

**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 (Nws)                    |
| 4. Name of this Capital Asset:   | NOAA/NWS/ NWS Regions & Field |
| 5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.)  | 006-48-01-12-01-3118-00       |
| 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?  | FY2003                        |

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 supports delivery of NOAA's NWS mission of saving lives and property. This investment directly supports NOAA's strategic goal #3, "Serve Society's Needs for Weather and Water information.", especially, under the strategy of "Engage, Advise and Inform", because the IT systems are operated and maintained directly in support of the development and delivery of critical weather information and emergency alerts.

It is in the NWS Regions and field offices where the information from programs such as, AWIPS, NEXRAD, ASOS, AHPS, etc. are utilized. The meteorologists, hydrologists, and other professionals provide society weather, water and climate information, observations, predictions, and weather watches and warnings. These locations are instrumental to enable the U.S. economy to operate efficiently and equitably, both nationally and globally.

The NWS Region and field offices personnel and facilities physically and technologically support the delivery of all the programmatic services for NOAA's NWS. They assist in sustaining and improving the NWS mission and performance. The information technology used in the six (6) regional offices, (121) weather forecast offices (WFO) and (13) river forecast centers (RFC) must keep up with the various programs areas required level of innovation, cutting edge science and technology to enhance American competitiveness. The NWS Regions & fields main function is to contribute to NWS mission and Strategic Plan goals by providing Information Technology equipment, telecommunications and services which support unique weather, water and climate service requirements, and which cannot be provided within national IT programs and services.

This initiative supports President Management Agenda initiatives in the areas of Expanded Electronic Government and Budget and Performance Integration.

The NWS Regions & Field office web sites provide easy access with easy-to-find real time weather, water and climate services, meeting the Presidents agenda for Expanded Electronic Government. Resources of the NWS Regions & Fields are directly monitored to improve performance and support achievement of the Budget and Performance Integration and NWS GPRA goals.

- |   |          |
|---|----------|
| 9. Did the Agency's Executive/Investment Committee approve this request?  | Yes      |
| a. If "yes," what was the date of this approval?  | 9/1/2003 |
| 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?) Expanded Electronic Government: IT resources for weather and water information and warning services are used by the NWS Regions & Fields, the single points of access, to federal, state and local governments and emergency manager coordinators in every state.

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](http://www.whitehouse.gov/omb/part).) No

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?

c. If "yes," what rating did the PART receive?

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	30
Software	17
Services	53
Other	0

21. If this project produces information dissemination products for the public, are these products published to the Internet in conformance with OMB Memorandum 05-04 and included in your agency inventory, schedules and priorities? N/A

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

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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.

	PY-1 and earlier	PY 2007	CY 2008	BY 2009
Planning:	0	0	0	0
Acquisition:	0	0	0	0
Subtotal Planning & Acquisition:	0	0	0	0
Operations & Maintenance:	82.9	21.9	21.9	21.9
TOTAL:	82.9	21.9	21.9	21.9
Government FTE Costs	0	0	0	0
Number of FTE represented by Costs:	0	0	0	0

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 FY2008 President's budget request, briefly explain those changes:  
 Prior to FY08, the "Regions and Field" Exhibit 300 provided investment justification and planning for all IT equipment and service procurements made by the regions and field offices. This includes regional networking, web services, desktop systems and software. Nearly all of the IT expenditures made by the regions and field offices were accounted for in the Regions and Field Exhibit 300. Beginning in FY08, "NWS Infrastructure" has been established as a consolidated IT program and an Exhibit 300 developed for this project this year. This new program and it's Exhibit 300 provide investment justification and planning for the new consolidated IT services, which includes NOAA Net, consolidated web services and general purpose desktop computer system hardware and software purchases. Costs for IT expenditures made by regions and field offices prior to FY08 are now split between the "NWS Infrastructure" and the "Regions and Field" Exhibit 300s. This has created an apparent reduction in spending in Regions and Field, however, much of that reduction has been absorbed in the new NWS Infrastructure project.

**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.

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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)
SA1301-04-NC-0084	Firm Fixed	Yes	9/5/2005	9/5/2005	9/30/2010	2.749589	No	No	Yes	NA	No	Yes	Silverman, Carol	csilverman@doc.gov	N/A	Yes
Cisco Maintenance	Firm Fixed	Yes	9/25/2006	9/25/2006	9/24/2009	7	No	No	Yes	NA	No	Yes	Middleton, Anita	Anita.R.Middleton@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:

There is no DME work in this contract.

3. Do the contracts ensure Section 508 compliance? Yes

a. Explain why:

Compliance Requirements for section 508 are written into the statement of work, requiring contractors to produce deliverables which meet 508 standards and utilize 508 compliant development and production tools

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

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

10/1/2005

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](http://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
2005	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Information and Data	Data Reliability and Quality	Develop Web Radar Display	Acquire radar from all 121 offices	Database Radar Imagery	Radar data data base operational
2006	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Productivity and Efficiency	Efficiency	Improve reliability and timeliness of weather and water internet content to users by mirroring all six web farms	Common observation, warning and forecast content delivered from 6 individual web farms	Provide access to NWS weather and water internet content seamlessly from 4 Continental U.S. web farms	Seamless Access to radar data implemented across all web farms
2006	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Productivity and Efficiency	Efficiency	Improve accessibility of weather and water INTERNET content to users by providing access to data in common wireless INTERNET formats.	Observation, warning and forecast content delivered in HTML but not Wireless Access Protocol	Provide access to NWS forecasts, warnings and observations in Wireless Access Protocol (WAP)	WAP based forecast service provided nationally from Southern Region Web Farm
2006	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and	Processes and Activities	Productivity and Efficiency	Efficiency	Take advantage of technological developments to provide more effective regional network configuration, increased network speeds	Regional distribution network services provided with fram relay communications	Provide access to Multi-Protocol Label Switching (MPLS) networks for 13 selected WFO/RFC	Technical testing of MPLS networking performed at 3 WFO delayed due to technical problems with AWIPS messaging

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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.				and lower cost.			protocol. Technical issues have been resolved but schedules are behind by 6-12 months
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Service Accessibility	Access	Access rate of radar data to customers	Data available to customers in 24 hours 96% of the time	Maintain steady state baseline of making data available to customers in 24 hours 96% of the time	Data available to customers in 24 hours 98% of the time
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Mission and Business Results	Information and Technology Management	Information Systems Security	IT Security Patch Deployment - Percentage of required security patches deployed to supportable systems	97% of software patches deployed within 14 days of identified security need	Targeted performance improvement is 1%, to 98%	TBD
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Productivity and Efficiency	Efficiency	Improve reliability and timeliness of weather and water INTERNET content to users by mirroring all six web farms	Common observation, warning and forecast content delivered from 6 individual web farms	Provide acces to NWS weather and water INTERNET content seamlessly from Alaska and Pacific regions	NWS services from Alaska and Pacific regions are now available on the NWS web farm
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Information and Data	Data Reliability and Quality	Develop Web Radar Display	Acquire radar from all 121 offices	Database RAdar Imagery	Radar data database operational
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	Standard effective technology deployed for communication of critical warning decision information between WFOs and customers	Leverage state of the art IT communications capabilities to provide enhanced capabilities for communicating information between NWS offices and to NWS customers	Provision web conferencing services for WFOs and RFCs and implement IEMChat servers to allow instant messaging between NWS offices, Emergency Managers and Media partners	
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	Implement Western & Southern Region's Mobile warning Alert Messaging Application (MAMA) to provide warnings/advisories/alerts/USOS messages/graphical forecasts & warnings to NWS management personnel, emergency managers, the media, and general public	State of the art weather decision support to WFO/RFC managers, emergency management customers, and the media	Improved ability to communicate with key local decision makers via Smart phones and other devices	

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	Critical radar coverage gaps filled	Provide improved warning capabilities to local WFOs/RFCs	Fill in critical "radar gaps" from WSR-88Ds with data from TDWR, local media radars, and CASA (gap filler radars)	
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	Enhanced algorithms and computers to process merged observational data sets and assimilate into locally-run short-term models implemented in WR	Advanced algorithms and processing power used to merge observational data sets and assimilate into locally-run short-term models	Upgrade and/or install hardware, software and communications to support project	
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	National Weather Service forecast Office in Cleveland, Ohio (WFO CLE) will develop software, communications, security and hardware requirements for a replacement system	Marine Weather System using modern streamlined programming languages and Internet based interfaces	Improve Great Lakes marine services by upgrading computer to a modern functional environment	
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Effectiveness	User Requirements	Manage an Effective Technology Refresh Program	Technology is replaced at established intervals	User Requirements are met through well managed technology refresh program that effectively matches user requirements to technology and budget	
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Information and Data	Data Reliability and Quality	Increase number of offices using web data collection technologies by 10 percent	Effective and reliable collection of weather, water and climate data via the internet	Commission replacement climate data collection system (WXCoder III) and upgrade Severe Weather Spotter reporting system (Espotter)	
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Effectiveness	User Requirements	Manage an Effective Technology Refresh Program	Technology is replaced at established intervals	User Requirements are met through well managed technology refresh program that effectively matches user requirements to technology and budget	

**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: 10

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? No

a. If "yes," have those weaknesses been incorporated into the agency's plan of action and milestone process? No

6. Indicate whether an increase in IT security funding is requested to remediate IT security weaknesses? No

a. If "yes," specify the amount, provide a general description of the weakness, and explain how the funding request will remediate the weakness.

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
Alaska Tsunami Warning Center	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.
Richard H.Hagemeyer Pacific Tsunami Warning Center	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.
<b>Details for Text Options:</b> 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. NWS Regions and Fields

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)
CL-CPP-OFA Operational Forecasts and Assessmemnts	To produce operational intraseasonal, seasonal, interannual, and decadal climate outlooks (including uncertainties), and credible national and international assessments using models and climate monitoring data sets for the ocean, atmosphere and land. Improve and enhance operational climate products.	Back Office Services	Asset / Materials Management	Computers / Automation Management			No Reuse	0
CL-CPP-OFA Operational Forecasts and Assessments	To produce operational intraseasonal, seasonal, interannual, and decadal climate outlooks (including uncertainties), and credible national and international assessments using models and climate monitoring data sets for the ocean, atmosphere and land. Improve and enhance operational climate products.	Back Office Services	Development and Integration	Data Integration			No Reuse	0
CL-CPP-OFA Operational Forecasts and Assessments	To produce operational intraseasonal, seasonal, interannual, and decadal climate outlooks (including uncertainties), and credible national and international assessments using models and climate	Support Services	Security Management	Access Control			No Reuse	0

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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)
	monitoring data sets for the ocean, atmosphere and land. Improve and enhance operational climate products.							

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%.

FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard
Access Control	Component Framework	Security	Certificates / Digital Signatures
Access Control	Component Framework	Security	Supporting Security Services
Access Control	Service Access and Delivery	Access Channels	Collaboration / Communications
Access Control	Service Access and Delivery	Access Channels	Other Electronic Channels
Access Control	Service Access and Delivery	Access Channels	Web Browser
Access Control	Service Access and Delivery	Delivery Channels	Internet
Access Control	Service Access and Delivery	Service Requirements	Legislative / Compliance
Access Control	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	Supporting Network Services
Access Control	Service Access and Delivery	Service Transport	Supporting Network Services
Access Control	Service Access and Delivery	Service Transport	Supporting Network Services
Data Integration	Service Interface and Integration	Interface	Service Description / Interface
Computers / Automation Management	Service Platform and Infrastructure	Database / Storage	Storage
Computers / Automation Management	Service Platform and Infrastructure	Delivery Servers	Application Servers
Computers / Automation Management	Service Platform and Infrastructure	Delivery Servers	Web Servers
Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices
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)
Access Control	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards
Access Control	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards
Access Control	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards
Access Control	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards
Access Control	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards
Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals
Computers / Automation Management	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)
Computers / Automation Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management

FEA SRM Component (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard
Computers / Automation Management	Service Platform and Infrastructure	Software Engineering	Test Management
Computers / Automation Management	Service Platform and Infrastructure	Support Platforms	Platform Dependent
Computers / Automation Management	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? 10/1/2004
  - 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. 8/30/2007
  - b. If "yes," what were the results?

Network congestion and IT security continued throughout FY07 as major issues, both operationally and fiscally. Services dependent on networks were often severely hampered, especially training offered through distance learning techniques. To address network congestion and single point of failure issues, NWS has decided to consolidate network and web activities throughout the organization to replace the current Frame Relay communications technology with Multilayer Protocol Switching (MPLS). This activity was underway during FY07 and is expected to be completed by FY08. By inherent design, MPLS technology eliminates both network congestion bottlenecks and single points of failure.

Prior to FY08, the "Regions and Field" project provided planning for all IT equipment and service procurements made by the regions and field offices. This includes regional networking, web services, desktop systems and software. Nearly all of the IT expenditures made by the regions and field offices were accounted for in the Regions and Field Exhibit 300. This was changed starting in FY08. Beginning in FY08, "NWS Infrastructure" has been established as a new national IT program and Exhibit 300 this year. This new program and its Exhibit 300 provides investment justification and planning for the new consolidated IT services, which includes NOAA Net, consolidated web services and general purpose desktop computer system hardware and software purchases. Justification for IT expenditures made by regions and field offices will now be split between the "NWS Infrastructure" and the "Regions and Field" Exhibit 300s.

The "Regions and Field" Exhibit 300 has been redefined to provide a high level summary of IT investments made by NWS regions and field offices for Information Technology equipment, telecommunications and services which support unique weather, water and climate service requirements, and which are not provided within national IT programs and services; or which cannot economically be provided via existing national IT programs and services. This includes such diverse and essential IT capabilities as scientific workstations, messaging services, GIS, CAD, video applications and customized applications for business, scientific, engineering or public service. It also includes the tsunami centers in the Alaska and Pacific Regions.

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

Commerce requires annual operational analysis reporting for the operational portion of major IT investments. Major IT investment is defined as Department-wide systems, systems where resources are shared between bureaus and/or the Department, specific IT investments meriting special attention due to their sensitivity, mission criticality, or risk potential, and systems with life cycle operational and maintenance costs over \$25 million. The NWS Regions & Fields investment was not on the list of investments for which reporting is required until calendar year 2006. Thus, reporting has not previously been required. The first operational analysis of the NWS Regions & Fields investment will be submitted February 15, 2007 and will contain data as of the end of calendar year 2006.

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 Contractor and Government

Performance information (Government Only/Contractor  
Only/Both)?

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)
001	FY 2008 Costs	9/30/2008	\$3				
002	FY 2009 Costs	9/30/2009	\$3				