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:	
2. Agency:	Department of Commerce
3. Bureau:	Noaa (Nesdis)
4. Name of this Capital Asset:	NOAA/NESDIS/ GOES Ground System
5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.)	006-48-01-16-01-3201-00
6. What kind of investment will this be in FY 2010? (Please NOTE: Investments moving to O&M in FY 2010, with Planning/Acquisition activities prior to FY 2010 should not select O&M. These investments should indicate their current status.)	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:

The Geostationary Operational Environmental Satellite (GOES) Ground System supports the NESDIS GOES mission. GOES satellites provide data for short-term weather warnings and forecasts. Two GOES satellites provide images of the entire United States every 15 minutes or as frequently as every minute to monitor the development of severe weather. The National Weather Service (NWS) uses GOES data in models to form the basis of local weather forecasts. Over 120 NWS Forecast Offices use GOES images to provide local weather forecasts and warnings of severe weather events. GOES imagery is utilized by public and private industry for business, education, awareness and planning. GOES images are converted to videotape for use on all the national television weather shows.

The GOES Ground System is a "System-of-Systems" that comprises the end-to-end framework for collecting, processing, and disseminating critical environmental data and information from the GOES satellites. Operational elements are located at Fairbanks, Alaska; Wallops, Virginia; Suitland, Maryland; and Greenbelt, Maryland.

For BY10 GOES GS is Mixed Life Cycle project in the capital planning and investment control process. It supports both current, on-orbit and planned satellite data. Activities focus on the systems engineering and technical refreshment of GOES Ground System elements as required for mission continuity, maintainability, compatibility, and reliability. GOES IT funds support the following:
- Life cycle sustaining engineering of CDA and SOCC systems
- Antenna, and Telemetry and Command (T&C) repair/spare parts/tech refresh, and enhancements for new spacecraft
- GOES Ground Systems hardware/software refresh and systems engineering
- Technical refresh of CLASS, STAR, and NNDC systems used for archive and dissemination of NOAA's data products
- NESDIS Systems Engineering and IT management
- Communications infrastructure sustaining engineering
- GOES GS satellite service enhancements as needed to support new spacecraft

GOES GS will close any capability gap related to being "unable to provide forecasting services and can not meet customer requests for operational and situational (amended) forecasts" Therefore, the Nation will be better prepared to mitigate the effects of climate changes and weather extremes.

9. Did the Agency's Executive/Investment Committee approve this request?	Yes
a. If "yes," what was the date of this approval?	9/27/2006
10. Did the Project Manager review this Exhibit?	Yes
a. What is the current FAC-P/PM (for civilian agencies) or DAWIA (for defense agencies) certification level of the program/project manager?	Senior/Expert/DAWIA-Level 3
b. When was the Program/Project Manager Assigned?	12/15/2005
c. What date did the Program/Project Manager receive the FAC-P/PM certification? If the certification has not been issued, what is the anticipated date for certification?	11/17/2008
12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable	Yes

techniques or practices for this project?

a. Will this investment include electronic assets (including computers)?	Yes
b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)	No
1. If "yes," is an ESPC or UESC being used to help fund this investment?	
2. If "yes," will this investment meet sustainable design principles?	
3. If "yes," is it designed to be 30% more energy efficient than relevant code?	
13. Does this investment directly support one of the PMA initiatives?	Yes
If "yes," check all that apply:	Expanded E-Government
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?)	GOES provides improved satellite weather data access and enhanced services to Govt agencies and users worldwide. The GOES Ground System activities provide a variety of e-gov support. GOES GS provides weather satellite to NESDIS OSO to produce products used by the public, farmers, and the science and commercial communities. The GVAR website provides technical documents to GOES users worldwide using an OSD webserver. GOES is an approved shared service provider
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.)	Yes
a. If "yes," does this investment address a weakness found during a PART review?	Yes
b. If "yes," what is the name of the PARTed program?	10003104 - National Oceanic and Atmospheric Administration: Weather and Related Programs
c. If "yes," what rating did the PART receive?	Moderately Effective
15. Is this investment for information technology?	Yes

If the answer to Question 15 is "Yes," complete questions 16-23 below. If the answer is "No," do not answer questions 16-23.

For information technology investments only:

16. What is the level of the IT Project? (per CIO Council PM Guidance)	Level 2
17. In addition to the answer in 11(a), what project management qualifications does the Project Manager have? (per CIO Council PM Guidance)	(1) Project manager has been validated as qualified for this investment
18. Is this investment or any project(s) within this investment identified as "high risk" on the Q4 - FY 2008 agency high risk report (per OMB Memorandum M-05-23)	No
19. Is this a financial management system?	No
a. If "yes," does this investment address a FFMIA compliance area?	
1. If "yes," which compliance area:	
2. If "no," what does it address?	

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

20. What is the percentage breakout for the total FY2010 funding request for the following? (This should total 100%)

Hardware	24
Software	10
Services	66

Other	0
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?	N/A
23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval?	Yes
Question 24 must be answered by all Investments:	
24. Does this investment directly support one of the GAO High Risk Areas?	No

Section B: Summary of Spending (All Capital Assets)

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.

Table 1: SUMMARY OF SPENDING FOR PROJECT PHASES (REPORTED IN MILLIONS)
(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)

	PY-1 and earlier	PY 2008	CY 2009	BY 2010					
Planning:	0.55	0	0	0					
Acquisition:	12.509	0.2	0	0					
Subtotal Planning & Acquisition:	13.059	0.2	0	0					
Operations & Maintenance:	50.208	19.452	19.744	19.636					
TOTAL:	63.267	19.652	19.744	19.636					
Government FTE Costs should not be included in the amounts provided above.									
Government FTE Costs	0	0	0	0					
Number of FTE represented by Costs:	0	0	0	0					

Note: For the multi-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

a. If "yes," How many and in what year?

3. If the summary of spending has changed from the FY2009 President's budget request, briefly explain those changes:

The GOES Ground System summary of spending changes by a small amount each year due to inflation, planned hardware and software changes related to consolidating equipment into clusters to reduce stovepiping while, at the same time, implementing a phased technical refresh of old equipment and standardizing the system architecture. A consolidation and update of the IT security infrastructure is also included in the estimated spending.

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

1. Complete the table for all (including all non-Federal) contracts and/or task orders currently in place or planned for this investment. Total Value should include all option years for each contract. Contracts and/or task orders completed do not need to be included.

Contracts/Task Orders Table: * Costs in millions

Contract or Task Order Number	Type of Contract/ Task Order (In accordance with FAR Part 16)	Has the contract been awarded (Y/N)	If so what is the date of the award? If not, what is the planned award date?	Start date of Contract/ Task Order	End date of Contract/ Task Order	Total Value of Contract/ Task Order ($M)	Is this an Interagency Acquisition? (Y/N)	Is it performance based? (Y/N)	Competitively awarded? (Y/N)	What, if any, alternative financing option is being used? (ESPC, UESC, EUL, N/A)	Is EVM in the contract? (Y/N)	Does the contract include the required security & privacy clauses? (Y/N)	Name of CO	CO Contact information (phone/email)	Contracting Officer FAC-C or DAWIA Certification Level (Level 1, 2, 3, N/A)	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition? (Y/N)
DG133E03NC0693	Time and Materials	Yes	9/23/2003	9/23/2003	9/30/2009	18.6	No	Yes	Yes	NA	Yes	Yes		Joel.Perlroth@noaa.gov	Level 3	

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

One NESDIS contract listed in the GOES Ground System 300 that does not have EVM in the contract because that contract was initiated before the August 2005 requirement to have an EVM clause. The NOAA Contracting Office ensures compliance with the EVM clause requirement for all contracts initiated after August 2005.

For the GOES Ground System, the majority of contracts support steady state activities. For these contracts, there is a robust mechanism in place for contractor performance monitoring and control, applied through out the project life cycle. The projects under each contract are managed as an Integrated Project Team effort; interface working group and a technical interchange working group are in place to provide timely decisions to resolve issues which may arise. Contractor performance is evaluated by lead government team members on the Award Fee evaluation by the Board for award fee recommendation. Contractors are required to report cost and schedule detail including any risk assessment in monthly reports. These reports are tracked against project baselines to provide ongoing monitoring.

For contracts supporting DME projects within the GOES Ground System that meet Department of Commerce's definition of a major developmental project, EVM will be levied.

3. Do the contracts ensure Section 508 compliance?	Yes
a. Explain why not or how this is being done?	The Department of Commerce and NOAA Contracting Offices require the inclusion of Section 508 compliance language in the statement of work for all IT development service contracts. In order to procure all COTS equipment and software, requestors are required to include with their purchase order or file the Government purchase card invoices as well as the vendors statement of compliance (Voluntary Product Accessibility Template VPAT)).
4. Is there an acquisition plan which reflects the requirements of FAR Subpart 7.1 and has been approved in accordance with agency requirements?	Yes
a. If "yes," what is the date?	8/1/2006
1. Is it Current?	Yes
b. If "no," will an acquisition plan be developed?	
1. If "no," briefly explain why:	

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 (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 or qualitative 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 the next President's Budget.

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2006	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Service Quality	Accuracy of Service or Product Delivered	Image Navigation and Registration (INR)	Image registration is plus or minus a radius of 8km at nadir for 3 sigma	Image registration is + or - 8km radius	Image registration within + or - 8km radius for 2006
2006	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social,	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	Number of landmarks in spec as percent of total landmarks	Percent of landmarks within spec is greater than 95% of total landmarks	Percent of landmarks within spec is more than 95% of total landmarks	Landmarks within spec were within a range of 96 to 99% of total landmarks in 2006

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	and environmental needs.							
2006	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Quality	Complaints	Percent of data delivered meeting quality / time	98% GOES data delivered meeting quality / timeliness requirements (includes dropouts)	98% of GOES data delivered meets quality/timelines s requirements	99%
2006	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	System availability	95% system availability 24/7	96% system availability 24/7	99% system availability
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Service Quality	Accuracy of Service or Product Delivered	Image Navigation and Registration (INR) 3 sigma accuracy at nadir (smaller radius is better)	Plus or minus a radius of 8km	7.5km radius	INR within 7.5Km
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	Number of landmarks in spec as a percent of total landmarks	Greater than 95% of total landmarks	96% of total landmarks	96.5% of total landmarks
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Quality	Complaints	Percent of GOES data delivered meeting quality / timeliness requirements (includes dropouts)	98% of GOES data	98.5%	99.43%
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	System availability 24/7	95%	96%	97%
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Service Quality	Accuracy of Service or Product Delivered	Image Navigation and Registration (INR) 3 sigma accuracy at nadir (smaller radius is better).	Plus or minus a radius of 8km	7km radius	INR within 7km radius in FY08
2008	3.1 Advance understanding and predict changes in the	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	Number of landmarks in spec as percent of total	Greater than 95% of total landmarks.	96.5% of total landmarks	96.5% of total landmarks throughout FY08

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	Earth's environment to meet America's economic, social, and environmental needs.				landmarks.			
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Quality	Complaints	Percent of GOES data delivered meeting quality /timeliness requirements (includes dropouts).	98% of GOES data	98.5%	98.7% of GOES data throughout FY08
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	System availability 24/7	95%	96.5%	99% availability in FY08
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Service Quality	Accuracy of Service or Product Delivered	Image Navigation and Registration (INR) 3 sigma accuracy at nadir (smaller radius is better).	Plus or minus a radius of 8km	6.5km radius	TBD
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	Number of landmarks in spec as a percent of total landmarks.	Greater than 95% of total landmarks	97% of total landmarks	TBD
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Quality	Complaints	Percent of GOES data delivered meeting quality /timeliness requirements (includes dropouts)	98% of GOES data	99%	TBD
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	System availability 24/7	95%	97%	TBD
2010	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Service Quality	Accuracy of Service or Product Delivered	Image Navigation and Registration (INR) 3 sigma accuracy at nadir (smaller is better	Plus or minus a radius of 8km	6km radius	TBD

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2010	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Mission and Business Results	Environmental Management	Environmental Monitoring and Forecasting	Number of landmarks in spec as percent of total landmarks	Greater than 95% of total landmarks.	97.5% of total landmarks	TBD
2010	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Quality	Complaints	Percent of GOES data delivered meeting quality/timelines s requirements (includes dropouts)	98% of GOES data	99%	TBD
2010	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	System availability 24/7	95%	97.5%	TBD

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

8. Planning & Operational Systems - Privacy Table:

(a) Name of System	(b) Is this a new system? (Y/N)	(c) Is there at least one Privacy Impact Assessment (PIA) which covers this system? (Y/N)	(d) Internet Link or Explanation	(e) Is a System of Records Notice (SORN) required for this system? (Y/N)	(f) Internet Link or Explanation
GOES GS	No	No	This system does not contain or process personally identifiable information (PII).	No	A SORN is not required because the system is not a Privacy Act System of Records.
STAR (ORA RDS)	No	No	This system does nor contain or process PII.	No	A SORN is not required because the system is not a Privacy Act System of Records.

Details for Text Options:
Column (d): If yes to (c), provide the link(s) to the publicly posted PIA(s) with which this system is associated. If no to (c), provide an explanation why the PIA has not been publicly posted or why the PIA has not been conducted.

Column (f): If yes to (e), provide the link(s) to where the current and up to date SORN(s) is published in the federal register. If no to (e), provide an explanation why the SORN has not been published or why there isn't a current and up to date SORN.

Note: Working links must be provided to specific documents not general privacy websites. Non-working links will be considered as a blank field.

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

In order to successfully address this area of the capital asset plan and business case, the investment must be included in the agency's EA and Capital Planning and Investment Control (CPIC) process and mapped to and supporting the FEA. The business case must demonstrate 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

   a. If "no," please explain why?

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

   a. If "yes," provide the investment name as identified in — Weather and Water Sequencing Plan

the Transition Strategy provided in the agency's most recent annual EA Assessment.	
b. If "no," please explain why?	
3. Is this investment identified in a completed and approved segment architecture?	No
a. If "yes," provide the six digit code corresponding to the agency segment architecture. The segment architecture codes are maintained by the agency Chief Architect. For detailed guidance regarding segment architecture codes, please refer to http://www.egov.gov.	275-000

4. Service Component 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.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
MS-SSV-ENO Ensure 24/7 Operations	This capability includes program management functions and program infrastructure items such as IT, Telecommunications, Facilities, and Customer Support. This capability allows the Satellite Services program to integrate the other compoments for maximum benefit to the nation.	Back Office Services	Asset / Materials Management	Computers / Automation Management			No Reuse	15
MS-SSV-ENO Ensure 24/7 Operations	This capability includes program management functions and program infrastructure items such as IT, Telecommunications, Facilities, and Customer Support. This capability allows the Satellite Services program to integrate the other components for maximum benefit ot the nation.	Back Office Services	Asset / Materials Management	Facilities Management			No Reuse	10
MS-SSV-DRA Product Development, Readiness, and Applications Support	This capability ensures the scientific integrity of products/services. It includes developing new satellite derived algorithms, supporting sensor calibration and validation, and planning, risk reduction, and technology transfer.	Back Office Services	Data Management	Data Cleansing			No Reuse	10
MS-SSV Produce Products/Services	Processing of NOAAs 1a and 1B dta sets into approximately	Back Office Services	Data Management	Data Exchange	Data Exchange	006-48-01-16-01-3213-00	Internal	10

4. Service Component 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.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
	400products that specifically address atmospheric oceanographic, land, and solar application requirements.							
CL-COA Data Stewardship	Acquisition, quality control, metadata cataloging, validation, reprocessing, storage, retrieval, dissemination, and archival of data.	Back Office Services	Data Management	Data Warehouse	Data Warehouse	006-48-01-13-01-3205-00	Internal	10
MS-SSV-PSO Ingest/Process Satellite Observations	Allow data & observations to be acquired from both NOAA and non-NOAA satellite sources and processed to a level necessary to prepare the data to be further refined into the required product sets (e.g., level 1B data)	Back Office Services	Data Management	Loading and Archiving			No Reuse	20
CL-COA Data Stewardship	Acquisition, quality control, metadata cataloging, validation, reprocessing, storage, retrieval, dissemination, and archival of data.	Back Office Services	Data Management	Loading and Archiving	Loading and Archiving	006-48-01-13-01-3205-00	Internal	5
CL-COA Data Stewardship	Acquisition, quality control. metadata cataloging, validation, reprocessing, storage, retrieval, dissemination, and archival of data.	Back Office Services	Data Management	Meta Data Management	Meta Data Management	006-48-01-13-01-3205-00	Internal	5
MS-STG-GIP GOES Series I-P	Geostationary Operational Environmental Satellite N series includes GOES-N, GOES-O, and GOES-P satellites. GOES-N was launched in May 2006 and GOES-O is planned to be launched in April 2009. The GOES N series and maintaining GOES I-M provide critical environmental, weather, and space data through a continuous flow of data and information that meets customers spatial,	Back Office Services	Development and Integration	Data Integration			No Reuse	10

4. Service Component 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.egov.gov.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
	temporal, and accuracy requirements, providing significant customer benefit.							
MS-SSV Produce Products/Services	Processing of NOAAs 1A and 1B data sets into approximately 400 products that specifically address atmospheric, oceanographic, land, and solar application requirements.	Customer Services	Customer Relationship Management	Product Management	Product Management	006-48-01-16-01-3213-00	Internal	5

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 percentage of the BY requested funding amount transferred to another agency to pay for the service. The percentages in the column can, but are not required to, add up to 100%.

5. Technical Reference Model (TRM) 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)
Data Exchange	Component Framework	Data Interchange	Data Exchange	Internet prorocol
Meta Data Management	Component Framework	Data Management	Database Connectivity	Enterprise servers and archive system
Facilities Management	Service Access and Delivery	Service Requirements	Hosting	Antennas, computer operations centers, and related buildings
Loading and Archiving	Service Access and Delivery	Service Transport	Service Transport	Internet Protocol (IP)
Data Integration	Service Interface and Integration	Integration	Middleware	Transaction Processing Monitor
Data Cleansing	Service Interface and Integration	Interoperability	Data Types / Validation	Sensor calibration
Data Warehouse	Service Platform and Infrastructure	Database / Storage	Storage	Enterprise servers and archive system
Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Dell, Vax, and Sun computers and servers, and Cisco routers
Product Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Enterprise servers

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.

6. Will the application leverage existing components and/or applications across the Government (i.e., USA.gov, Pay.Gov, etc)? No

a. If "yes," please describe.

Exhibit 300: Part II: Planning, Acquisition and Performance Information

Section A: Alternatives Analysis (All Capital Assets)

Part II should be completed only for investments identified as "Planning" or "Full Acquisition," or "Mixed Life-Cycle" investments in response to Question 6 in Part I, Section A above.

In selecting the best capital asset, you should identify and consider at least three viable alternatives, in addition to the current baseline, i.e., the status quo. Use OMB Circular A-94 for all investments and the Clinger Cohen Act of 1996 for IT investments to determine the criteria you should use in your Benefit/Cost Analysis.

1. Did you conduct an alternatives analysis for this project? Yes

a. If "yes," provide the date the analysis was completed? 4/23/2006

b. If "no," what is the anticipated date this analysis will be completed?

c. If no analysis is planned, please briefly explain why:

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

a. If "yes," what is the date of the plan? 7/9/2008

b. Has the Risk Management Plan been significantly changed since last year's submission to OMB? No

c. If "yes," describe any significant changes:

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

a. If "yes," what is the planned completion date?

b. If "no," what is the strategy for managing the risks?

3. Briefly describe how investment risks are reflected in the life cycle cost estimate and investment schedule:

The GOES Ground System applies a continuous risk management approach to identify, analyze and mitigate risks associated with operating and managing the program. The GOES Ground System risk management process includes quantification of both risk event likelihood and cost/performance/schedule impact. The Software Configuration Control Board (SCCB) has been established to minimize risk to the operational environment. Risks identified by government and/or contractor are evaluated by the Board. For developmental risks and operational programmatic risks, an assessment of the priority of the risk is provided by the originator and an assessment is evaluated by the management team. For operational system risks, an assessment of the risk's priority is provided by the originator and the assessment is evaluated by the SCCB. Risk mitigation plans are developed as required and become part of the ongoing prioritization activities that supports the operational environment as well as development environment.

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

EVM is required only on DME portions of investments. For mixed lifecycle investments, O&M milestones should still be included in the table (Comparison of Initial Baseline and Current Approved Baseline). This table should accurately reflect the milestones in the initial baseline, as well as milestones in the current baseline.

1. Does the earned value management system meet the criteria in ANSI/EIA Standard-748? Yes

2. Is the CV% or SV% greater than +/- 10%? (CV%= CV/EV x 100; SV%= SV/PV x 100) No

a. If "yes," was it the CV or SV or both?

b. If "yes," explain the causes of the variance:

c. If "yes," describe the corrective actions:

3. Has the investment re-baselined during the past fiscal year? No

a. If "yes," when was it approved by the agency head?

4. Comparison of Initial Baseline and Current Approved Baseline

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). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate '0' for any milestone no longer active.

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date (mm/dd/yyyy)	Total Cost ($M) Estimated	Completion Date (mm/dd/yyyy)		Total Cost ($M)		Schedule (# days)	Cost ($M)	
				Planned	Actual	Planned	Actual			
1	SS/FY04 and Earlier IT GOES Ground System	9/30/2004	$5.963000	9/30/2004	9/30/2004	$5.963000	$5.963000	0	$0.000000	100%
2	FY05 GOES Ground System/Infrastructure	9/30/2005	$17.230000	9/30/2005	9/30/2005	$17.230000	$17.230000	0	$0.000000	100%
2.1	DME	9/30/2005	$6.135000	9/30/2005	9/30/2005	$6.135000	$6.135000	0	$0.000000	100%
2.1.1	DME/Solid State Transmitters	9/30/2005	$1.770000	9/30/2005	9/30/2005	$1.770000	$1.770000	0	$0.000000	100%
2.1.2	DME/3C Automation Study	9/30/2005	$1.500000	9/30/2005	9/30/2005	$1.500000	$1.500000	0	$0.000000	100%
2.1.3	DME/CLASS Hardware	9/30/2005	$0.690000	9/30/2005	9/30/2005	$0.690000	$0.690000	0	$0.000000	100%
2.1.4	DME/DAPS Replacement	9/30/2005	$0.550000	9/30/2005	9/30/2005	$0.550000	$0.550000	0	$0.000000	100%
2.1.5	DME/DCS Demodulators	9/30/2005	$0.500000	9/30/2005	9/30/2005	$0.500000	$0.500000	0	$0.000000	100%
2.1.6	DME/ORA Production System H/W & S/W	9/30/2005	$0.585000	9/30/2005	9/30/2005	$0.585000	$0.585000	0	$0.000000	100%
2.1.7	DME/Other	9/30/2005	$0.540000	9/30/2005	9/30/2005	$0.540000	$0.540000	0	$0.000000	100%
2.2	SS	9/30/2005	$11.095000	9/30/2005	9/30/2005	$11.095000	$11.095000	0	$0.000000	100%
2.2.1	SS/Antennas	9/30/2005	$0.850000	9/30/2005	9/30/2005	$0.850000	$0.850000	0	$0.000000	100%
2.2.2	SS/RF Systems	9/30/2005	$0.255000	9/30/2005	9/30/2005	$0.255000	$0.255000	0	$0.000000	100%
2.2.3	SS/T&C Instr. Support	9/30/2005	$1.625000	9/30/2005	9/30/2005	$1.625000	$1.625000	0	$0.000000	100%
2.2.4	SS/PG&D	9/30/2005	$0.262000	9/30/2005	9/30/2005	$0.262000	$0.262000	0	$0.000000	100%
2.2.5	SS/Special Projects	9/30/2005	$0.000000	9/30/2005	9/30/2005	$0.000000		0		100%
2.2.6	SS/Communications	9/30/2005	$1.358000	9/30/2005	9/30/2005	$1.358000	$1.358000	0	$0.000000	100%
2.2.7	SS/Systems Engineering	9/30/2005	$5.093000	9/30/2005	9/30/2005	$5.093000	$5.093000	0	$0.000000	100%
2.2.8	SS/Data Centers	9/30/2005	$1.652000	9/30/2005	9/30/2005	$1.652000	$1.652000	0	$0.000000	100%
3	FY06 GOES Ground System/Infrastructure	9/30/2006	$18.701000	9/30/2006	9/30/2006	$18.701000	$18.701000	0	$0.000000	100%
3.1	DME	9/30/2006	$6.504000	6/30/2006	6/30/2006	$6.504000	$6.504000	0	$0.000000	100%
3.1.1	DME/Solid State Transmitters	9/30/2006	$3.200000	6/30/2006	6/30/2006	$3.200000	$3.200000	0	$0.000000	100%
3.1.2	DME/3C Automation Study	9/30/2006	$0.500000	6/30/2006	6/30/2006	$0.500000	$0.500000	0	$0.000000	100%
3.1.3	DME/CLASS Hardware	9/30/2006	$1.030000	6/30/2006	6/30/2006	$1.030000	$1.030000	0	$0.000000	100%
3.1.4	DME/DAPS Replacement	9/30/2006	$1.000000	6/30/2006	6/30/2006	$1.000000	$1.000000	0	$0.000000	100%
3.1.5	DME/ORA Production H/W &	9/30/2006	$0.560000	6/30/2006	6/30/2006	$0.560000	$0.560000	0	$0.000000	100%

4. Comparison of Initial Baseline and Current Approved Baseline

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). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate '0' for any milestone no longer active.

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date (mm/dd/yyyy)	Total Cost ($M) Estimated	Completion Date (mm/dd/yyyy)		Total Cost ($M)		Schedule (# days)	Cost ($M)	
				Planned	Actual	Planned	Actual			
	S/W									
3.1.6	DME/Other	9/30/2006	$0.214000	6/30/2006	6/30/2006	$0.214000	$0.214000	0	$0.000000	100%
3.2	SS	9/30/2006	$12.197000	9/30/2006	9/30/2006	$12.197000	$12.197000	0	$0.000000	100%
3.2.1	SS/Antennas	9/30/2006	$1.583000	9/30/2006	9/30/2006	$1.583000	$1.583000	0	$0.000000	100%
3.2.2	SS/RF Systems	9/30/2006	$0.555000	9/30/2006	9/30/2006	$0.555000	$0.555000	0	$0.000000	100%
3.2.3	SS/T&C Instr. Support	9/30/2006	$2.042000	9/30/2006	9/30/2006	$2.042000	$2.042000	0	$0.000000	100%
3.2.4	SS/PG&D	9/30/2006	$0.507000	9/30/2006	9/30/2006	$0.507000	$0.507000	0	$0.000000	100%
3.2.5	Communications	9/30/2006	$0.796000	9/30/2006	9/30/2006	$0.796000	$0.796000	0	$0.000000	100%
3.2.6	SS/Engineering	9/30/2006	$5.280000	9/30/2006	9/30/2006	$5.280000	$5.280000	0	$0.000000	100%
3.2.7	SS/Data Centers	9/30/2006	$1.434000	9/30/2006	9/30/2006	$1.434000	$1.434000	0	$0.000000	100%
4	FY07 GOES Ground System/Infrastructure	9/30/2007	$21.373000	9/30/2007	9/30/2007	$21.373000	$21.373000	0	$0.000000	100%
4.1	DME XGOHI Extended GOES High Inclination - Implementation	9/30/2007	$0.420000	9/30/2007	9/30/2007	$0.420000	$0.420000	0	$0.000000	100%
4.2	SS	9/30/2007	$20.953000	9/30/2007	9/30/2007	$20.953000	$20.953000	0	$0.000000	100%
4.2.1	SS Antennas	9/30/2007	$0.167000	9/30/2007	9/30/2007	$0.167000	$0.167000	0	$0.000000	100%
4.2.2	SS RF Systems	9/30/2007	$1.875000	9/30/2007	9/30/2007	$1.875000	$1.875000	0	$0.000000	100%
4.2.3	SS Telemetry & Command Instrument Support	9/30/2007	$3.285000	9/30/2007	9/30/2007	$3.285000	$3.285000	0	$0.000000	100%
4.2.4	SS Product Generation & Distribution (PG&D)	9/30/2007	$5.871000	9/30/2007	9/30/2007	$5.871000	$5.871000	0	$0.000000	100%
4.2.5	SS Special Projects	9/30/2007	$0.227000	9/30/2007	9/30/2007	$0.227000	$0.227000	0	$0.000000	100%
4.2.6	SS Communications Support	9/30/2007	$0.501000	9/30/2007	9/30/2007	$0.501000	$0.501000	0	$0.000000	100%
4.2.7	SS IT Systems Engineering	9/30/2007	$7.720000	9/30/2007	9/30/2007	$7.720000	$7.720000	0	$0.000000	100%
4.2.8	SS Data Centers	9/30/2007	$1.307000	9/30/2007	9/30/2007	$1.307000	$1.307000	0	$0.000000	100%
5	FY08 IT GOES Ground System/Infrastructure	9/30/2008	$19.652000	9/30/2008	9/30/2008	$19.652000	$19.652000	0	$0.000000	100%
5.1	DME XGOHI Phase 2 HW upgrade	9/30/2008	$0.200000	9/30/2008	9/30/2008	$0.200000	$0.200000	0	$0.000000	100%
5.2	SS	9/30/2008	$19.452000	9/30/2008	9/30/2008	$19.452000	$19.452000	0	$0.000000	100%

4. Comparison of Initial Baseline and Current Approved Baseline

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). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate '0' for any milestone no longer active.

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date (mm/dd/yyyy)	Total Cost ($M) Estimated	Completion Date (mm/dd/yyyy)		Total Cost ($M)		Schedule (# days)	Cost ($M)	
				Planned	Actual	Planned	Actual			
5.2.1	SS Antennas	9/30/2008	$0.320000	9/30/2008	9/30/2008	$0.320000	$0.320000	0	$0.000000	100%
5.2.2	SS RF Systems	9/30/2008	$0.780000	9/30/2008	9/30/2008	$0.780000	$0.780000	0	$0.000000	100%
5.2.3	SS Telemetry & Command Instrument Support	9/30/2008	$3.541000	9/30/2008	9/30/2008	$3.541000	$3.541000	0	$0.000000	100%
5.2.4	SS Product Generation & Distribution (PG&D)	9/30/2008	$3.982000	9/30/2008	9/30/2008	$3.982000	$3.982000	0	$0.000000	100%
5.2.5	SS Special Projects	9/30/2008	$0.125000	9/30/2008	9/30/2008	$0.125000	$0.125000	0	$0.000000	100%
5.2.6	SS Communications	9/30/2008	$1.323000	9/30/2008	9/30/2008	$1.323000	$1.323000	0	$0.000000	100%
5.2.7	SS System Engineering IT	9/30/2008	$7.747000	9/30/2008	9/30/2008	$7.747000	$7.747000	0	$0.000000	100%
5.2.8	SS Data Centers	9/30/2008	$1.634000	9/30/2008	9/30/2008	$1.634000	$1.634000	0	$0.000000	100%
6	FY09 IT GOES Ground System/Infrastructure	9/30/2009	$19.744000	9/30/2009		$19.744000				0%
6.1	DME	9/30/2009	$0.000000	9/30/2009		$0.000000				0%
6.2	SS	9/30/2009	$19.744000	9/30/2009		$19.744000				0%
6.2.1	SS Antennas	9/30/2009	$0.560000	9/30/2009		$0.560000				0%
6.2.2	SS RF Systems	9/30/2009	$0.615000	9/30/2009		$0.615000				0%
6.2.3	SS Telemetry and Command (T&C) Instrument Support	9/30/2009	$3.685000	9/30/2009		$3.685000				0%
6.2.4	SS Product generation & Distribution (PG&D)	9/30/2009	$3.555000	9/30/2009		$3.555000				0%
6.2.5	SS Special Products	9/30/2009	$0.125000	9/30/2009		$0.125000				0%
6.2.6	SS Communications	9/30/2009	$1.400000	9/30/2009		$1.400000				0%
6.2.7	SS System Engineering IT	9/30/2009	$7.994000	9/30/2009		$7.994000				0%
6.2.8	SS Data Centers	9/30/2009	$1.810000	9/30/2009		$1.810000				0%
7	FY10 IT GOES Ground System/Infrastructure	9/30/2010	$19.636000	9/30/2010		$19.636000				0%
7.1	Steady State (SS)	9/30/2010	$19.636000	9/30/2010		$19.636000				0%
7.1.1	SS Antennas	9/30/2010	$0.550000	9/30/2010		$0.550000				0%
7.1.2	SS RF Systems	9/30/2010	$1.105000	9/30/2010		$1.105000				0%

4. Comparison of Initial Baseline and Current Approved Baseline

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). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate '0' for any milestone no longer active.

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date (mm/dd/yyyy)	Total Cost ($M) Estimated	Completion Date (mm/dd/yyyy)		Total Cost ($M)		Schedule (# days)	Cost ($M)	
				Planned	Actual	Planned	Actual			
7.1.3	SS Telemetry and Command (T&C) Instrument Support	9/30/2010	$2.823000	9/30/2010		$2.823000				0%
7.1.4	SS Product Generation and Distribution (PG&D)	9/30/2010	$3.966000	9/30/2010		$3.966000				0%
7.1.5	SS Special Products	9/30/2010	$0.125000	9/30/2010		$0.125000				0%
7.1.6	SS Communications	9/30/2010	$1.350000	9/30/2010		$1.350000				0%
7.1.7	SS System Engineering IT	9/30/2010	$8.228000	9/30/2010		$8.228000				0%
7.1.8	SS Data Centers	9/30/2010	$1.489000	9/30/2010		$1.489000				0%