

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: National Oceanic And Atmospheric Administration

4. Name of this Capital Asset: NOAA/NOS CS/ 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 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.) Operations and Maintenance

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:

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 all chart products from one production system.

In order to select the COTS product to replace the dual production line a contract was awarded to ManTech SPS in 2004. SPS was purchased by McDonald Bradley and later by ManTech. 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 (contract milestone - Jan. 31, 2009) - 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

a. What is the current FAC-P/PM (for civilian agencies) or DAWIA (for defense agencies) certification level of the program/project manager? New Program Manager

b. When was the Program/Project Manager Assigned? 7/28/2008

c. What date did the Program/Project Manager receive the FAC-P/PM certification? If the certification has not been 7/28/2009

issued, what is the anticipated date for certification?

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 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?) 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?

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) (4) Project manager assigned but qualification status review has not yet started

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 FFMA 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 FY2010 funding request for the following? (This should total 100%)

Hardware	4
Software	2
Services	88

- Other 6
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 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:	3.9781	0	0	0					
Acquisition:	3.03147	0	0	0					
Subtotal Planning & Acquisition:	7.00957	0	0	0					
Operations & Maintenance:	8.389344	2.25	3.1372	3.004					
TOTAL:	15.398914	2.25	3.1372	3.004					
Government FTE Costs should not be included in the amounts provided above.									
Government FTE Costs	5.2209	0.869	0.8845	0.9006					
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?
3. If the summary of spending has changed from the FY2009 President's budget request, briefly explain those changes:
The integration contract is a firm fixed price contract designed to integrate a COTS package into the NCS. The estimated completion date of the integration contract is July of 2008.

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)
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	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:

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 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 Assessability Template VPAT).

The second contract is an Operations and Maintenance contract.

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? 4/1/2004

1. Is it Current?

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	3.2 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	Processes and Activities	Productivity	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%

Exhibit 300: NOAA/NOS CS/ Nautical Charting System (Revision 2)

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	resources to meet America's economic, social, 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 ENC's	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	99% of 1000 raster chart database	100%	98%
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 ENC chart equivalents maintained with critical updates within one month of publication	97% of 550 ENC chart database	100%	80%
2007	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Customer Results	Timeliness and Responsiveness	Response Time	Average time to respond to chart comments, inquiries and discrepancies	2.1 days	2.0 days	7.8 days
2007	3.2 Enhance the	Mission and	Transportation	Water	# of new edition	1000 raster	200	210

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Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Business Results		Transportation	raster charts-- new charts or charts with enough changes that they require reprinting.	chart database		
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	Productivity	% of Nautical Charting System II integrated with existing NCS	10%	70%	50%
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
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 within one week of presentation	98%	100%	89% estimate
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 ENC chart equivalents maintained with critical updates within one month of publication	80% of 570 ENC charts database	100%	91% estimate
2008	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Customer Results	Timeliness and Responsiveness	Response Time	Average time to respond to chart comments, inquiries and discrepancies	7.8 days	2.0 days	1.9 days estimate
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	167 estimate
2008	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and	Processes and Activities	Productivity	Productivity	% of Nautical Charting System II integrated with existing NCS.	50%	80%	80% estimate

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Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	environmental needs.							
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	648 estimate
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 within one week of publication	89% 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.	Customer Results	Service Quality	Accuracy of Service or Product Delivered	% of ENC chart equivalents maintained with critical updates within one month of publication	91% of 648 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.	Customer Results	Timeliness and Responsiveness	Response Time	Average time to respond to chart comments, inquiries and discrepancies	1.9 days	2.0 days	
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	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 chart equivalents in ENC database	648	748	
2009	3.2 Enhance the conservation and management of coastal and marine	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	

Exhibit 300: NOAA/NOS CS/ Nautical Charting System (Revision 2)

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	resources to meet America's economic, social, and environmental needs.							
2010	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 ENC chart equivalents maintained with critical updates within one month of publication	100% of 748 ENC cell database	100%	
2010	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Customer Results	Timeliness and Responsiveness	Response Time	Average time to respond to chart comments, inquiries and discrepancies	2 days	2 days	
2010	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 chart equivalents in ENC database	748	848	
2010	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	% of lithographic product generated from Nautical Charting System II	0%	20%	
2010	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	% Data implementation for Geographic Region 2	0%	60%	

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
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					

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
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 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)
Office of Coast Survey	Maintenance of Servers and Software	Back Office Services	Asset / Materials Management	Computers / Automation Management			No Reuse	19
Office of Coast Survey	Integrating COTS software into the Nautical Charting System for next generation data pipeline	Back Office Services	Development and Integration	Data Integration			No Reuse	41
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			No Reuse	6
Office of Coast Survey	Managing the configuration of the NCS	Business Management Services	Management of Processes	Configuration Management			No Reuse	10
Office of Coast Survey	Processing of and distribution	Digital Asset Services	Content Management	Content Authoring			No Reuse	13

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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)
	of charting products via the internet.							
Office of Coast Survey	Ingesting data into the NCS and converting it to a usable format.	Digital Asset Services	Document Management	Document Conversion			No Reuse	1
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			No Reuse	10

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 FEA 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	Open Database Connectivity (ODBC)
Computers / Automation Management	Service Access and Delivery	Access Channels	Other Electronic Channels	System to System
Computers / Automation Management	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Computers / Automation Management	Service Access and Delivery	Access Channels	Web Browser	Netscape Communicator
Content Authoring	Service Access and Delivery	Delivery Channels	Internet	Internet Information Server
Computers / Automation Management	Service Access and Delivery	Service Transport	Service Transport	Hyper Text Transfer Protocol (HTTP)
Software Development	Service Interface and Integration	Interoperability	Data Transformation	Geographic Information Systems
Document Conversion	Service Interface and Integration	Interoperability	Data Transformation	Source Data Management
Process Tracking	Service Interface and Integration	Interoperability	Data Types / Validation	Source Data Management
Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	Redundant Array of Independent Disks (RAID)
Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Enterprise Server
Configuration Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	CVS

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 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 an operational analysis conducted? Yes
 - a. If "yes," provide the date the analysis was completed. 1/14/2007
 - 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 ENC's and RNC's downloaded and a review of Print on Demand and Lithographic Chart sales. Performance Measures were 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: January 2009)

- 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 Only

2.b 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)
1.0	Generation I Operations and Maintenance	9/30/2008	\$11.131383	8/27/2007	\$10.510342	400	\$0.621041
1.1	FY2002	9/30/2002	\$2.835000	9/30/2002	\$2.835000	0	\$0.000000
1.2	FY2003	9/30/2003	\$2.834500	9/30/2003	\$2.834500	0	\$0.000000
1.3	FY2004 Operations and Maintenance	9/30/2004	\$1.878000	9/30/2004	\$1.878000	0	\$0.000000
1.4	FY2005 Operations and Maintenance	9/30/2005	\$1.085121	9/30/2005	\$1.085121	0	\$0.000000
1.5	FY2006 Operations and Maintenance	9/30/2006	\$1.151797	9/30/2006	\$1.151797	0	\$0.000000
1.6	FY2007 Operations and Maintenance	9/30/2007	\$0.874857	8/27/2007	\$0.725924	34	\$0.148933
1.7	FY2008 Operations and Maintenance	9/30/2008	\$0.472108				
2.0	Generation II Requirements Analysis	4/1/2005	\$0.513286	5/31/2005	\$0.513286	-60	\$0.000000
3.0	Generation II Trade Study	11/1/2005	\$0.457930	12/24/2005	\$0.457930	-53	\$0.000000
4.0	Generation II Government System Selection	1/2/2006	\$0.000000		\$0.000000		\$0.000000
5.0	Generation II Systems Acquisition	9/30/2009	\$1.583970	8/29/2008	\$0.669966	397	\$0.914004
5.1	FY2005 Acquisition	9/30/2005	\$0.018970	11/30/2004	\$0.018970	304	\$0.000000
5.2	FY2006 Acquisition	9/30/2006	\$0.000000		\$0.000000		\$0.000000
5.3	FY2007 Acquisition	9/30/2007	\$0.568000	8/27/2007	\$0.568000	34	\$0.000000
5.4	FY2008 Acquisition	9/30/2008	\$0.280000	8/29/2008	\$0.082996	32	\$0.197004
5.5	FY2009 Acquisition	9/30/2009	\$0.717000		\$0.000000		\$0.717000
6.0	Generation II Systems Integration	7/31/2008	\$1.978395		\$1.291108		\$0.687288
6.1	FY2006 Integration	9/30/2006	\$0.677465		\$0.677465		\$0.000000
6.2	FY2007 Integration	9/30/2007	\$0.810429		\$0.236496		\$0.573933
6.3	FY2008 Integration	7/31/2008	\$0.490501		\$0.377147		\$0.113355
7.0	O&M Contract	9/30/2009	\$1.662826		\$0.853713		\$0.809113
7.1	FY2008 O&M	9/30/2009	\$0.831413		\$0.853713		-\$0.022300
7.2	FY2009 O&M	9/30/2009	\$0.831413		\$0.000000		\$0.831413

Exhibit 300: NOAA/NOS CS/ Nautical Charting System (Revision 2)

2.b 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)
8.0	Systems Support (SS)	2/28/2006	\$0.350000		\$0.207416		\$0.142584
8.1	FY2005 Systems Support	2/28/2006	\$0.350000		\$0.207416		\$0.142584
9.0	Enhancement of hydrographic data acquisisiton and processing	9/30/2003	\$0.516200	9/30/2003	\$0.516200	0	\$0.000000
10.0	Develop and install real-time, off-site, and back-up server at HSD/AHB	8/31/2003	\$0.015000	8/31/2003	\$0.015000	0	\$0.000000
11.0	Produce 250 New Paper Editions & 20 new ENC's	9/30/2003	\$0.823030	9/30/2003	\$0.823030	0	\$0.000000
12.0	O&M Hardware and Software Acquistion	9/30/2010	\$1.780000	8/29/2008	\$1.261857	762	\$0.518143
12.1	FY2004	9/30/2004	\$0.880000	9/30/2004	\$0.880000	0	\$0.000000
12.2	FY2005	9/30/2005	\$0.250000		\$0.121000		\$0.129000
12.3	FY2006	9/30/2006	\$0.130000		\$0.000000		\$0.130000
12.4	FY2007	9/30/2007	\$0.130000		\$0.000000		\$0.130000
12.5	FY2008	9/30/2008	\$0.130000	8/29/2008	\$0.260857	32	-\$0.130857
12.6	FY2009	9/30/2009	\$0.130000		\$0.000000		\$0.130000
12.7	FY2010	9/30/2010	\$0.130000		\$0.000000		\$0.130000