHI) now part of FHA. VistA Imaging uses standards (DICOM and HL7) for communication of digital information related to health, and will continue to maintain these interfaces as a Maintenance and Sustainment investment..
	<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 III - A

Part III: For "Operation and Maintenance" investments ONLY (Steady State)
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Part III should be completed only for investments identified as "Operation and Maintenance" (Steady State) 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 A - RISK MANAGEMENT (All Capital Assets)

In order to successfully address this issue on the business case and capital asset plan, you must have performed a risk assessment at the initial concept, included mandatory risk elements defined below and demonstrate active management of the risk throughout the life-cycle of the investment.

For all investments, both IT and non-IT, you must discuss each of the following risks and present your plans to eliminate, mitigate, or manage risk, with milestones and completion dates. If there is no risk to the investment achieving its goals from a risk category, indicate so. If there are other risks identified, include them. Risk assessments should include risk information from all stakeholders and should be performed at the initial concept stage and then monitored and controlled throughout the life-cycle of the investment. Risk assessments for all investments must include: 1) schedule ; 2) initial costs; 3) life-cycle costs); 4) technical obsolescence; 5) feasibility; 6) reliability of systems; 7) dependencies and interoperability between this investment and others; 8) surety (asset protection) considerations; 9) risk of creating a monopoly for future procurements; 10) capability of agency to manage the investment; and 11) overall risk of investment failure.

In addition, for IT investments, risk must be discussed in the following categories 12) organizational and change management; 13) business; 14) data/info; 15) technology; 16) strategic; 17) security; 18) privacy; and 19) project resources. For security risks, identify under the Description column the level of risk as high, medium, or basic. What aspect of security determines the level of risk, i.e., the need for confidentiality of information, availability of information or the system, reliability of the information or system? Under the Current Status column, list the milestones remaining to mitigate the risk.

Moreover, for each risk category with a probability of occurrence of at least medium and impact of at least medium, please indicate whether or not the costs to mitigate the risk have been incorporated into your lifecycle cost estimates in the summary of spending stages section of this Exhibit 300. If not, please also indicate why in your response.

III.A.1) Does the investment have a Risk Management Plan?

Yes

III.A.1.a) If "yes," what is the date of the plan?

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

No

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

III.A.2) If there currently is no plan, will a plan be developed?

III.A.2.a) If "yes," what is the planned completion date?

III.A.2.b) If "no," what is the strategy for managing the risks? (LONG ANSWER)

PART III - B

Part III: For "Operation and Maintenance" investments ONLY (Steady State)
Part III should be completed only for investments identified as "Operation and Maintenance" (Steady State) 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)

III.B) Cost and Schedule Performance:

III.B.1) Was operational analysis conducted?

No

III.B.1.a) If "yes," provide the date the analysis was completed.

III.B.1.b) If "yes," what were the results? (LONG ANSWER)

III.B.1.c) If "no," please explain why it was not conducted and if there are any plans to conduct operational analysis in the future: (LONG ANSWER)

VA Directive 6061 requires the use of post implementation reviews and operational analysis on operations and maintenance efforts for sustainment (system operation/steady state) investments or the sustainment portion of mixed life cycle projects to promote more effective management oversight. VA will use an Operational Analysis to formally assess how well an investment is meeting program objectives, customer needs, and is performing within baseline performance goals. The VA operational analysis will involve the collection of information concerning an investment's performance and the comparison of this performance with an established baseline. Performance measures are required in order to determine how well the asset supports customers and stakeholders, how well the asset is managed by the agency, how well the IT system is operating, and how well the asset is meeting established performance goals. The outputs of the operational analysis are recommendations to VA agency resource managers as to the asset's continued use, modification, improvement, or termination.

III.B.2) 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).

III.B.2.a) 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

III.B.2.b) 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	Current BL Completion Date Planned	Current BL Completion Date Actual
FY2002 Phase: Implementation	Sep 30, 2002	Jul 31, 2002
FY2002 Phase:Maintenance	Sep 30, 2002	Sep 30, 2002
FY2002 Phase:Functional Enhancement	Sep 30, 2002	Sep 30, 2002
FY2003 Phase: Implementation	Sep 30, 2003	Jun 6, 2003
FY2003 Phase:Maintenance	Sep 30, 2003	Sep 30, 2003
FY2003 Phase:Functional Enhancement	Sep 30, 2003	Sep 30, 2003
FY2004 Phase: Implementation	Sep 30, 2004	Sep 30, 2004
FY2004 Phase:Maintenance	Sep 30, 2004	Sep 30, 2004
FY2004 Phase:Functional Enhancement	Sep 30, 2004	Sep 30, 2004
FY2005 Phase: Implementation	Sep 30, 2005	Sep 30, 2005
FY2005 Phase: Maintenance	Sep 30, 2005	Sep 30, 2005

