

Exhibit 300: Capital Asset Plan and Business Case Summary**Part I: Summary Information And Justification (All Capital Assets)****Section A: Overview (All Capital Assets)**

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|--|----------------------------|
| 1. Date of Submission: | 1/7/2008 |
| 2. Agency: | Department of Commerce |
| 3. Bureau: | Noaa (Nos) |
| 4. Name of this Capital Asset: | NOAA/NOS/ PORTS & NWLON |
| 5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.) | 006-48-01-15-01-3402-00 |
| 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:
- The PORTS and NWLON IT System ingests, performs quality control, processes observations of water levels and currents along with salinity and many meteorological parameters (e.g., winds, atmospheric pressure, visibility) and generates an integrated set of environmental information to provide to its customers to improve the safety and efficiency of maritime commerce and coastal resource management. In its own right, PORTS (Physical Oceanographic Real-Time System) is a decision support tool which improves the safety and efficiency of maritime commerce and coastal resource management through the integration of real time environmental observations, forecasts, and other geospatial information. Each PORTS implementation is a partnership effort in consultation with the local harbor or waterway organizations and with the local community providing installation and operation costs. Each PORTS installation provides real-time information that allows shippers and port operators to maximize port throughput while maintaining an adequate margin of safety. In its own right, NWLON (National Water Level Observation Network) is a CO-OPS managed network of continuously operating long-term water level stations in the U.S. coastal areas, U.S. possessions, and the Great Lakes tidal and provides the vertical water-datum control for the nation. Over the years, the PORTS and NWLON programs have become tightly coupled and integration of the IT systems has become paramount in order to meet NOAA's mission for PORTS and NWLON to support environmental stewardship and environmental assessment and prediction. Objectives include: modernization and consolidation of the metadata within the two programs; institutionalization of a 24-hour per day, seven days per week data quality control system; continuation of partnerships with private industry and the national port and harbor infrastructure to deploy and operate additional PORTS; and improved real-time capabilities. These efforts will result in benefits to community preparedness and response during severe weather events, protect lives and property, and minimize impacts on sensitive habitats.
- FY09 new funds are for strengthening current capabilities and is not for any development, modernization or enhancement. FY09 funds include \$360K for 3 IT contractors, \$10K for telecommunications, \$95K each for hardware and software.
- | | |
|---|----------|
| 9. Did the Agency's Executive/Investment Committee approve this request? | Yes |
| a. If "yes," what was the date of this approval? | 9/8/2003 |
| 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? | Yes |
| 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?) PORTS/NWLON provides navigational information in real-time to businesses and citizens through a variety of electronic delivery systems.

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? No

b. If "yes," what is the name of the PARTed program? 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 FFIA 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	9
Software	8
Services	64
Other	19

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? No

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:	2.36	0	0	0					
Acquisition:	2.28	0	0	0					
Subtotal Planning & Acquisition:	4.64	0	0	0					
Operations & Maintenance:	6.57	2.806	2.759	4.178					
TOTAL:	11.21	2.806	2.759	4.178					
Government FTE Costs should not be included in the amounts provided above.									
Government FTE Costs	4.255	0.888	1.132	1.189					
Number of FTE represented by Costs:	11	9	11	11					

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.

Exhibit 300: NOAA/NOS/ PORTS & NWLON (Revision 16)

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)
DG133C04C T0064	Delivery	Yes	9/28/2004	12/1/2004	12/1/2004	9/28/2009	No	No	Yes	NA	No	Yes		Linda.d.Brainard@noaa.gov		
DG133C06N C2096	Time & Materials	Yes	9/21/2006	9/25/2006	9/25/2006	9/24/2011	No	No	Yes	NA	Yes	Yes		Linda.d.Brainard@noaa.gov		
DG133C07N C0987	Time & Materials	Yes	6/17/2007	7/1/2007	7/1/2007	6/30/2012	No	No	Yes	NA	Yes	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:

DG133C04CT0064 was awarded before the EVM requirement was put into place. Earned value is a contract requirement in contracts DG133C06NC2096 and DG133C07NC0987.

3. Do the contracts ensure Section 508 compliance? Yes

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 Assessability Template VPAT)

4. Is there an acquisition plan which has been approved in accordance with agency requirements? Yes

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

12/4/2006

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
2002	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Customer Results	Service Coverage	New Customers and Market Penetration	% of PORTS with data provided via voice system	0% of PORTS with data provided via voice system	100% of PORTS with data provided via voice system	100% of PORTS with data provided via voice system
2002	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 PORTS	8 PORTS	9 PORTS	9 PORTS
2002	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 PORTS using standardized data acquisition process	0% of PORTS using standardized data acquisition process	100% of PORTS using standardized data acquisition process	100% of PORTS using standardized data acquisition process
2002	3.2 Enhance the conservation and management of	Technology	Reliability and Availability	Availability	% of PORTS with backup communications	0% of PORTS with backup communications	100% of PORTS with backup communications	100% of PORTS with backup communications

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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
	coastal and marine resources to meet America's economic, social, and environmental needs.							
2003	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Customer Results	Service Accessibility	Access	% of real-time NWLON data accessible via the web	0% of real-time NWLON data accessible via the web	100% of real-time NWLON data accessible via the web	100% of real-time NWLON data accessible via the web
2003	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 PORTS	9 PORTS	10 PORTS	10 PORTS
2003	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 software controlled via a software management system	0% of software controlled via a software management system	100% of software controlled via a software management system	100% of software controlled via a software management system
2003	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Reliability and Availability	Availability	% of time NWLON system is available	75% time NWLON system is available	90% time NWLON system is available	90% time NWLON system is available
2004	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Customer Results	Service Accessibility	Availability	# of operational nowcast/forecast models	0 Operational Nowcast/Forecast Models	3 Operational Nowcast/Forecast Models	3 Operational Nowcast/Forecast Models
2004	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 PORTS	10 PORTS	12 PORTS	12 PORTS
2004	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 PORTS data stored in a database	0% of PORTS data stored in a database	100% of PORTS data stored in a database	100% of PORTS data stored in a database

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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
2004	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Reliability and Availability	Availability	% of data collected via CO-OPS maintained DOMSAT	0% of data collected via CO-OPS maintained DOMSAT	100% of data collected via CO-OPS maintained DOMSAT	100% of data collected via CO-OPS maintained DOMSAT
2005	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Customer Results	Service Accessibility	Availability	# of operational nowcast/forecast models	3 Operational Nowcast/Forecast Models	6 Operational Nowcast/Forecast Models	6 Operational Nowcast/Forecast Models
2005	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 PORTS	12 PORTS	13 PORTS	13 PORTS
2005	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 NWLON Stations	175 NWLON Stations	187 NWLON Stations	187 NWLON Stations
2005	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Processes and Activities	Security and Privacy	Privacy	% of system certification and accreditation via in-house process	0% of system certification and accreditation via in-house process	100% of system certification and accreditation via in-house process	100% of system certification and accreditation via in-house process
2005	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Quality	Functionality	# of Xpert Data Collection Platforms	No Xpert Data Collection Platforms	50 Xpert Data Collection Platforms	50 Xpert Data Collection Platforms
2005	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Reliability and Availability	Availability	% system availability	90% system availability	99% system availability	99% system availability
2006	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social,	Customer Results	Service Accessibility	Availability	# of operational nowcast/forecast models	6 Operational Nowcast/Forecast Models	9 Operational Nowcast/Forecast Models	9 Operational Nowcast/Forecast Models

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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
	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.	Mission and Business Results	Transportation	Water Transportation	# of NWLON Stations	187 NWLON Stations	196 NWLON Stations	196 NWLON Stations
2006	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	Efficiency	% real-time station configuration view capability by field crew	0% real-time station configuration view capability by field crew	100% real-time station configuration view capability by field crew	100% real-time station configuration view capability by field crew
2006	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 water current deployments per fiscal year	40 Water Current Deployments per fiscal year	70 Water Current Deployments per fiscal year	70 Water Current Deployments per fiscal year
2006	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Quality	Functionality	# of Xpert Data Collection Platforms	50 Xpert Data Collection Platforms	110 Xpert Data Collection Platforms	110 Xpert Data Collection Platforms
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 Accessibility	Access	% of real-time data accessible via web services portal	0% of real-time data accessible via web services portal	100% of real-time data accessible via web services portal	100% of real-time data accessible via web services portal
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 NWLON Stations	196 NWLON Stations	200 NWLON Stations	200 NWLON Stations
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 PORTS	13 PORTS	14 PORTS	14 PORTS
2007	3.2 Enhance the conservation and management of coastal and	Processes and Activities	Productivity and Efficiency	Productivity	% of survey water current data processed and analyzed via	0% of survey water current data processed and analyzed via	100% of survey water current data processed and analyzed via	100% of survey water current data processed and analyzed via

Exhibit 300: NOAA/NOS/ PORTS & NWLON (Revision 16)

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.				an automated system (C-MIST)	an automated system	an automated system	an automated system
2007	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Quality	Functionality	# of Xpert Data Collection Platforms	110 Xpert Data Collection Platforms	175 Xpert Data Collection Platforms	175 Xpert Data Collection Platforms
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 Accessibility	Automation	% of tide tables available on-line	0% tide tables available on-line	50% of tide tables on-line	
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 Coverage	New Customers and Market Penetration	% of PORTS with narrative summary product	0% of PORTS with narrative summary product	100% of PORTS with narrative summary product	
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 NWLON Stations	200 NWLON Stations	205 NWLON stations	
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 PORTS	14 PORTS	18 PORTS	
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	% real-time station configuration update capability by field crew	0% real-time station configuration update capability by field crew	100% real-time station configuration update capability by field crew	
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	% integration of the PORTS and NWLON IT processes	0% integration of the PORTS and NWLON IT processes	20% integration of the PORTS and NWLON IT processes	

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	Effectiveness	IT Contribution to Process, Customer, or Mission	% integration of the PORTS and NWLON IT systems	0% integration of the PORTS and NWLON IT systems	20% integration of the PORTS and NWLON IT systems	
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 Accessibility	Automation	% of tide tables available on-line	50% tide tables available on-line	100% tide tables available on-line	
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 data quality controlled through CORMS AI	0% of data quality controlled through CORMS AI	25% of data quality controlled through CORMS AI	
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 NWLON Stations	205 NWLON Stations	210 NWLON Stations	
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 PORTS	18 PORTS	20 PORTS	
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	% integration of the PORTS and NWLON IT processes	20% integration of the PORTS and NWLON IT processes	40% integration of the PORTS and NWLON IT processes	
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 real-time current data processed and analyzed via an automated system (C-MIST)	0% of real-time current data processed and analyzed via an automated system	100% of real-time current data processed and analyzed via an automated system	
2009	3.2 Enhance the conservation and management of coastal and marine resources to meet America's economic, social, and environmental needs.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	% integration of the PORTS and NWLON IT systems	20% integration of the PORTS and NWLON IT systems	40% integration of the PORTS and NWLON IT systems	

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	and environmental needs.							
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	Data Standardization or Tagging	% of metadata converted to DMAC-compliant standards	0% of metadata converted to DMAC-compliant standards	100% of metadata converted to DMAC-compliant standards	

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: 7

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
PORTS	No	No	No, because the system does not contain, process, or transmit personal identifying information.	No	No, because the system is not a Privacy Act system of records.

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
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. PORTS and NWLON

b. If "no," please explain why?

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

a. If "yes," provide the name of the segment architecture as NOAA Observing Systems Architecture (NOSA) 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)
CT-MTS-Observations	PORTS and NWLON collects water level, current, and meteorological observations from a network of stations.	Back Office Services	Data Management	Extraction and Transformation			No Reuse	0
CT-MTS-Provide Oceanographic and Charting Products and Services	PORTS and NWLON provides real-time information for safe, efficient, and environmentally sound navigation; storm surge and tsunami warnings; sea level rise; coastal zone management; habitat restoration; and emergency response. This data is used to produce accurate tidal datums, water level and current	Back Office Services	Data Management	Extraction and Transformation			No Reuse	0

Exhibit 300: NOAA/NOS/ PORTS & NWLON (Revision 16)

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)
	predictions, tidal control for hydrographic surveys, long-term sea level trends and others.							
CT-MTS-Provide Customer Support, Education and Outreach	PORTS and NWLON depends on a close relationship between itself and its customers to provide the products and services desired by customer. Customer support, education, and outreach are critical to maximizing the utility of the PORTS and NWLON products and services.	Back Office Services	Data Management	Extraction and Transformation			No Reuse	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)
Access Control	Component Framework	Data Interchange	Data Exchange	
Extraction and Transformation	Component Framework	Data Management	Database Connectivity	
Extraction and Transformation	Component Framework	Data Management	Database Connectivity	
Access Control	Component Framework	Presentation / Interface	Static Display	
NEW	Component Framework	Security	Certificates / Digital Signatures	
Email	Service Access and Delivery	Access Channels	Collaboration / Communications	
Extraction and Transformation	Service Access and Delivery	Access Channels	Other Electronic Channels	
Access Control	Service Access and Delivery	Access Channels	Other Electronic Channels	
Extraction and Transformation	Service Access and Delivery	Access Channels	Web Browser	
Extraction and Transformation	Service Access and Delivery	Access Channels	Web Browser	
Access Control	Service Access and Delivery	Service Requirements	Legislative / Compliance	
Extraction and Transformation	Service Access and Delivery	Service Transport	Service Transport	
Extraction and Transformation	Service Access and Delivery	Service Transport	Service Transport	
Access Control	Service Access and Delivery	Service Transport	Service Transport	
Access Control	Service Access and Delivery	Service Transport	Service Transport	
Access Control	Service Interface and Integration	Integration	Middleware	

Exhibit 300: NOAA/NOS/ PORTS & NWLON (Revision 16)

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)
Extraction and Transformation	Service Interface and Integration	Interoperability	Data Format / Classification	
Access Control	Service Interface and Integration	Interoperability	Data Types / Validation	
Access Control	Service Platform and Infrastructure	Database / Storage	Database	
Extraction and Transformation	Service Platform and Infrastructure	Delivery Servers	Web Servers	
Extraction and Transformation	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	
Extraction and Transformation	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	
Extraction and Transformation	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	
Extraction and Transformation	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	
Access Control	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	
Access Control	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	
Access Control	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	
Access Control	Service Platform and Infrastructure	Support Platforms	Platform Dependent	
Access Control	Service Platform and Infrastructure	Support Platforms	Platform Independent	

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., 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? 7/21/2006
- b. Has the Risk Management Plan been significantly changed since last year's submission to OMB? No
- c. If "yes," describe any significant changes:

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 PORTS and NWLON Major Application is meeting the customer's needs and is delivering the services that it intends to deliver. In 2006, the application aided users by providing water level and elevation information for successful coastal wetlands rehabilitation; continuing to provide real time data to support safe navigation at thirteen PORTS; providing real time water level data to improve storm surge forecasts generated by the NWS; expanding support for the NWS Tsunami Warning Network through expansion of eight new tsunami ready NWLON stations and development of a Tsunami web page; and supporting the Coast Guard AIS initiative which requires all ships to carry a transponder beacon. The value and success of this application in terms of meeting customers' needs mandates a continued need for this investment.

- 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:

Exhibit 300: NOAA/NOS/ PORTS & NWLON (Revision 16)

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	PORTS and NWLON IT Infrastructure, Data, and Application Integration Problem Definition	9/30/2002	\$0.6	9/30/2002	\$0.6	0	\$0
2	Infrastructure Integration - Stabilize Database Hardware Platform	1/31/2003	\$0.67	1/31/2003	\$0.67	0	\$0
3	Infrastructure Integration - Software Management System for all PORTS/NWLON Software	9/30/2003	\$0.025	9/30/2003	\$0.025	0	\$0
4	Infrastructure Integration - Tides and Currents Web Site (modernization and incorporation of NOAA standards)	9/30/2005	\$0.145	9/30/2005	\$0.145	0	\$0
5	Infrastructure Integration - PORTS and NWLON Security Certification and Accreditation	8/31/2005	\$0.275	8/31/2005	\$0.275	0	\$0
6	Infrastructure Integration - PORTS Water Level Data Feed into NWLON Database	3/31/2004	\$0.022	3/31/2004	\$0.022	0	\$0
7	Infrastructure Integration - Backup Database	1/31/2005	\$0.368	1/31/2005	\$0.368	0	\$0
8	Infrastructure Integration - Backup Data Download	9/30/2005	\$0.145	9/30/2005	\$0.145	0	\$0
9	Infrastructure Integration - Continuity of Operations	9/30/2004	\$0.015	9/30/2004	\$0.015	0	\$0
10	Infrastructure Integration - Stabilize Application Server Hardware Platform	9/30/2005	\$0.19	9/30/2005	\$0.19	0	\$0
11	Infrastructure Integration - Reliable Operating Environment	9/30/2005	\$0.13	9/30/2005	\$0.13	0	\$0
12	Infrastructure Integration - Additional PORTS, NWLON Stations, and/or Data	9/30/2005	\$0.28	9/30/2005	\$0.28	0	\$0
13	Data Integration	9/30/2005	\$0.405	9/30/2005	\$0.405	0	\$0

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)
14	Application Integration - CORMS AI (Quality Control of Data Using Artificial Intelligence Technology)	9/30/2005	\$1.17	9/30/2005	\$1.17	0	\$0
15	Application Integration - C-MIST (Data Processing and Analysis)	9/30/2005	\$0.325	9/30/2005	\$0.325	0	\$0
16	Application Integration - Data Archive Application	9/30/2005	\$0.175	9/30/2005	\$0.175	0	\$0
17	Application Integration - ARNS (natural language automated narrative data summaries)	3/31/2005	\$0.07	3/31/2005	\$0.07	0	\$0
18	Application Integration - Nowcast/Forecast Models	9/30/2005	\$0.02	9/30/2005	\$0.02	0	\$0
19	Application Integration - IOOS Portal	7/31/2005	\$0.05	7/31/2005	\$0.05	0	\$0