

Exhibit 300: Capital Asset Plan and Business Case Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview (All Capital Assets)

1. Date of Submission:
2. Agency: Department of Commerce
3. Bureau: Noaa (Nws)
4. Name of this Capital Asset: NOAA/NWS/ National Weather Service Telecommunication Gateway (NWSTG) System (Legacy, Replacement, and CIP)
5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.) 006-48-01-12-01-3106-00
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? FY2002
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 NWS Telecommunication Gateway (NWSTG) disseminates (message-switching services) weather observations and guidance data to a national and international community of customers. The Gateway services this customer base in a near-real-time operational environment. This investment will allow NOAA to ensure that the NWSTG reliably meets performance demands and will allow the NWS to maintain operations should the primary NWSTG fail. In terms of performance, this investment has improved the average transit time through the NWSTG for warnings from 1 minute to 10 seconds. In terms of reliability, this investment has provided catastrophic backup capability for the NWSTG with a NWSTG backup system fully operational within 12 hours of primary system failure.
9. Did the Agency's Executive/Investment Committee approve this request? Yes
 - a. If "yes," what was the date of this approval? 12/10/2001
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? 7/30/2008
 - c. What date did the Program/Project Manager receive the FAC-P/PM certification? If the certification has not been issued, what is the anticipated date for certification? 6/30/2009
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

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If "yes," check all that apply:

Budget Performance Integration

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?)

The NWSTG Integrated Project Team works to assess the effectiveness and efficiency of each component of the NWSTG CIP and Legacy Replacement programs and allocate scarce resources accordingly.

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?

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 FFIA compliance area?

1. If "yes," which compliance area:

No

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	8
Software	1
Services	50
Other	41

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)									
<i>(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)</i>									
	PY-1 and earlier	PY 2008	CY 2009	BY 2010	BY+1 2011	BY+2 2012	BY+3 2013	BY+4 and beyond	Total
Planning:	0	0	0	0					
Acquisition:	22.596	0	0	0					
Subtotal Planning & Acquisition:	22.596	0	0	0					
Operations & Maintenance:	53.012	14.306	14.577	14.577					
TOTAL:	75.608	14.306	14.577	14.577					
Government FTE Costs should not be included in the amounts provided above.									
Government FTE Costs	40.986	6.709	6.709	6.709					
Number of FTE represented by Costs:	447	65	65	65					

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:

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 (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)
DG133W07N C0539	T&M	Yes	3/29/2007	3/29/2007	5/31/2008	0.2484	No	Yes	No	NA	No	Yes		lamar.carlson@noaa.gov	Level 2	
DG133W03C T0030 L0001	T&M	Yes	12/1/2006	12/1/2006	5/31/2008	0.2268	No	Yes	Yes	NA	No	Yes		mark.a.miller@noaa.gov	Level 2	
MQ-Series/Messager Broker System Support	Labor Hour	Yes	8/29/2007	8/29/2007	8/31/2009	2.50	No	Yes	No	NA	No	Yes		lamar.carlson@noaa.gov	Level 2	
DG133W04N C0001 Option Year 4	Fixed Cost	Yes	10/1/2007	10/1/2007	9/30/2008	0.60	No	Yes	Yes	NA	No	Yes		lamar.carlson@noaa.gov	Level 2	
Sybase DBA Support Services	Fixed Cost	Yes	6/30/2008	6/30/2008	12/31/2008	0.288	No	Yes	Yes	NA	No	Yes		lamar.carlson@noaa.gov	Level 2	
System Admin & Network Engineering Support	Fixed Cost	Yes	5/30/2008	5/30/2008	12/31/2008	0.60	No	Yes	Yes	NA	No	Yes		lamar.carlson@noaa.gov	Level 2	
Message Broker/Quality Management/Message Flow Support	Fixed Cost	Yes	5/30/2008	5/30/2008	5/31/2009	0.68	No	Yes	Yes	NA	No	Yes		lamar.carlson@noaa.gov	Level 2	
System Administrator Support (Linux)	Fixed	Yes	6/1/2008	6/1/2008	5/31/2009	0.3648	No	Yes	Yes	NA	No	Yes		Mark.A.Miller@noaa.gov	Level 2	
DG133W03C T0030 L0029	T&M	Yes	6/1/2007	6/1/2007	5/31/2008	0.093	No	Yes	Yes	NA	No	Yes		mark.a.miller@noaa.gov	Level 2	
IT Security Support Services	Fixed Cost	Yes	6/1/2008	6/1/2008	5/31/2009	0.2112	No	Yes	Yes	NA	No	Yes		mark.a.miller@noaa.gov	Level 2	
DG133W06B U0064	Fixed Cost	Yes	9/25/2006	9/25/2006	9/24/2009	0.75	No	Yes	Yes	NA	No	Yes		Anita.R.Middletton@noaa.gov	Level 3	

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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)
MQ-Series Software Maintenance Support	Fixed Cost	Yes	10/1/2007		9/30/2009	0.60	No	Yes	Yes	NA	No	Yes		lamar.carlson@noaa.gov	Level 2	
DG133W07N C0936	Fixed Cost	Yes	6/11/2007	6/11/2007	6/10/2008	0.085	No	Yes	No	NA	No	Yes		mark.a.miller@noaa.gov	Level 2	
AIX Software Maintenance Support DG133W07N C1813	Fixed Cost	Yes	9/1/2007	9/1/2007	8/31/2009	0.523	No	No	No	NA	No	Yes		mark.a.miller@noaa.gov	Level 2	
DG133W07N C0608	T&M	Yes	4/12/2007	4/12/2007	5/31/2008	0.6523	No	Yes	No	NA	No	Yes		lamar.carlson@noaa.gov	Level 2	
DG133W07N C0675	T&M	Yes	4/30/2007	4/30/2007	5/31/2008	0.4589	No	Yes	No	NA	No	Yes		lamar.carlson@noaa.gov	Level 2	

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:

All services contracts are labor hour support contracts for O&M and or remedial services that have no measurable deliverables or milestones

3. Do the contracts ensure Section 508 compliance? Yes

a. Explain why not or how this is being done? A large majority of equipment and software in this investment is considered "embedded systems" or "back office". However there are some portions of the acquisitions which must meet 508 compliance standards. All acquisitions are reviewed for 508 compliance requirements and 508 compliance requirements are addressed in every contract or implementation involved in this investment.

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? 5/16/2008

1. Is it Current? Yes

b. If "no," will an acquisition plan be developed?

1. If "no," briefly explain why:

Section D: Performance Information (All Capital Assets)

In order to successfully address this area of the exhibit 300, performance goals must be provided for the agency and be linked to the annual performance plan. The investment must discuss the agency's mission and strategic goals, and performance measures (indicators) must be provided. These goals need to map to the gap in the agency's strategic goals and objectives this investment is designed to fill. They are the internal and external performance benefits this investment is expected to deliver to the agency (e.g., improve efficiency by 60 percent, increase citizen participation by 300 percent a year to achieve an overall citizen participation rate of 75 percent by FY 2xxx, etc.). The goals must be clearly measurable investment outcomes, and if applicable, investment outputs. They do not include the completion date of the module, milestones, or investment, or general goals, such as, significant, better, improved that do not have a quantitative or qualitative measure.

Agencies must use the following table to report performance goals and measures for the major investment and use the Federal Enterprise Architecture (FEA) Performance Reference Model (PRM). Map all Measurement Indicators to the corresponding "Measurement Area" and "Measurement Grouping" identified in the PRM. There should be at least one Measurement Indicator for each of the four different Measurement Areas (for each fiscal year). The PRM is available at www.egov.gov. The table can be extended to include performance measures for years beyond the next President's Budget.

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2004	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Cycle Time and Timeliness	Cycle Time	Transit Time for non-warning messages [Primary System Measures]	3 minutes	1 minute	3 minutes
2004	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Cycle Time and Timeliness	Cycle Time	NWSTG Transit time for warning messages [Primary System Measures]	1 minute	10 seconds	1 minute
2004	3.1 Advance understanding and predict changes in the Earth's environment to	Processes and Activities	Cycle Time and Timeliness	Cycle Time	Transit Time for Model Products [Primary System Measures]	5 Minutes	1 minute	5 minutes

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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
	meet America's economic, social, and environmental needs.							
2005	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	Radar Level 2, HazCollect services	0	100%	40%
2005	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	T-3 access for commercial users	1.544Mbps	45Mbps	45Mbps
2005	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Efficiency	Accessibility	Common network for regions and NWSTG as measured by % of regions with common network access	0	100%	100%
2006	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Service Accessibility	Access	Full customer accessibility to NWSTG via IP network	15%	100%	100%
2006	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	Controls and Oversight	Corrective Action	Effective control of system configuration changes	0%	100%	100%
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	Cycle Time and Timeliness	Cycle Time	NWSTG system throughput in terms of messages per minute during peak periods (based on daily averages)	1500	3000	3000
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	Cycle Time and Timeliness	Timeliness	Transit Time for Model Products [Primary System Measures]	5 Minutes	1 minute	7 seconds
2006	3.1 Advance	Processes and	Cycle Time and	Timeliness	NWSTG Transit	1 minute	10 seconds	7 seconds

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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
	understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Activities	Timeliness		time for warning messages [Primary System Measures]			
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	Efficiency	Improved internal network throughput capacity	100Mbps	1Gbps	1Gbps
2006	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 Storage	Increased Storage Area Network capacity	2TB	5TB	2TB
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	Controls and Oversight	Program Monitoring	Effective control of system configuration changes as measured by implementation of a comprehensive configuration management system that encompasses all NWSTG internal software, hardware, and network components.	0%	100%	100%
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	Internal Risk Management and Mitigation	Contingency Planning	Currency and Accuracy of NWSTG Contingency Plan in terms of updates performed annually	1	2	1
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	Efficiency	Increase bandwidth of the NWSTG access to the IP network to improve product delivery time over wide area network to NWSTG customers	148Mbps	655Mbps	655Mbps
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Reliability and Availability	Availability	full customer accessibility to NWSTG and NWSTG Backup via local access connectivity to IP network	20%	100%	100%
2007	3.1 Advance	Technology	Reliability and	Availability	Effective failover	0%	100%	100%

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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
	understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.		Availability		capability between primary and remote backup			
2007	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Reliability and Availability	Reliability	System reliability as measured by unscheduled downtime per year	99.90%	99.99%	99.90%
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Service Accessibility	Access	Sustained performance while increasing data throughput volume as measured by % increase in daily average message transit times per additional TB of data	5%	0%	0%
2008	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Timeliness and Responsiveness	Response Time	timliness of response to customer service requests as measured by time required to respond to initial customer request for service (non-emergency)	60 minutes	50 minutes	50 minutes
2008	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	Internal Risk Management and Mitigation	Contingency Planning	Currency and Accuracy of NWSTG Contingency Plan	Contingency plan updated annually	Review and update contingency plan on a quarterly basis	The contingency plan was updated in May 2008 to reflect results of COOP testing
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	Reduce the number of servers beyond recommended life cycle	42%	15%	35%
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Timeliness and Responsiveness	Response Time	timliness of response to customer service requests as measured by time required to respond to initial customer request for service (non-emergency)	50 minutes	40 minutes	
2009	3.1 Advance understanding and predict changes in the Earth's environment to	Mission and Business Results	Information and Technology Management	IT Infrastructure Maintenance	IT Infrastructure Library (ITIL) fully implemented	0%	100%	0% (no funding available)

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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
	meet America's economic, social, and environmental needs.							
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Productivity	Efficiency	Sustained performance while increasing data throughput volume	Performance decreases as data throughput volume increases	Although timeliness goals will not increase, throughput capacity increases are designed into the system. Target is to accommodate increases dependent on outside sources of data with no impact on performance.	
2009	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	Reduce the number of servers beyond recommended life cycle to zero	30%	0%	20% (due funding limitations)
2010	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Service Accessibility	Service Availability	Time required to regain 100% functionality after an event	12 hours maximum downtime required to fully implement NWSTG Backup System	0 hours downtime	
2010	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Customer Results	Service Accessibility	Service Availability	% of essential service catalog on the NWSTG Backup System	66%	100%	
2010	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Mission and Business Results	Information and Technology Management	IT Infrastructure Maintenance	ITIL Implementation Starts	0%	33% Implementation	
2010	3.1 Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.	Processes and Activities	Productivity	Efficiency	Sustained performance while increasing data throughput volume	Performance decreases as data throughput volume increases	Although timeliness goals will not increase, throughput capacity increases are designed into the system. Target is to accommodate increases dependent on outside sources of data with no impact on performance.	
2010	3.1 Advance understanding	Technology	Reliability and Availability	Availability	% of hardware redundancy on	0	33%	

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	and predict changes in the Earth's environment to meet America's economic, social, and environmental needs.				the NWSTG Backup System			

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

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. Weather & Water Sequencing Plan

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)
WW-LFW Disseminate Critical Information	LFW disseminates, delivers, and makes available	Support Services	Communication	Computer / Telephony Integration		006-48-02-00-01-0000-00	Internal	15

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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)
	critical environmental information through the NOAA Weather Radio All Hazards Network, satellite dissemination systems, and telecommunications centers.							
WWW_LFW Disseminate Critical Information	LFW disseminates, delivers, and makes available critical environmental information through the NOAA Weather Radio All Hazards Network, satellite dissemination systems, and telecommunications centers.	Support Services	Communication	Event / News Management			No Reuse	10
WW-LFW Disseminate Critical Information	LFW disseminates, delivers, and makes available critical environmental information through the NOAA Weather Radio All Hazards Network, satellite dissemination systems, and telecommunications centers.	Support Services	Security Management	Access Control			No Reuse	10
WW-LFW Disseminate Critical Information	LFW disseminates, delivers, and makes available critical environmental information through the NOAA Weather Radio All Hazards Network, satellite dissemination systems, and telecommunications centers.	Support Services	Security Management	Audit Trail Capture and Analysis			No Reuse	12
WW-LFW Disseminate Critical Information	LFW disseminates, delivers, and makes available critical environmental information through the NOAA Weather Radio All Hazards Network, satellite dissemination systems, and telecommunications centers.	Support Services	Security Management	Digital Signature Management			No Reuse	10

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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)
WW-LFW Disseminate Critical Information	LFW disseminates, delivers, and makes available critical environmental information through the NOAA Weather Radio All Hazards Network, satellite dissemination systems, and telecommunications centers.	Support Services	Security Management	Identification and Authentication			No Reuse	13
WW-LFW Disseminate Critical Information	LFW disseminates, delivers, and makes available critical environmental information through the NOAA Weather Radio All Hazards Network, satellite dissemination systems, and telecommunications centers.	Support Services	Systems Management	License Management			No Reuse	10
WW-LFW Disseminate Critical Information	LFW disseminates, delivers, and makes available critical environmental information through the NOAA Weather Radio All Hazards Network, satellite dissemination systems, and telecommunications centers.	Support Services	Systems Management	Remote Systems Control			No Reuse	10
WW-LFW Disseminate Critical Information	LFW disseminates, delivers, and makes available critical environmental information through the NOAA Weather Radio All Hazards Network, satellite dissemination systems, and telecommunications centers.	Support Services	Systems Management	System Resource Monitoring		006-48-02-00-01-0000-00	Internal	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 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.

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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)
Computer / Telephony Integration	Component Framework	Business Logic	Platform Independent Technologies	C,C++
Computer / Telephony Integration	Component Framework	Business Logic	Platform Independent Technologies	JavaScript
Computer / Telephony Integration	Component Framework	Data Management	Database Connectivity	Java Database Connectivity (JDBC)
Computer / Telephony Integration	Component Framework	Data Management	Database Connectivity	Open Database Connectivity (ODBC)
Digital Signature Management	Component Framework	Security	Certificates / Digital Signatures	Digital Certificate Authentication
Digital Signature Management	Component Framework	Security	Certificates / Digital Signatures	Secure Sockets Layer (SSL)
Access Control	Component Framework	Security	Supporting Security Services	Secure Shell (SSH)
Computer / Telephony Integration	Component Framework	User Presentation / Interface	Content Rendering	Cascading Style Sheets (CSS)
Computer / Telephony Integration	Component Framework	User Presentation / Interface	Content Rendering	Hyper Text Markup Language (HTML)
Remote Systems Control	Component Framework	User Presentation / Interface	Content Rendering	keyboard-mouse-video (KVM)
Computer / Telephony Integration	Service Access and Delivery	Access Channels	Other Electronic Channels	System to System
Computer / Telephony Integration	Service Access and Delivery	Access Channels	Other Electronic Channels	Uniform Resource Locator (URL)
Computer / Telephony Integration	Service Access and Delivery	Access Channels	Other Electronic Channels	Web Service
Computer / Telephony Integration	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Computer / Telephony Integration	Service Access and Delivery	Access Channels	Web Browser	Netscape Communicator
Event / News Management	Service Access and Delivery	Delivery Channels	Internet	Web Service
Computer / Telephony Integration	Service Access and Delivery	Service Requirements	Hosting	Internal (within Agency)
System Resource Monitoring	Service Access and Delivery	Service Requirements	Legislative / Compliance	Section 508
System Resource Monitoring	Service Access and Delivery	Service Requirements	Legislative / Compliance	Security
System Resource Monitoring	Service Access and Delivery	Service Requirements	Legislative / Compliance	Web Content Accessibility
Computer / Telephony Integration	Service Access and Delivery	Service Transport	Service Transport	Hyper Text Transfer Protocol (HTTP)
Computer / Telephony Integration	Service Access and Delivery	Service Transport	Service Transport	Hyper Text Transfer Protocol Secure (HTTPS)
Computer / Telephony Integration	Service Access and Delivery	Service Transport	Service Transport	Internet Protocol (IP)
Computer / Telephony Integration	Service Access and Delivery	Service Transport	Service Transport	Transport Control Protocol (TCP)
Computer / Telephony Integration	Service Interface and Integration	Integration	Middleware	Message-Oriented Middleware (MOM): IBM Websphere MQ
Computer / Telephony Integration	Service Interface and Integration	Integration	Middleware	Remote Procedure Call (RPC)
Computer / Telephony Integration	Service Platform and Infrastructure	Database / Storage	Database	Sybase
Computer / Telephony Integration	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	Hard Disk Drive
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	Hard Disk Drive
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	Microprocessor
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	Random Access Memory (RAM)
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	Redundant Array of Independent Disks (RAID)
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Identification and Authentication	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Firewall
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Hub

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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)
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Integrated Services Digital Network (ISDN)
Audit Trail Capture and Analysis	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	network access module
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Network Interface card
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Switch
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	T1/T3
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	Printer
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	Scanner
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	application servers
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Enterprise Server
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Mainframe
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)	Asynchronous Transfer Mode (ATM)
Computer / Telephony Integration	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)	Frame Relay
System Resource Monitoring	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Change Management
System Resource Monitoring	Service Platform and Infrastructure	Software Engineering	Test Management	Configuration Testing
System Resource Monitoring	Service Platform and Infrastructure	Software Engineering	Test Management	Functional Testing
System Resource Monitoring	Service Platform and Infrastructure	Software Engineering	Test Management	Installation Testing
License Management	Service Platform and Infrastructure	Support Platforms	Independent Platform	version control system

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? 8/27/2008
 - b. Has the Risk Management Plan been significantly changed since last year's submission to OMB? No
 - c. If "yes," describe any significant changes:

- 2. If there currently is no plan, will a plan be developed?
 - a. If "yes," what is the planned completion date?
 - b. If "no," what is the strategy for managing the risks?

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. 1/4/2008
 - b. If "yes," what were the results?

The NWSTG Operational Analysis (OA) for the calendar year 2007 reported the ongoing improved performance of the NWSTG Legacy Replacement System and the successful limited failover testing of the NWSTG Backup System. Specifically, the OA reported that all NWSTG Performance Goals had been either met or exceeded as of December 31, 2007. The OA acknowledged that more metric gathering tools were required to provide comprehensive performance monitoring and analysis and that additional disk space was required to facilitate historical trend analysis. The NWSTG 2007 Operational Analysis is available in the Resource Library.

- 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

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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)
01	NWSTG Legacy System	1/29/2006	\$31.008000	6/20/2006	\$34.772000	-142	-\$3.764000
01.01	Legacy FY02	9/30/2002	\$7.200000	9/30/2002	\$7.200000	0	\$0.000000
01.01.01	General Operations	9/30/2002	\$1.800000	9/30/2002	\$1.800000	0	\$0.000000
01.01.02	Telecommunications	9/30/2002	\$5.400000	9/30/2002	\$5.400000	0	\$0.000000
02.01	Legacy FY03	9/30/2003	\$7.200000	9/30/2003	\$7.200000	0	\$0.000000
02.01.01	General Operations	9/30/2003	\$2.000000	9/30/2003	\$2.000000	0	\$0.000000
02.01.02	Telecommunications	9/30/2003	\$5.200000	9/30/2003	\$5.200000	0	\$0.000000
03.01	Legacy FY04	9/30/2004	\$7.308000	9/30/2004	\$7.308000	0	\$0.000000
03.01.01	General Operations	9/30/2004	\$2.250000	9/30/2004	\$2.250000	0	\$0.000000
03.01.02	Telecommunications	9/30/2004	\$5.058000	9/30/2004	\$5.058000	0	\$0.000000
04.01	Legacy FY05	9/30/2005	\$7.418000	9/30/2005	\$7.418000	0	\$0.000000
04.01.01	General Operations	9/30/2005	\$2.297000	9/30/2005	\$2.297000	0	\$0.000000
04.01.02	Telecommunications	9/30/2005	\$5.121000	9/30/2005	\$5.121000	0	\$0.000000
05.01	Legacy FY06	1/29/2006	\$1.882000	6/20/2006	\$5.646000	-142	-\$3.764000
05.01.01	General Operations	1/29/2006	\$0.574000	6/20/2006	\$1.722000	-142	-\$1.148000
05.05.02	Telecommunications	1/29/2006	\$1.308000	6/20/2006	\$3.924000	-142	-\$2.616000
02.01	FY07 CIP O&M	9/30/2007	\$5.026000	9/30/2007	\$5.026000	0	\$0.000000
02.01.01	General Ops	9/30/2007	\$1.426000	9/30/2007	\$4.096680	0	-\$2.670680
02.01.02	Telecommunications	9/30/2007	\$3.600000	9/30/2007	\$0.929320	0	\$2.670680
02.02	FY08 CIP O&M	9/30/2008	\$5.542000	6/30/2008	\$3.548000	92	\$1.994000
02.02.01	General Ops	9/30/2008	\$1.942000	6/30/2008	\$1.748000	92	\$0.194000
02.02.02	Telecommunications	9/30/2008	\$3.600000	6/30/2008	\$1.800000	92	\$1.800000
02.03	FY09 CIP O&M	9/30/2009	\$5.542000				

Exhibit 300: NOAA/NWS/ National Weather Service Telecommunication Gateway (NWSTG) System (Legacy, Replacement, and CIP) (Revision 19)

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)
02.03.01	General Ops	9/30/2009	\$1.942000				
02.03.02	Telecommunications	9/30/2009	\$3.600000				
02.04	FY10 CIP O&M	9/30/2010	\$5.542000				
02.04.01	General Ops	9/30/2010	\$1.942000				
02.04.02	Telecommunications	9/30/2010	\$3.600000				
03.01	FY06 O&M	9/30/2006	\$5.646000	9/30/2007	\$1.882000	-365	\$3.764000
03.01.01	General Operations	9/30/2006	\$1.722000	9/30/2006	\$0.574000	0	\$1.148000
03.01.02	Telecommunications	9/30/2006	\$3.924000	9/30/2007	\$1.308000	-365	\$2.616000
03.06	FY07 O&M	9/30/2007	\$7.642000	9/30/2007	\$7.642000	0	\$0.000000
03.06.01	General Operations	9/30/2007	\$2.297000	9/30/2007	\$2.342000	0	-\$0.045000
03.06.02	Telecommunications	9/30/2007	\$5.345000	9/30/2007	\$5.300000	0	\$0.045000
03.07	FY08 O&M	9/30/2008	\$7.757000	6/30/2008	\$5.336000	92	\$2.421000
03.07.01	General Operations	9/30/2008	\$2.297000	6/30/2008	\$2.060000	92	\$0.237000
03.07.02	Telecommunications	9/30/2008	\$5.460000	6/30/2008	\$3.276000	92	\$2.184000
03.08	FY09 O&M	9/30/2009	\$7.873000				
03.08.01	General Operations	9/30/2009	\$2.297000				
03.08.02	Telecommunications	9/30/2009	\$5.576000				
03.09	FY10 O&M	9/30/2010	\$7.991000				
03.09.01	General Operations	9/30/2010	\$2.435000				
03.09.02	Telecommunications	9/30/2010	\$5.556000				
03.01	NWSTG Legacy Replacement Technical Refresh						
03.01.01	FY06 Tech Refresh	9/30/2006	\$0.495000	9/30/2006	\$0.448000	0	\$0.047000

Exhibit 300: NOAA/NWS/ National Weather Service Telecommunication Gateway (NWSTG) System (Legacy, Replacement, and CIP) (Revision 19)

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)
03.01.02	FY07 Tech Refresh	9/30/2007	\$0.495000	9/30/2007	\$0.479800	0	\$0.015200
03.01.03	FY08 Tech Refresh	9/30/2008	\$1.195000	6/30/2008	\$1.150000	92	\$0.045000
03.01.04	FY09 Tech Refresh	9/30/2009	\$1.195000				
03.01.05	FY10 Tech Refresh	9/30/2010	\$1.195000				