



Geospatial Line of Business Joint Business Case

**February 6, 2007
Redacted March 2007**



Exhibit 300: Capital Asset Plan and Business Case Summary

Part I: Summary Information and Justification (All Capital Assets)

Section A: Overview (All Capital Assets)

1. Date of Submission: re-submission to OMB February 6, 2007
2. Agency: Department of Interior (DOI)
3. Bureau: Department Wide
4. Name of this Capital Asset: E-DOI - Geospatial Line of Business (GeoLOB)
5. Unique Project (Investment) Identifier: 010-00-01-07-01-3100-24
(for IT investment only, see section 53. For all others, use agency ID system.)
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 status.)

Planning	<input type="checkbox"/>
Full Acquisition	<input type="checkbox"/>
Operations and Maintenance	<input type="checkbox"/>
Mixed Life Cycle	<input type="checkbox"/>
E-Gov/LoB Oversight	<input checked="" type="checkbox"/>

7. What was the first budget year this investment was submitted to OMB? FY2008
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 text – 2500 characters max)

The Geospatial Line of Business will be in the strategic planning stages in FY2007 and FY2008. Upon implementation, it will enable geospatial interoperability across Federal programs. Through interagency cooperation, Federal programs can enhance their capacity for understanding and using information in terms of its relevant geography. Optimal use of geographic data and geo-analytics can significantly improve the way that governments plan their strategies, manage their organizations, and offer goods and services to the public.

There are numerous geospatial efforts being conducted independently across Federal agencies, resulting in disparate data silos and services, investment opportunity losses and compromised business understanding. The Geo LoB recommends a set of common government-wide solutions that serve the Nation's interests, and the core missions of Federal agencies and their partners, through more effective and efficient development, provisioning, and interoperability of geospatial data and services. Building on the policy foundation of the Office of Management and Budget (OMB) Circular A-16, Coordination of Geographic Information and Related Spatial Data Activities, and the President's Management Agenda, the Geo LoB must close a performance gap by developing a Federal operational framework for managing geospatial information across the government. This Federal operational framework will result in a more coordinated, collaborative, and leveraged approach to produce, maintain, and use geospatial data and services. The framework will also establish a system of accountability for all data stewards in the Federal geospatial environment. Future cost savings, and greater satisfaction of customer and business needs will be realized by optimizing - and where appropriate - consolidating geospatial assets and activities through enhanced performance accountability, compliance mechanisms and coordinated budget planning and cost avoidance strategies.

This Joint Business Case (JBC) and the supporting Geo LoB Common Solutions and Target Architecture document (CS/TA) lay out an initial six-year plan with the preferred alternative.

9. Does this investment support one of the PMA initiatives?

If "yes," check all that apply:

- | | |
|--|-------------------------------------|
| Human Capital Integration | <input type="checkbox"/> |
| Budget Performance Integration | <input type="checkbox"/> |
| Financial Performance Integration | <input type="checkbox"/> |
| Expanded E-Government | <input checked="" type="checkbox"/> |
| Competitive Sourcing | <input type="checkbox"/> |
| Faith Based and Community | <input type="checkbox"/> |
| Real Property Asset Management | <input type="checkbox"/> |
| Real Property Asset Management | <input type="checkbox"/> |
| Eliminating Improper Payments | <input type="checkbox"/> |
| Privatization of Military Housing | <input type="checkbox"/> |
| Research & Development Investment Criteria | <input type="checkbox"/> |
| Housing & Urban Development Management & Performance | <input type="checkbox"/> |
| Broadening Health Insurance Coverage through State Initiatives | <input type="checkbox"/> |
| "Right Sized" Overseas Presence | <input type="checkbox"/> |
| Coordination of VA & DoD Programs and Systems | <input type="checkbox"/> |

a. Briefly describe how this asset directly supports the identified initiative(s)?

The Geospatial Line of Business supports E-Gov goals to integrate agency standards, operations and investments; and improve the government's quality of service for government customers, stakeholders, citizens and businesses.

Section D: Performance Information (All Capital Assets)

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 this investment is designed to fill. They are the internal and external performance benefits this investment is expected to deliver to the agency (e.g., improve efficiency by 60 percent, increase citizen participation by 300 percent a year to achieve an overall citizen participation rate of 75 percent by FY 2xxx, etc.). The goals must be clearly measurable investment outcomes, and if applicable, investment outputs. They do not include the completion date of the module, milestones, or investment, or general goals, such as, significant, better, improved that do not have a quantitative or qualitative measure.

Agencies must use Table 1 below for reporting performance goals and measures for all non-IT investments and for existing IT investments that were initiated prior to FY 2005. The table can be extended to include measures for years beyond FY 2006.

Performance Information Table 1: - Not Applicable					
Fiscal Year	Strategic Goal(s) Supported	Performance Measure	Actual/baseline (from Previous Year)	Planned performance Metric (Target)	Performance Metric Results (Actual)
2007					
2007					
2008					
2008					

All new IT investments initiated for FY2005 and beyond must use Table 2 and are required to use the FEA Performance Reference Model (PRM). Please use Table 2 and the 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). The PRM is available at www.egov.gov.

Performance Information Table 2:							
Fiscal Year	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
2007	Customer Results	Service Quality	Accuracy of Service or Product Being Delivered	Completion of Program Management Plan	N/A	100%	TBD
2007	Customer Results	Service Quality	Accuracy of Service or Product Being Delivered	Re-evaluation of funding strategy for FY 2009+	N/A	100%	TBD
2007	Customer Results	Service Quality	Accuracy of Service or Product Being Delivered	Completion of Performance Management Strategy	N/A	100%	TBD
2007	Customer Results	Service Quality	Accuracy of Service or Product Being Delivered	Completion of Performance Management Plan	N/A	100%	TBD
2008	Processes & Activities	Financial	Savings and Cost Avoidance	Lifecycle cost of geospatial activities ¹	N/A ²	.7% improvement ³	TBD

¹ As described in Geospatial LoB document "Analysis of Agency Responses to Budget Guidance," Section 4.2.

Performance Information Table 2:

Fiscal Year	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
2008	Customer Results	Service Quality	Accuracy of Service or Product Being Delivered	Completion of Business Requirements Strategy	N/A	100%	TBD
2008	Customer Results	Service Quality	Accuracy of Service or Product Being Delivered	Completion of Business Requirements Plan	N/A	100%	TBD
2008	Customer Results	Service Quality	Accuracy of Service or Product Being Delivered	Completion of Risk Management Strategy	N/A	100%	TBD
2008	Customer Results	Service Quality	Accuracy of Service or Product Being Delivered	Completion of Risk Management Plan	N/A	100%	TBD
2008	Customer Results	Service Quality	Accuracy of Service or Product Being Delivered	Completion of Investment Management Strategy	N/A	100%	TBD
2008	Customer Results	Service Quality	Accuracy of Service or Product Being Delivered	Completion of Investment Management Plan	N/A	100%	TBD
2008	Customer Results	Service Quality	Accuracy of Service or Product Being Delivered	Completion of Portfolio Management Strategy	N/A	100%	TBD
2008	Technology	Effectiveness	User Requirements	Percentage of Data Steward Agencies meeting requirements ⁴	TBD	TBD	TBD
2008	Mission and Business	Planning and Budgeting	Strategic Planning	Percentage of objectives in LoB Strategies/Plans completed on time	N/A	100%	TBD
2009	Processes & Activities	Financial	Savings and Cost Avoidance	Lifecycle cost of geospatial activities ⁵	N/A	.9% improvement ⁶	TBD
2009	Customer Results	Service Quality	Accuracy of Service or Product Being Delivered	Completion of Portfolio Management Plan	N/A	100%	TBD

² FY 2007 Geospatial data call results not yet available

³ As described in Geospatial LoB document "Milestones and Cost Analysis with Benefits-ROI 7 25 06." (Includes cost savings and cost avoidance).

⁴ As defined in Performance Management Plan

⁵ As described in Geospatial LoB document "Analysis of Agency Responses to Budget Guidance," Section 4.2.

⁶ As described in Geospatial LoB document "Milestones and Cost Analysis with Benefits-ROI 7 25 06." (Includes cost savings and cost avoidance).

Performance Information Table 2:

Fiscal Year	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
2009	Technology	Effectiveness	User Requirements	Percentage of Data Steward Agencies meeting requirements ⁷	TBD	TBD	TBD
2009	Mission and Business	Planning and Budgeting	Strategic Planning	Percentage of objectives in LoB Strategies/Plans completed on time	N/A	100%	TBD

⁷ As defined in Performance Management Plan

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

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).

Please respond to the questions below and verify the system owner took the following actions:

1. Have the IT security costs for the system(s) been identified and integrated into the overall costs of the investment? Yes No
 - a. If “yes,” provide the “Percentage IT Security” for the budget year: 0%

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 No

3. Systems in Planning – Security Table			
Name of System	Agency/or Contractor Operated System?	Planned Operational Date	Planned or Actual C&A Completion Date
N/A			

4. Operational Systems – Security Table							
Name of System	Agency/or Contractor Operated System?	NIST FIPS 199 Risk Impact level (High, Moderate, Low)	Has C&A been Completed, using NIST-800-37? (Y/N)	Date C&A Complete	What standards were used for the Security Controls tests? (FIPS 200/NIST 800-53, NIT 900-26, Other, N/A)	Date Complete(d): Security Control Testing	Date the contingency plan tested
N/A							

5. Have any weaknesses related to any of the systems part of or supporting this investment been identified by the agency or IG? Yes No
 - a. If “yes,” have those weaknesses been incorporated into the agency’s plan of action and milestone process? Yes No

6. Indicate whether an increase in IT security funding is requested to remediate IT security weaknesses. Yes No
 - a. If “yes,” specify the amount, provide a general description of the weakness, and explain how the funding request will remediate the weakness.

7. How are contractor security procedures monitored, verified, and validated by the agency for the contractor systems above?

This will be determined and detailed in the acquisition plan.

8. Planning & Operational Systems – Privacy Table:					
(a) Name of System	(b) Is this a new system? (Y/N)	(c) Is there a Privacy Impact Assessment (PIA) that covers this system? (1,2,3,4)	(d) Is the PIA available to the public? (1,2,3)	(e) Is a System of Records Notice (SORN) required for this system? (Y/N)	(f) Was a new or amended SORN published in FY 06? (1,2,3,4,5)
N/A					
<p>Answer options:</p> <p>c) Is there a Privacy Impact Assessment (PIA) that covers this system?</p> <ol style="list-style-type: none"> 1. Yes. 2. No. 3. No, because the system does not contain, process, or transmit personal identifying information. 4. No, because even though it has personal identifying information, the system contains information solely about federal employees and agency contractors. <p>d) Is the PIA available to the public?</p> <ol style="list-style-type: none"> 1. Yes. 2. No, because a PIA is not yet required to be completed at this time. 3. No, because the PIA has not been prepared. <p>f) Was a new or amended SORN published in FY2006?</p> <ol style="list-style-type: none"> 1. Yes, because this is a newly established Privacy Act system of records. 2. Yes, because the existing Privacy Act system of records was substantially revised in FY 06. 3. No, because the existing Privacy Act system of records was not substantially revised in FY 06. 4. No, because the system is operational, but the SORN has not yet been published. 5. No, because the system is not a Privacy Act system of records. 					

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, 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.

1. Is this investment included in your agency’s target enterprise architecture? Yes No

a. If “no,” please explain why.

This investment is for a new cross-agency Line of Business. It will be included in DOI’s (managing partner) and other partner Agencies’ EAs in FY07.

Is this investment included in the agency’s EA Transition Strategy? Yes No

a. If “yes,” provide the investment name as identified in the Transition Strategy provided in the agency’s most recent annual EA assessment. Geospatial Line of Business

b. If “no,” please explain why.

2. Is this investment included in the agency’s EA Transition Strategy? Yes No

a. If “yes,” provide the investment name as identified in the Transition Strategy provided in the agency’s most recent annual EA Assessment.

This investment – the Geospatial Line of Business - is for a new cross-agency Line of Business.

It will be included in DOI’s (managing partner) and other partner Agencies’ Transition Strategies in FY07

b. If “no,” please explain why?

3. Service Reference Model (SRM) Table:
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/>.

Agency Component Name (Service Domains)	Agency Component Description	FEA SRM Service Type	FEA SRM Component (a)	FEA Service Component Reused (b)		Internal or External Reuse? (c)	BY Funding Percentage (d)
				Component Name	UPI		
Back office	Support the interchange of information between multiple systems or applications; includes verification that transmitted data was received unaltered	Data Management	Data Exchange	N/A	N/A		N/A
Back office	Support the manipulation and che of data	Data Management	Extraction & Transformation	N/A	N/A	N/A	N/A
Back office	Support a subset of a data warehouse for a single department or function within an organization	Data Management	Data Mart	N/A	N/A	N/A	N/A

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Agency Component Name (Service Domains)	Agency Component Description	FEA SRM Service Type	FEA SRM Component (a)	FEA Service Component Reused (b)		Internal or External Reuse? (c)	BY Funding Percentage (d)
				Component Name	UPI		
Back office	Support agencies' records management scheduling and disposition services for geospatial records to facilitate storage of large volumes of data and transfer to appropriate archival storage.	Data Management	Data Warehouse	N/A	N/A	N/A	N/A
Back office	Support the maintenance and administration of data that describes data	Data Management	Metadata Management	N/A	N/A	N/A	N/A
Back office	Support the removal of incorrect or unnecessary characters and data from a data source	Data Management	Data Cleansing	N/A	N/A	N/A	N/A
Back office	Allow the classification of data	Data Management	Data Classification	N/A	N/A	N/A	N/A
Business Analytical Services	A general purpose set of capabilities for analyzing and processing geospatial data.	Analysis & Statistics	Geographic Analysis* (NEW)	N/A	N/A	N/A	N/A
Business Analytical Services	A general purpose set of capabilities for analyzing and processing geospatial imagery and related metadata.	Analysis & Statistics	Imagery Analysis* (NEW)	N/A	N/A	N/A	N/A
Business Analytical Services	Provide for the representation of position information through the use of attributes such as elevation, latitude, and longitude coordinates	Visualization	Mapping / Geospatial / Elevation / GPS	N/A	N/A	N/A	N/A
Business Analytical Services	Provide for the efficient discovery of non-obvious, valuable patterns and relationships within a large collection of data	Knowledge Discovery	Data Mining	N/A	N/A	N/A	N/A

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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/>.

Agency Component Name (Service Domains)	Agency Component Description	FEA SRM Service Type	FEA SRM Component (a)	FEA Service Component Reused (b)		Internal or External Reuse? (c)	BY Funding Percentage (d)
				Component Name	UPI		
Business Analytical Services	Develop descriptions to adequately explain relevant data for the purpose of prediction, pattern detection, exploration or general organization of data	Knowledge Discovery	Modeling	N/A	N/A	N/A	N/A
Business Analytical Services	Utilize models to mimic real world processes	Knowledge Discovery	Simulation	N/A	N/A	N/A	N/A
Business Analytical Services	Support the analysis of information and predict the impact of decisions before they are made	Business Intelligence	Decision Support & Planning	N/A	N/A	N/A	N/A
Business Analytical Services	Support the use of dynamic reports on an as needed basis	Reporting	Ad Hoc	N/A	N/A	N/A	N/A
Business Analytical Services	Support the use of pre-conceived or pre-written reports	Reporting	Standardized / Canned	N/A	N/A	N/A	N/A
Business Analytical Services	Support the analysis of information that has been summarized into multidimensional views and hierarchies	Reporting	OLAP	N/A	N/A	N/A	N/A
Digital Asset Services	Support the identification of specific content within a larger set of content for collection and summarization	Content Management	Tagging & Aggregation	N/A	N/A	N/A	N/A
Digital Asset Services	Allow access to data and information for use by an organization and its stakeholders	Knowledge Management	Information Retrieval	N/A	N/A	N/A	N/A
Digital Asset Services	Support the creation and maintenance of relationships between data entities, naming standards and categorization	Knowledge Management	Information Mapping / Taxonomy	N/A	N/A	N/A	N/A

3. Service Reference Model (SRM) Table:

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/>.

Agency Component Name (Service Domains)	Agency Component Description	FEA SRM Service Type	FEA SRM Component (a)	FEA Service Component Reused (b)		Internal or External Reuse? (c)	BY Funding Percentage (d)
				Component Name	UPI		
Digital Asset Services	Support the use of documents and data in a multi-user environment for use by an organization and its stakeholders	Knowledge Management	Information Sharing	N/A	N/A	N/A	N/A
Digital Asset Services	Allow classification of data and information into specific layers or types to support an organization	Knowledge Management	Categorization	N/A	N/A	N/A	N/A
Digital Asset Services	Facilitate collection of data and information	Knowledge Management	Knowledge Capture	N/A	N/A	N/A	N/A
Digital Asset Services	Support the transfer of knowledge to the end customer.	Knowledge Management	Knowledge Distribution and Delivery	N/A	N/A	N/A	N/A
Digital Asset Services	Support the correlation between logical data and information sets	Records Management	Record Linking / Association	N/A	N/A	N/A	N/A
Digital Asset Services	Support the claim and ownership of intellectual capital and artifacts belonging to an organization	Records Management	Digital Rights Management	N/A	N/A	N/A	N/A
Business Management Services	Support the listing of available products or services that an organization offers	Supply Chain Management	Catalog Management	N/A	N/A	N/A	N/A
Business Management Services	Allow the placement of requests for a product	Supply Chain Management	Ordering / Purchasing	N/A	N/A	N/A	N/A
Support Services	Support the management of permissions for logging onto a computer or network	Security Management	Access Control	N/A	N/A	N/A	N/A
Support Services	Support the granting of abilities to users or groups of users of a computer, application or network	Security Management	Access Control	N/A	N/A	N/A	N/A

3. Service Reference Model (SRM) Table:

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/>.

Agency Component Name (Service Domains)	Agency Component Description	FEA SRM Service Type	FEA SRM Component (a)	FEA Service Component Reused (b)		Internal or External Reuse? (c)	BY Funding Percentage (d)
				Component Name	UPI		
Support Services	Support retrieval of records that satisfy specific query selection criteria	Search	Query	N/A	N/A	N/A	N/A
Support Services	Support selection and retrieval of records ranked to optimize precision against recall	Search	Precision / Recall Ranking	N/A	N/A	N/A	N/A
Support Services	Support selection and retrieval of records organized by shared characteristics in content or context	Search	Classification	N/A	N/A	N/A	N/A
Support Services	Support retrieval of records generated from a data source by imputing characteristics based on patterns in the content or context	Search	Pattern Matching	N/A	N/A	N/A	N/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.
- 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.
- '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.
- 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.

4. Technical Reference Model Table:

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

FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (b) (i.e., vendor and product name)
	Service Access and Delivery	Access Channels	Web Browser	HTML/HTTP
	Service Access and Delivery	Access Channels	Wireless/PDA	Various
	Service Access and Delivery	Access Channels	Collaboration / Communications	Email
	Service Access and Delivery	Access Channels	Other Electronic Channels	Web Services
	Service Access and Delivery	Delivery Channels	Internet	
	Service Access and Delivery	Delivery Channels	Intranet	
	Service Access and Delivery	Delivery Channels	Extranet	
	Service Access and Delivery	Delivery Channels	Peer-to-peer	
	Service Access and Delivery	Delivery Channels	VPN	
	Service Access and Delivery	Service Requirements	Legislative Compliance	OMB A-16, Section 508,
	Service Access and Delivery	Service Requirements	Authentication/ Single Sign-on	eAuthentication, HSPD-12
	Service Access and Delivery	Service Requirements	Hosting	
	Service Access and Delivery	Service Transport	Supporting Network Services	
	Service Access and Delivery	Service Transport	Service Transport	
	Service Platform and Infrastructure	Support Platforms	Wireless/Mobile	
	Service Platform and Infrastructure	Support Platforms	Platform-independent	
	Service Platform and Infrastructure	Delivery Servers	Web servers	
	Service Platform and Infrastructure	Delivery Servers	Application servers	
	Service Platform and Infrastructure	Delivery Servers	Portal servers	
	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	
	Service Platform and Infrastructure	Software Engineering	Test Management	
	Service Platform and Infrastructure	Database/Storage	Database	Geospatial format, indexing, and processing (OGC SF-SQL)

4. Technical Reference Model Table:

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

FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (b) (i.e., vendor and product name)
	Service Platform and Infrastructure	Database/Storage	Storage	
	Service Platform and Infrastructure	Hardware/Infrastructure	Servers/Computers	
	Service Platform and Infrastructure	Hardware/Infrastructure	Wide-Area Network (WAN)	There is a need to match bandwidth requirements across the data services enterprise.
	Service Platform and Infrastructure	Hardware/Infrastructure	Local Area Network (LAN)	There is a need to match bandwidth requirements across the data services enterprise.
	Component Framework	Security	Certificates / Digital Signature	
	Component Framework	Security	Supporting Security Services	
	Component Framework	Presentation/Interface	Static Display	
	Component Framework	Presentation/Interface	Dynamic Server-side Display	OGC Web Map Server, ISO 19128
	Component Framework	Presentation/Interface	Content Rendering	OGC Style Layer Descriptor
	Component Framework	Presentation/Interface		OGC Web Map Server, ISO 19128
	Component Framework	Presentation/Interface	Wireless/Mobile	OGC OpenLocation Services 1.0
	Component Framework	Data Interchange	Data Exchange	OGC Web Feature Service, ISO 19142
	Component Framework	Data Interchange		OGC Web Coverage Service
	Component Framework	Data Interchange		OGC Filter Encoding, ISO 19143 (Filter)
	Component Framework	Data Interchange		Spatial Data Transfer Standard, ANSI INCITS 320
	Component Framework	Data Interchange		OGC GML 3.1.1, ISO 19136
	Component Framework	Data Management	Database Connectivity	
	Component Framework	Data Management	Reporting and Analysis	
	Service Interface and Integration	Integration	Middleware	SQL-Multi-Media (Spatial Extensions) ISO 13249-3:2003;
	Service Interface and Integration	Integration		e.g. ISO 23950
	Service Interface and Integration	Integration		OGC SimpleFeatures

4. Technical Reference Model Table:

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

FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (b) (i.e., vendor and product name)
				SQL
	Service Interface and Integration	Integration	Enterprise Application Integration	
	Service Interface and Integration	Interoperability	Data Format/Classification	OGC Web Map Context
	Service Interface and Integration	Interoperability		OGC GML, ISO 19136
	Service Interface and Integration	Interoperability		HDF, HDF EOS, net-CDF
	Service Interface and Integration	Interoperability	Data Types/Validation	FGDC CSDGM
	Service Interface and Integration	Interoperability		ISO Metadata 19115/19139
	Service Interface and Integration	Interoperability		ANSI INCITS Framework Data Standards (Draft)
	Service Interface and Integration	Interoperability	Data Transformation	OGC Coordinate Transformation Service
	Service Interface and Integration	Interoperability		OGC Web Map Service ISO 19128
	Service Interface and Integration	Interface	Service Discovery	OGC Catalogue Service
	Service Interface and Integration	Interface		UDDI
	Service Interface and Integration	Interface	Service Description/Interface	OGC OWS Common
	Service Interface and Integration	Interface	Service Description/Interface	Web Service Description Language (WSDL)

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

5. Will the application leverage existing components and/or applications across the Government (i.e., FirstGov, Pay.Gov, etc.)? Yes No

a. If "yes," please describe.

E-gov applications such as Geospatial One Stop and government-wide data exchange networks are anticipated to play a role in the development of the Geospatial LoB Common Solutions.

6. Does this investment provide the public with access to a government automated information system? Yes No

a. If "yes," does customer access require specific software (e.g., a specific web browser version)? Yes No

1. If “yes,” provide the specific product name(s) and version number(s) of the required software and the date when the public will be able to access this investment by any software (i.e., to ensure equitable and timely access of government information and services).

Part IV: Planning For “E-Gov and Lines of Business Oversight” ONLY

Part IV should be completed only for investments identified as an E-Gov initiative or a Line of Business (LOB), i.e., selected the “E-Gov and LOB Oversight” choice in response to Question 6 in Part I, Section A above. Investments identified as “E-Gov and LOB Oversight” will complete only Parts I and IV of the exhibit 300.

Section B: Risk Management (All Capital Assets)

You should have performed a risk assessment during the early planning and initial concept phase of this investment’s life-cycle, developed a risk-adjusted life-cycle cost estimate and a plan to eliminate, mitigate or manage risk, and be actively managing risk throughout the investment’s life-cycle.

1. Does the investment have a Risk Management Plan? Yes No
 - a. If “yes,” what is the date of the plan?
 - b. Has the Risk Management Plan been significantly changed since last year’s submission to OMB? Yes No
 - c. If “yes,” describe any significant changes:

2. If there currently is no plan, will a plan be developed? Yes No
 - a. If “yes,” what is the planned completion date? June 1, 2008
 - b. If “no,” what is the strategy for managing the risks?

Section C: Cost and Schedule Performance (All Capital Assets)

You should also periodically be measuring the performance of operational assets against the baseline established during the planning or full acquisition phase (i.e., operational analysis), and be properly operating and maintaining the asset to maximize its useful life. Operational analysis may identify the need to redesign or modify an asset by identifying previously undetected faults in design, construction or installation/integration, highlighting whether actual operation and maintenance costs vary significantly from budgeted costs, or documenting that the asset is failing to meet program requirements.

Answer the following questions about the status of this investment. Include information on all appropriate capital assets supporting this investment except for assets in which the performance information is reported in a separate exhibit 300.

1. Are you using EVM to manage this investment? Yes No

N/A (investment with ONLY O&M)

 - a. If “yes,” does the earned value management system meet the criteria in ANSI/EIA Standard – 748? Yes No
 - b. If “no,” explain plans to implement EVM: This is not a requirement, because currently this investment contains no capital assets, or no system development activities. Earned value will be implemented when the LOB investment evolves to contain such assets.
 - c. If “N/A,” please provide date operational analysis was conducted a brief summary of the results:

Questions #2 – 7 are NOT applicable for capital assets with ONLY O&M

For questions 2 – 7 below, the information cannot be completed, as it is dependant upon analyzing first year results that are not available

2. Answer the following questions about current cumulative cost and schedule performance. The numbers reported below should reflect current actual information. (Per OMB requirements Cost/Schedule Performance information should include both Government and Contractor Costs):
- What is the Planned Value (PV)?
 - What is the Earned Value (EV)?
 - What is the actual cost of work performed (AC)?
 - What costs are included in the reported Cost/Schedule Performance information (Government Only/Contractor Only/Both)?
 - “As of” date:
3. What is the calculated Schedule Performance Index (SPI = EV/PV)?
4. What is the schedule variance (SV = EV-PV)?
5. What is the calculated Cost Performance Index (CPI – EV/AC)?
6. What is the cost variance (CV = EV-AC)?
7. Is the CV or SV greater than 10%? Yes No
 a. If “yes,” was it the: CV
SV
Both
 b. If “yes,” explain the variance:
 c. If “yes,” what corrective actions are being taken?
 d. What is most current “Estimate at Completion?”

Questions #8 - 9 are applicable to ALL capital assets

8. Is the agency requesting a change in the performance baseline? Yes No