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:	1/7/2008
2. Agency:	Department of Commerce
3. Bureau:	Noaa (Nos)
4. Name of this Capital Asset:	NOAA/NOS/ Nautical Charting System
5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.)	006-48-01-15-01-3401-00
6. What kind of investment will this be in FY2009? (Please NOTE: Investments moving to O&M in FY2009, with Planning/Acquisition activities prior to FY2009 should not select O&M. These investments should indicate their current status.)	Operations and Maintenance
7. What was the first budget year this investment was submitted to OMB?	FY 2001 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:

This investment, the Nautical Charting System (NCS), meets NOAA's strategic requirement of supporting the Nation's commerce with information for safe, efficient, and environmentally sound transportation. The primary products of the NCS are navigational charts and chart derived products. The charts come in three basic types: Electronic Nautical Charts (ENCs) for use in Electronic Chart Display and Information Systems; Raster Navigational Charts (RNCs) used in electronic navigation systems; and lastly, the traditional lithographic (paper) chart.

The NCS is the IT infrastructure (hardware, software and databases) and it has five broad functions: First, it ingests hydrographic, shoreline, and aids to navigation data for application to products; second, it tracks the status of data applications and tracks status of NCS products; third, it produces quality nautical charts and chart derived products; fourth, it informs internal and external customers of changes; and fifth, it is used to distribute nautical charts and chart derived products. Currently, in the NCS there are two data pipelines and they are the ENC and the RNC. Running and supporting two data pipelines is inefficient. IT spending on the NCS is broken down into two categories, supporting the existing NCS structure and integrating the next generation NCS from a COTS based product which will enable NOAA to produce both ENCs and RNCs from the same data source.

In order to select the COTS product to replace the dual production line a contract was awarded to McDonald Bradley, INC. (MBI) in 2004. The contract is structured in such a way to ensure that the government was acquiring a COTS product by breaking it into four discrete components.

Component 1: Requirements Analysis (completed: May 2005) - this analysis documented the functional requirements that were needed in order to create both ENC and Raster/Paper products.

Component 2: Trade Study (completed: December 2005) - MBI conducted a in-depth trade study of the available COTS packages that met functional requirements. This trade study tested available COTS products.

Component 3: System Selection (completed: January 2007)

Component 4: System Integration (est. completion July 2008) - System integration consists of writing interface points from the COTS product which forms the core of the NCSII production system to the external database management systems within the Marine Chart Division.

9. Did the Agency's Executive/Investment Committee approve this request?	Yes
a. If "yes," what was the date of this approval?	5/7/2004
10. Did the Project Manager review this Exhibit?	Yes
12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project?	No
a. Will this investment include electronic assets (including computers)?	Yes
b. Is this investment for new construction or major	No

retrofit of a Federal building or facility? (answer applicable to non-IT assets only)	
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?)	This asset will allow OCS to continuously improve its charting capabilities and deliver a high quality electronic chart in order to promote the mission of safe navigation. These same products will also be available for quick delivery to the mariner via the internet, allowing the public to use the most up-to-date information in order to safely navigate the United States coastal waterways.
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?	National Oceanic & Atmospheric Administration: Navigation Services
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. 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 2007 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?	No
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 FY2009 funding request for the following? (This should total 100%)

Hardware	7
Software	10
Services	60
Other	23
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
23. Are the records produced by this investment appropriately scheduled with the National Archives and	Yes

Records Administration's approval?

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 2007	CY 2008	BY 2009	BY+1 2010	BY+2 2011	BY+3 2012	BY+4 and beyond	Total
Planning:	3.9781	0	0	0					
Acquisition:	3.03147	0	0	0					
Subtotal Planning & Acquisition:	7.00957	0	0	0					
Operations & Maintenance:	5.847875	2.541469	2.25	2.994					
TOTAL:	12.857445	2.541469	2.25	2.994					
Government FTE Costs should not be included in the amounts provided above.									
Government FTE Costs	4.3669	0.854	0.869	0.8845					
Number of FTE represented by Costs:	36	8	8	8					

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?

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	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 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)
GS35F5433H	Firm Fixed Price and Time and Materials	Yes	9/19/2004	10/1/2004	9/30/2009	10	No	Yes	Yes	NA	No	Yes		Linda.d.Brainard@noaa.gov		
	Time and Materials	No	10/1/2007				No	Yes	Yes	NA	No	Yes		Linda.d.Brainard@noaa.gov		

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:

At the time of contract award EVMS was not required of the contract.

The COR ensures this contract stays on schedule and meets the requirements of the contract through the project management plan, submitted invoices and monthly status meetings with the contractors.

3. Do the contracts ensure Section 508 compliance?	No
a. Explain why:	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 Assessibility Template VPAT). The second contract is an Operations and Maintenance contract.
4. Is there an acquisition plan which has been approved in accordance with agency requirements?	Yes
a. If "yes," what is the date?	4/1/2004
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 FY 2009.

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2006	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Customer Results	Service Quality	Accuracy of Service or Product Delivered	Provide nautical chart data (via our nautical products and services) to navigation data uses (customer)	1000 raster chart database	Maintain 100% of raster chart database with critical updates	99% of Raster Chart Database maintained with Critical Updates
2006	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Mission and Business Results	Transportation	Water Transportation	Provide updated nautical chart data (via our nautical products and services) to navigation data uses (customer)	1000 raster chart database	Produce 250 new editions	Produced 261 new editions
2006	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social,	Processes and Activities	Productivity and Efficiency	Productivity	Nautical Charting System II 10% integrated	Nautical Charting System II 0% integrated	Nautical Charting System II integrated by 10%	Nautical Charting System II integrated by 50%

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	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Information and Data	External Data Sharing	Continue to build vector database (ENC) to house nautical charting database	500 ENC database	Maintain 100% ENC database with critical updates	97% of critical updates done on ENC database.
2006	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Information and Data	External Data Sharing	550 ENC database	500 ENC database	Produce 50 new ENCs	Produced 70 new ENC's
2006	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Information and Data	External Data Sharing	Nautical Charting System maintained	Nautical Charting System	Nautical Charting System 100% maintained	Nautical Charting System 100% maintained
2006	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Information and Data	Internal Data Sharing	Nautical Charting System II Commercial Off The Shelf (COTS) trade study	Nautical Charting System	COTS identified and purchased for Nautical Charting System II process	Nautical Charting System II COTS selected
2007	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Customer Results	Service Quality	Accuracy of Service or Product Delivered	% of raster charts maintained with critical updates	1000 raster chart database	100%	98% estimate
2007	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Mission and Business Results	Transportation	Water Transportation	# of new edition raster charts--new charts or charts with enough changes that they require reprinting.	1000 raster chart database	200	210 estimate
2007	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Processes and Activities	Productivity and Efficiency	Productivity	% of Nautical Charting System II integrated with existing NCS	10%	70%	50% estimate
2007	3.2 Enhance the conservation and management of coastal and	Technology	Information and Data	External Data Sharing	% of ENC chart equivalents maintained with critical updates	550 ENC chart database	100%	80% estimate

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	marine resources to meet America's economic, social, and environmental needs.							
2007	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Information and Data	External Data Sharing	# of chart equivalents in ENC database	550	601	570 estimate
2007	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Information and Data	External Data Sharing	% IT infrastructure of Nautical Charting System maintained	100%	100%	100%
2008	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Customer Results	Service Quality	Accuracy of Service or Product Delivered	% of raster charts maintained with critical updates	100%	100%	
2008	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Mission and Business Results	Transportation	Water Transportation	# of new edition raster charts--new charts or charts with enough changes that they require reprinting.	1000 raster chart database	180	
2008	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Processes and Activities	Productivity and Efficiency	Productivity	% of Nautical Charting System II integrated with existing NCS.	50%	80%	
2008	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Information and Data	External Data Sharing	% of ENC chart equivalents maintained with critical updates	601 ENC charts database	100%	
2008	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Information and Data	External Data Sharing	# of cells in ENC database	570	620	

Performance Information Table

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2008	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Information and Data	External Data Sharing	% IT infrastructure of Nautical Charting System I maintained	100%	100%	
2009	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Customer Results	Service Quality	Accuracy of Service or Product Delivered	% of raster charts maintained with critical updates	1000 raster chart database	100%	
2009	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Mission and Business Results	Transportation	Water Transportation	# of new edition raster charts--new charts or charts with enough changes that they require reprinting.	1000 raster chart database	150	
2009	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Processes and Activities	Productivity and Efficiency	Productivity	% IT infrastructure of Nautical Charting System I and II maintained	100%	100%	
2009	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Processes and Activities	Productivity and Efficiency	Productivity	% of Nautical Charting System II integrated with existing NCS	80%	100%	
2009	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Information and Data	External Data Sharing	% of ENC chart equivalents maintained with critical updates	620 ENC cell database	100%	
2009	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Information and Data	External Data Sharing	# of chart equivalents in ENC database	620	720	
2009	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social,	Technology	Information and Data	Internal Data Sharing	Transition NCS ENC production toolset to NCS II ENC toolset	ENC uses NCS production toolset	ENC uses NCS II production toolset	

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	and environmental needs.							

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).

For existing Mixed-Life Cycle investments where enhancement, development, and/or modernization is planned, include the investment in both the "Systems in Planning" table (Table 3) and the "Operational Systems" table (Table 4). Systems which are already operational, but have enhancement, development, and/or modernization activity, should be included in both Table 3 and Table 4. Table 3 should reflect the planned date for the system changes to be complete and operational, and the planned date for the associated C&A update. Table 4 should reflect the current status of the requirements listed. In this context, information contained within Table 3 should characterize what updates to testing and documentation will occur before implementing the enhancements; and Table 4 should characterize the current state of the materials associated with the existing system.

All systems listed in the two security tables should be identified in the privacy table. The list of systems in the "Name of System" column of the privacy table (Table 8) should match the systems listed in columns titled "Name of System" in the security tables (Tables 3 and 4). For the Privacy table, it is possible that there may not be a one-to-one ratio between the list of systems and the related privacy documents. For example, one PIA could cover multiple systems. If this is the case, a working link to the PIA may be listed in column (d) of the privacy table more than once (for each system covered by the PIA).

The questions asking whether there is a PIA which covers the system and whether a SORN is required for the system are discrete from the narrative fields. The narrative column provides an opportunity for free text explanation why a working link is not provided. For example, a SORN may be required for the system, but the system is not yet operational. In this circumstance, answer "yes" for column (e) and in the narrative in column (f), explain that because the system is not operational the SORN is not yet required to be published.

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
a. If "yes," provide the "Percentage IT Security" for the budget year:	6
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
5. Have any weaknesses, not yet remediated, related to any of the systems part of or supporting this investment been identified by the agency or IG?	Yes
a. If "yes," have those weaknesses been incorporated into the agency's plan of action and milestone process?	Yes

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
Office of Coast Survey Nautical Charting System	No	No	No, because the system does not contain or process or transmit personal identifying information.	No	No 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 the Transition Strategy provided in the agency's most recent annual EA Assessment.	Marine Transportation System, Products and Services Marine Transportation System, The ability to acquire hydrographic products and services. Marine Transportation System, Support for Integrated Ocean and Coastal
b. If "no," please explain why?	
3. Is this investment identified in a completed (contains a target architecture) and approved segment architecture?	No
a. If "yes," provide the name of the segment architecture as provided in the agency's most recent annual EA Assessment.	

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)
Office of Coast Survey	Integrating data from different sources to create nautical charting products.	Back Office Services	Development and Integration	Data Integration	Data Integration		Internal	0
Office of Coast Survey	Maintain and enhance software needed to ingest new forms of data, maintain and enhance software to track processes, maintain and enhance software to distribute charting products.	Back Office Services	Development and Integration	Software Development	Software Development		Internal	0
Office of Coast Survey	Producing nautical charting products.	Business Analytical Services	Visualization	Mapping / Geospatial / Elevation / GPS	Mapping / Geospatial / Elevation / GPS		External	0
Office of Coast Survey	Managing the configuration of the NCS	Business Management Services	Management of Processes	Configuration Management	Configuration Management		Internal	0
Office of Coast Survey	Develop websites to distribute charting products.	Digital Asset Services	Content Management	Content Authoring	Content Authoring		External	0
Office of Coast Survey	Ingesting data into the NCS and converting it to a usable format.	Digital Asset Services	Document Management	Document Conversion	Document Conversion		Internal	0
Office of Coast Survey	Tracking what source data has been applied to a chart. What applications have been reviewed and approved.	Process Automation Services	Tracking and Workflow	Process Tracking	Process Tracking		External	0

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 Integration	Component Framework	Data Management	Database Connectivity	
Computers / Automation Management	Service Access and Delivery	Access Channels	Other Electronic Channels	
Computers / Automation Management	Service Access and Delivery	Access Channels	Web Browser	
Computers / Automation Management	Service Access and Delivery	Access Channels	Web Browser	
Computers / Automation Management	Service Access and Delivery	Service Transport	Service Transport	
Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	
Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	
Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	

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., FirstGov, Pay.Gov, etc)? No

a. If "yes," please describe.

Exhibit 300: Part III: For "Operation and Maintenance" investments ONLY (Steady State)

Section A: Risk Management (All Capital Assets)

Part III should be completed only for investments identified as "Operation and Maintenance" (Steady State) in response to Question 6 in Part I, Section A above.

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?	7/10/2006
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?

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

1. Was operational analysis conducted?	Yes
a. If "yes," provide the date the analysis was completed.	2/9/2007

b. If "yes," what were the results?

The 2006 operational analysis for the Nautical Charting System had 3 major achievements: New charted shipping routes to contribute to Right Whale safety, a new chart critical to maritime commerce was created and NOAA Raster Navigational Charts were made available for free download. The purpose of the NCS was met as it provided the customer (mariners) information for safe, efficient and environmentally sound marine transportation for commerce via nautical charts and related products. Performance measures reviewed included timeliness and responsiveness to responding to inquiries, and a review of the number of ENCs and RNCs downloaded and a review of Print on Demand and Lithographic Chart sales. Performance Measures where listed in the operational analysis. They match with the performance measures listed in section I.D.

The most significant challenge to address for the NCS is to Unify both raster/paper and ENC production pipelines.

The Office of Coast Survey has worked for several years to leverage technology to improve efficiencies in the nautical chart production process (reference OMB300: 006-48-01-15-01-3401-00). In the first quarter of FY2005, the Office of Coast Survey's (OCS) Marine Chart Division (MCD) embarked upon a five year contract with McDonald Bradley, Inc (MBI) in order to acquire a new single production line system that integrates the ENC production line and the raster production line into a seamless vector database where multiple products can be extracted. This contract is broken into four separate phases.
Phase 1: Requirements Analysis (Completed: May 2005)
Phase 2: Trade Study and System Test (Completed: December 2005)
Phase 3: System Selection (Completed: February 2007)
Phase 4: System Integration (Estimated: July 2008)
Phase 5: System Migration (Will take at least 3-4 years after system selection)

c. If "no," please explain why it was not conducted and if there are any plans to conduct operational analysis in the future:

2. Complete the following table to compare actual cost performance against the planned cost performance baseline. Milestones reported may include specific individual scheduled preventative and predictable corrective maintenance activities, or may be the total of planned annual operation and maintenance efforts).

a. What costs are included in the reported Cost/Schedule Performance information (Government Only/Contractor Only/Both)?	Contractor and Government

2.b Comparison of Plan vs. Actual Performance Table:

Comparison of Plan vs. Actual Performance Table

Milestone Number	Description of Milestone	Planned		Actual		Variance	
		Completion Date (mm/dd/yyyy)	Total Cost($M)	Completion Date (mm/dd/yyyy)	Total Cost($M)	Schedule (# days)	Cost($M)
1	Generation I Operations and Maintenance	9/30/2008	$11.131383	8/27/2007	$10.510342	400	$0.621041
2	Generation II Requirements Analysis	4/1/2005	$0.513286	5/31/2005	$0.513286	-60	$0
3	Generation II Trade Study	11/1/2005	$0.45793	12/24/2005	$0.45793	-53	$0
4	Generation II Government System Selection	1/2/2006	$0				
5	Generation II Systems Acquisition	9/30/2009	$1.58397	8/27/2007	$0.58697	765	$0.997
6	Generation II Systems Integration	7/31/2008	$1.978395		$0.913961		$1.064434
7	O&M Contract	9/30/2009	$1.662826				
8	Systems Support (SS)	2/28/2006	$0.35		$0.207416		$0.142584
9	Enhancement of hydrographic data acquisisiton and processing	9/30/2003	$0.5162	9/30/2003	$0.5162	0	$0
10	Develop and install real-time, off-site, and back-up server at HSD/AHB	8/31/2003	$0.015	8/31/2003	$0.015	0	$0
12	Produce 250 New Paper Editions & 20 new ENC's	9/30/2003	$0.82303	9/30/2003	$0.82303	0	$0