

Exhibit 300 (BY2009)

PART ONE	
OVERVIEW	
1. Date of Submission:	2007-09-07
2. Agency:	026
3. Bureau:	00
4. Name of this Capital Asset:	GSFC Earth Observing Sys Data Info Sys
5. Unique Project Identifier:	026-00-01-02-01-1501-00
6. What kind of investment will this be in FY2009?	
Mixed Life Cycle	
7. What was the first budget year this investment was submitted to OMB?	
FY2001 or earlier	
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.	
<p>The Earth Observing System (EOS) Data and Information System (EOSDIS) is a comprehensive distributed system designed to support NASA's EOS. EOSDIS archives, manages, and distributes Earth science data from NASA missions and provides spacecraft control and science data processing for the EOS missions. EOSDIS has been archiving and distributing pre-EOS data since 1994. Currently EOSDIS supports both the pre-EOS and EOS data. EOSDIS has been distributing NASA's Earth Science data to a broad user community, enabling research, applications, education and policy analysis. The performance gap addressed by EOSDIS is the traditional lack of quick access by the user community to satellite observations of the Earth and data derived from them. EOSDIS supports Strategic Goal 3 in the 2006 NASA's Strategic Plan: "Develop a balanced overall program of science, exploration, and aeronautics consistent with the redirection of the human spaceflight program to focus on exploration." In particular, EOSDIS supports sub-goal 3A: "Study Earth from space to advance scientific understanding and meet societal needs." To meet this sub-goal, the satellite data of the past, present and future need to be well organized, preserved, and made accessible to scientists who can derive information and knowledge from the data. The data and information need to be made available to the applications community that adds further value for the benefit of the nation and the world. EOSDIS is the key system in NASA that performs the end-to-end functions for ensuring that the value NASA's Earth science missions is fully realized by the community. Most of EOSDIS is in its operational phase of the life cycle. EOSDIS is now supporting all EOS missions including the latest, the Aura mission launched in July 2004. A large and diverse community has become accustomed to data and information products from EOSDIS as evidenced by the number of users of EOSDIS (over 2.9 million accessing EOSDIS and receiving over 1,087 terabytes of data in FY 2006). The users have been very satisfied with EOSDIS, according to a survey conducted in FY 2006. The American Customer Satisfaction Index (ACSI) of the customers of EOSDIS was 74, compared to the federal government average of 71. At the end of FY 06, EOSDIS archives held about 4.6 petabytes of data, growing at a rate of ~3 terabytes per day.</p>	
9. Did the Agency's Executive/Investment Committee approve this request?	
yes	
9.a. If "yes," what was the date of this approval?	
2007-06-15	
10. Did the Project Manager review this Exhibit?	
yes	
11. Project Manager Name:	
Mary Ann Esfandiari	
Project Manager Phone:	
(301) 614-5048	
Project Manager Email:	
mary.a.esfandiari@nasa.gov	
11.a. What is the current FAC-P/PM certification level of the project/program manager?	

Senior/Expert-level	
12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project.	
yes	
12.a. Will this investment include electronic assets (including computers)?	
yes	
12.b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)	
no	
13. Does this investment directly support one of the PMA initiatives?	
yes	
If yes, select the initiatives that apply:	
Budget Performance Integration Competitive Sourcing Expanded E-Government	
13.a. Briefly and specifically describe for each selected how this asset directly supports the identified initiative(s)? (e.g. If E-Gov is selected, is it an approved shared service provider or the managing partner?)	
EOSDIS supports Budget Performance Integration by defining and meeting specific performance goals in its planning and implementation. It supports Expanded E-Government through electronic distribution of EOS data to its hundreds of thousands of users, and maintains web sites designed to facilitate access to EOS data by citizens and organizations. It engages in Competitive Sourcing through competitive selection of data/service providers and fostering collaboration with universities and industry.	
14. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)?	
yes	
14.a. If yes, does this investment address a weakness found during the PART review?	
no	
14.b. If yes, what is the name of the PARTed program?	
Earth-Sun System Research	
14.c. If yes, what rating did the PART receive?	
Moderately Effective	
15. Is this investment for information technology?	
yes	
16. What is the level of the IT Project (per CIO Council's PM Guidance)?	
Level 2	
17. What project management qualifications does the Project Manager have? (per CIO Council's PM Guidance)	
(1) Project manager has been validated as qualified for this investment	
18. Is this investment identified as high risk on the Q4 - FY 2007 agency high risk report (per OMB memorandum M-05-23)?	
no	
19. Is this a financial management system?	
no	
20. What is the percentage breakout for the total FY2008 funding request for the following? (This should total 100%)	
Hardware	9
Software	18
Services	71
Other	2
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?	

yes

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

Name

Patti Stockman

Phone Number

202- 358-4787

Title

NASA Privacy Officer

Email

patti.stockman@nasa.gov

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

yes

24. Does this investment directly support one of the GAO High Risk Areas?

no

SUMMARY OF SPEND

1. 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.

All amounts represent Budget Authority

	PY 2007	CY 2008	BY 2009
Planning Budgetary Resources	0.000	0.000	0.000
Acquisition Budgetary Resources	22.357	7.352	0.000
Maintenance Budgetary Resources	110.215	116.709	105.140
Government FTE Cost	8.689	5.955	6.294
# of FTEs	57	50	50

Note: For the cross-agency investments, this table should include all funding (both managing partner and partner agencies).

Government FTE Costs should not be included as part of the TOTAL represented.

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

no

3. If the summary of spending has changed from the FY2008 President's budget request, briefly explain those changes.

No change

PERFORMANCE

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 (indicators) 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 measure.

Agencies must use the following table to report performance goals and measures for the major investment and use the Federal Enterprise Architecture (FEA) Performance Reference Model (PRM). 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 each of the four different Measurement Areas (for each fiscal year). The PRM is available at www.egov.gov. The table can be extended to include performance measures for years beyond FY 2009.

	Fiscal Year	Strategic Goal Supported	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
1	2007	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Customer Results	New Customers and Market Penetration	Number of distinct users	2,964,337 distinct users were supported in 2006	Increase number of distinct users (OMB-approved Program Assessment Rating Tool (PART) measure for this project.)	3.2M distinct users (extrapolated from actuals through the end of June)
2	2007	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Customer Results	Customer Satisfaction	Federal Government Average score for American Customer Satisfaction Index (ACSI)	Federal Government Average score for American Customer Satisfaction Index (ACSI) for FY2006 was 71	Exceed the Federal Government Average score for the Average Customer Satisfaction Index (ACSI) of 71	EOSDIS ACSI measured in September 2006 was 74. Survey for FY 07 will be conducted later in the year.
3	2007	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Mission and Business Results	Scientific and Technological Research and Innovation	Number of users that receive EOSDIS data	Number of users that received EOSDIS data in FY2006 is 163,154 distinct users	Maintain or increase the number of users who receive EOSDIS data	Number of distinct users who received data in FY2007 is 175K (extrapolated from actuals through the end of June)
4	2007	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Mission and Business Results	Scientific and Technological Research and Innovation	Number of products distributed	65,431,648 products were distributed in FY2006	Maintain or increase the number of products distributed	100M products were distributed in FY2007 (extrapolated from actuals through end of June)

	Fiscal Year	Strategic Goal Supported	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
5	2007	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Processes and Activities	Timeliness	Average time to respond to users	Average time to respond to users in FY2006 was one day when manual intervention is involved. However, usage of Data Pools for electronic access to data has increased, and in those cases the response to users occurs within a few minutes.	Maintain or decrease the average time it takes to respond to users	Average time it takes to respond to users in FY2007 is one day when manual intervention is involved. However, usage of Data Pools for electronic access to data has increased, and in those cases the response to users occurs within a few minutes.
6	2007	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Technology	External Data Sharing	ECHO services access method	Access to ECHO is by native ECHO APIs XML services	Provide access to all ECHO services via web services standards.	The operational version of ECHO (Version 9.0) replaced custom APIs with web services.
7	2007	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Technology	Operations and Maintenance Costs	Number of operations and sustaining engineering staff.	FY2006 staffing across sites	Reduce number by 10 FTE	Staffing was reduced by 10 FTE in FY2007 (estimated based on information thru end of June)
8	2008	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Customer Results	Customer Satisfaction	Federal Government Average score for American Customer Satisfaction Index (ACSI)	Federal Government Average score for American Customer Satisfaction Index (ACSI) for FY2007	Exceed the Federal Government Average score for the Average Customer Satisfaction Index (ACSI) for FY2008	TBD

	Fiscal Year	Strategic Goal Supported	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
9	2008	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Mission and Business Results	Scientific and Technological Research and Innovation	Number of users that access EOSDIS.	Number of users that accessed EOSDIS in FY2007	Maintain or increase the number of users that accessed EOSDIS in FY2007	TBD
10	2008	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Mission and Business Results	Scientific and Technological Research and Innovation	Number of products distributed	The number of products distributed in FY2007	Maintain or increase the number of products distributed	TBD
11	2008	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Processes and Activities	Timeliness	Average time to respond to users	Average time to respond to users in FY2007	Maintain or decrease the average time it takes to respond to users	TBD
12	2008	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Technology	IT Composition	Percentage of commodity based versus enterprise class servers.	Replace high end expensive enterprise class servers with less expensive commodity based servers.	Over 50 % of EOSDIS servers are commodity-based.	TBD
13	2008	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Technology	Operations and Maintenance Costs	Number of operations and sustaining engineering staff.	FY2007 staffing across sites	Reduce number by 10 FTE	TBD
14	2009	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Customer Results	Customer Satisfaction	Federal Government Average score for American Customer Satisfaction Index (ACSI)	Federal Government Average score for American Customer Satisfaction Index (ACSI) for FY2008	Exceed the Federal Government Average score for the Average Customer Satisfaction Index (ACSI) for FY2009	TBD

	Fiscal Year	Strategic Goal Supported	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
15	2009	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Mission and Business Results	Scientific and Technological Research and Innovation	Number of users that access EOSDIS	Number of users that accessed EOSDIS in FY2008.	Maintain or increase the number of users that accessed EOSDIS in FY2008.	TBD
16	2009	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Mission and Business Results	Scientific and Technological Research and Innovation	Number of products distributed	The number of products distributed in FY2008	Maintain or increase the number of products distributed	TBD
17	2009	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Processes and Activities	Timeliness	Average time to respond to users	Average time to respond to users in FY2008	Maintain or decrease the average time it takes to respond to users	TBD
18	2009	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Technology	External Data Sharing	Number of EOSDIS data centers with geophysical spatial representation applications.	Data centers with limited geophysical spatial representation applications.	Most data centers have implemented geophysical spatial representation applications.	TBD
19	2009	Goal 3: Develop a balanced overall program of science, exploration and aeronautics.	Technology	Operations and Maintenance Costs	Number of operations and sustaining engineering staff.	FY2008 staffing across sites.	Reduce number by 10 FTE.	TBD

EA

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.

1. Is this investment included in your agency's target enterprise architecture?

yes

2. Is this investment included in the agency's EA Transition Strategy?

yes

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

EOSDIS

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

no

4. 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/>.

Component: Use existing SRM Components or identify as NEW. A NEW component is one not already identified as a service component in the FEA SRM.

Reused Name and UPI: 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 or External Reuse?: 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.

Funding Percentage: 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.

	Agency Component Name	Agency Component Description	Service Type	Component	Reused Component Name	Reused UPI	Internal or External Reuse?	Funding %
1	Process Tracking	The service domains, service types and components of EOSDIS are not a natural fit to the SRM since EOSDIS is a data and information system that processes, archives and distributes large quantities of global, satellite-acquired geophysical data. The discussion of the SRM tends to focus on business IT systems. However, EOSDIS can be mapped into the SRM with digital data products substituting for documents referred to in SRM. Most processes for production and managing data products are automated.	Tracking and Workflow	Process Tracking			No Reuse	20

	Agency Component Name	Agency Component Description	Service Type	Component	Reused Component Name	Reused UPI	Internal or External Reuse?	Funding %
2	Configuration Management	There are components in the ESDIS Project that map to Organizational Management service type. The web-based configuration management system used in the ESDIS Project, for example, is a Requirements' Management component as well as a Workgroup/Groupware component.	Management of Processes	Configuration Management			No Reuse	2
3	Network Management	There are components in the ESDIS Project that map to Organizational Management service type. The web-based configuration management system used in the ESDIS Project, for example, is a Requirements' Management component as well as a Workgroup/Groupware component.	Organizational Management	Network Management			No Reuse	3
4	Catalog Management	Treating the supply chain here as the chain starting with the satellite data acquisition and ending with the research scientist or an applications' user, there are several automated capabilities in EOSDIS at the head of the chain to cover: planning and scheduling acquisition of data and generation of derived data products; managing the catalog and inventory of the data products (Catalog Management); and facilitating users' searches and ordering (Ordering/Purchasing; Storefront/Shopping Cart).	Supply Chain Management	Catalog Management			No Reuse	2

	Agency Component Name	Agency Component Description	Service Type	Component	Reused Component Name	Reused UPI	Internal or External Reuse?	Funding %
5	Tagging and Aggregation	The digital data products produced by EOSDIS are a result of many scientific Principal Investigators' research and peer-reviewed algorithms. As such they constitute significant investment by NASA and intellectual capital. With this definition, EOSDIS fits well in the Digital Asset Services Domain of the SRM.	Content Management	Tagging and Aggregation			No Reuse	20
6	Library / Storage	The digital data products produced by EOSDIS are a result of many scientific Principal Investigators' research and peer-reviewed algorithms. As such they constitute significant investment by NASA and intellectual capital. With this definition, EOSDIS fits well in the Digital Asset Services Domain of the SRM.	Document Management	Library / Storage			No Reuse	20
7	Information Retrieval	The digital data products produced by EOSDIS are a result of many scientific Principal Investigators' research and peer-reviewed algorithms. As such they constitute significant investment by NASA and intellectual capital. With this definition, EOSDIS fits well in the Digital Asset Services Domain of the SRM.	Knowledge Management	Information Retrieval			No Reuse	20

	Agency Component Name	Agency Component Description	Service Type	Component	Reused Component Name	Reused UPI	Internal or External Reuse?	Funding %
8	Information Sharing	The digital data products produced by EOSDIS are a result of many scientific Principal Investigators' research and peer-reviewed algorithms. As such they constitute significant investment by NASA and intellectual capital. With this definition, EOSDIS fits well in the Digital Asset Services Domain of the SRM.	Knowledge Management	Information Sharing			No Reuse	2
9	Knowledge Capture	The digital data products produced by EOSDIS are a result of many scientific Principal Investigators' research and peer-reviewed algorithms. As such they constitute significant investment by NASA and intellectual capital. With this definition, EOSDIS fits well in the Digital Asset Services Domain of the SRM.	Knowledge Management	Knowledge Capture			No Reuse	5
10	Self-Service	Each of the DAACs in EOSDIS has a user support group that provides assistance to users via phone or e-mail. These can be used by customers if they are unable to get sufficient help from the on-line mechanisms indicated above.	Customer Initiated Assistance	Self-Service			No Reuse	5

5. 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: 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.

Service Specification: 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.

	SRM Component	Service Area	Service Category	Service Standard	Service Specification (i.e., vendor and product name)
1	Process Tracking	Service Access and Delivery	Access Channels	Collaboration / Communications	Rational Clearcase and TestTrack Pro, Sybase ASE, TRAC, Subversion
2	Catalog Management	Service Access and Delivery	Access Channels	Other Electronic Channels	ftp, scp, apache, veritas, TPSSM, StorNext, ACSLS, CVS, Portus, Permeo Application Security Platform, bbFTP
3	Self-Service	Service Access and Delivery	Delivery Channels	Internet	Anonymous ftp, Mozilla, Netscape, FRP Beans, Wu-FTP, SunOne, FTP Beans
4	Self-Service	Service Access and Delivery	Delivery Channels	Intranet	ftp, scp, nfs, Mozilla, Netscape, FRP Beans, Wu-FTP, SunOne, FTP Beans
5	Self-Service	Service Interface and Integration	Interface	Service Discovery	Systinet: WASP UDDI
6	Self-Service	Service Interface and Integration	Interface	Service Description / Interface	Systinet: WASP UDDI
7	Information Sharing	Service Access and Delivery	Service Requirements	Legislative / Compliance	In Focus and Jaws
8	Information Retrieval	Service Interface and Integration	Integration	Middleware	BEA Systems: WebLogic, Apache, Jakarta, Tomcat, Java Beans, SRB
9	Library / Storage	Service Interface and Integration	Interoperability	Data Format / Classification	HDF libraries, RSI IDL
10	Library / Storage	Service Interface and Integration	Interoperability	Data Types / Validation	OPeNDAP servers
11	Network Management	Service Access and Delivery	Service Transport	Supporting Network Services	Whats up, Stornext, TestTrack Pro, NIS, LDAP
12	Information Retrieval	Service Platform and Infrastructure	Database / Storage	Database	Jconnect, JDBC API, RSI IDL
13	Self-Service	Service Access and Delivery	Service Transport	Service Transport	Anonymous ftp, Apache, SunOne Web, Apache, Tomcat, JAF, Java Web Services, JDOM, JAXP, Java SDK
14	Information Retrieval	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Java SDK, JAF, JAXP, Java Web Services Developer Pack, JavaMail, JDOM FTP (Java Beans)
15	Information Retrieval	Service Platform and Infrastructure	Database / Storage	Database	Java SDK, JDOM, Xerces, Java Web Services Developer Pack
16	Knowledge Capture	Service Platform and Infrastructure	Support Platforms	Platform Independent	OGC, Red Hat Enterprise, Affinium NetInsight, Perl Modules
17	Tagging and Aggregation	Service Platform and Infrastructure	Support Platforms	Platform Dependent	TestTrack Pro, ACSLS, STK Powderhorn silos, Veritas Volume Manager, TSSM, Sansurfer, StorNext
18	Configuration Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Clearcase, MS-Access, TestTrack Pro, Sybase ASE, VMWare

	SRM Component	Service Area	Service Category	Service Standard	Service Specification (i.e., vendor and product name)
19	Information Sharing	Service Platform and Infrastructure	Software Engineering	Test Management	Loadrunner, httppunit
20	Information Sharing	Service Platform and Infrastructure	Software Engineering	Modeling	Rogue Wave Libraries, Sun Studio 10 Compilers, Linux Compilers, J-Builder, Forcheck, Perl and Perl modules, Rational Rose, Java SDK & libraries, Sybase (Open Client) HDF Libraries, NetTracker
21	Library / Storage	Service Platform and Infrastructure	Database / Storage	Database	Sybase AS&RS, SQS, Oracle, Postgresql, Sybase SDK (Open Client), J-connect
22	Library / Storage	Service Platform and Infrastructure	Database / Storage	Storage	StorNext, ACSLS, Sybase, SQS, Stornext, Veritas Vol Manager, SANsurfer, TPSSM (GSI RAID SW), SANZ, MAID, VITAL/VTLS
23	Library / Storage	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Windows XP Sun (Solaris), Red Hat Linux for Dell, HP, DEC
24	Library / Storage	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	SGI Engenio, SGI ALTIX, IBM HS20, Sun SPARC, EMC CX, DDN SA8500
25	Library / Storage	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Cisco, Brocade, Qlogic, Whats up Gold
26	Process Tracking	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Cisco, Portus, Permeo Application, Security Platform
27	Process Tracking	Component Framework	Security	Certificates / Digital Signatures	Portus, Socks, Permo, Apache with mod-SSL, Tomcat, Secure Shell
28	Library / Storage	Component Framework	Security	Supporting Security Services	F-secure, ssh, scp,sftp
29	Information Retrieval	Component Framework	Presentation / Interface	Dynamic Server-Side Display	SQS, Web GUI's, POSTGRES SQL

6. Will the application leverage existing components and/or applications across the Government (i.e., FirstGov, Pay.Gov, etc)?
yes
6.a. If yes, please describe.
Yes. For performing its infrastructure business functions, the ESDIS Project will utilize as appropriate the services provided by existing and other Federal E-Government initiatives.
PART TWO
RISK
<i>You should perform a risk assessment during the early planning and initial concept phase of the investment's life-cycle, develop 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.</i>
<i>Answer the following questions to describe how you are managing investment risks.</i>
1. Does the investment have a Risk Management Plan?

yes
<i>1.a. If yes, what is the date of the plan?</i>
2007-07-06
<i>1.b. Has the Risk Management Plan been significantly changed since last year's submission to OMB?</i>
no
<i>3. Briefly describe how investment risks are reflected in the life cycle cost estimate and investment schedule:</i>
<p>The EOSDIS investment is mostly in steady state now. A small part of its budget is being used for development, modernization and enhancement during FY 2006-2008. In the past, when the investment involved extensive development activities, the cost estimates were based on the best knowledge of the requirements and, contingencies were held commensurate with risk and uncertainty. In the analysis of alternative approaches to EOSDIS Elements Evolution, the risks have been taken into account in analyzing costs and making decisions on which approach to use. The ESDIS Project follows a Continuous Risk Management (CRM) process. This process is an ongoing and iterative activity that documents and reports on EOSDIS acquisition risks. The ESDIS CRM process allows early identification of potential problems which could prevent customer satisfaction; increased likelihood of successful risk mitigation with minimal impact to project resources; focused attention on key dependencies; and, early notification to project management so alternatives have sufficient time to be implemented Risk mitigation measures include the ability to reconsider and replan with new technical solutions or reverting back to previously tested systems or operating approaches. The impact of cost overruns, based on predefined thresholds are included as part of the risk assessments. Risk management for EOSDIS considers the impact of technical obsolescence, lack of interoperability with other investments, risk of creating a monopoly for future procurements, and overall technical risk on the cost of the investment. Periodic updates to the risk management plan occur as the investment cycle proceeds.</p>
COST & SCHEDULE
<i>1. Does the earned value management system meet the criteria in ANSI/EIA Standard 748?</i>
no
<i>2. Is the CV% or SV% greater than $\hat{A} \pm 10\%$?</i>
no
<i>3. Has the investment re-baselined during the past fiscal year?</i>
no
<i>Generated by Primavera ProSight</i>