

Business Case: Capital Asset Summary

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

Section A: Overview & General Information

Date Investment First Submitted: 2015-11-10
Date of Last Change to Activities: 2021-06-30
Investment Auto Submission Date:
Date of Last Investment Detail Update: 2021-04-27
Date of Last Business Case Update: 2021-04-27
Date of Last Revision: 2021-06-30

Agency: 006 - Department of Commerce **Bureau:** 48 - National Oceanic and Atmospheric Administration

1. Name of this Investment: NOAA/NWS/ Dissemination

2. Unique Investment Identifier (Ull): 006-000312900

Section B: Investment Detail

- Provide at least one Agency Strategic objective code ([A-11 Section 230](#)) and/or Agency Priority Goal code ([A-11 Section 250](#)) that this investment aligns to on performance.gov. If this investment aligns to more than one Agency strategic objective code and/or Agency Priority goal code list all that apply. If your agency does not report to performance.gov please use "0". This is required for Agency IT Portfolio Summary Part 1 and Part 2 Investments, not for Part 3 Investments.**

Agency Strategic Objective(s):

006SO18031: Reduce Extreme Weather Impacts

Agency Priority Goal(s):

- Briefly describe the investment's return on investment, including benefits internal and external to the government and outcomes achieved or planned.**

The Integrated Dissemination Program (IDP) is a matrixed program that interacts and works closely with other NOAA programs and projects. As such IDP contributes to the benefits of other NOAA programs and projects such as the GOES-R program and the Next Generation Air Transportation System program. Dissemination is absolutely critical for the dissemination of National Weather Service (NWS) weather, water, and climate data and information to the public to support sector-relevant economic productivity and to help communities, businesses, and governments understand and adapt to weather and climate-related risks operating 24/7, 365 days a year. According to the American Meteorological Bulletin article entitled "300 Billion Served: Sources, Perceptions, Uses, and Values of Weather Forecasts"*, the American public collectively receives \$31.5 billion in benefits from weather services each year. This \$31.5 billion includes both NWS and private sector contributions. Below are the estimated return on investment (ROI) for FY14 - FY16: Return on Investment in FY2014 was 334%; Return on Investment in

FY2015 was 346%; Return on Investment in FY2016 was 464%.

3. If this investment will result in the elimination or the reduction of another major or non-major investment(s), please complete the following:

Table I.B.1 Affected Investment Information	
Investment UII	To Be Status
006-000312500	to be reduced
006-000312600	to be reduced
006-000310600	to be reduced

4. Does the Investment currently include an intra- or inter-Agency shared service (common, shared, or centralized solution)?:

YES

5. Does the Investment plan to include an Intra- or Inter-Agency shared service that it does not currently include (common, shared, or centralized solution)?:

NO

6. If systems contained in this Investment collect data from the public, please identify the OMB Control Numbers which authorize that data collection as per the Paperwork Reduction Act. Use [Reginfo](#) at the following link to identify information collection requests and OMB control numbers. Agencies can work with their Records Officers to determine the applicability.

7. Provide the name of the Investment-level project manager:

Michelle Mainelli

8. Select the qualification/experience level of the Investment-level project manager (select one):

1 - FAC-P/PM(DAWIA-3)- Senior

Section C: Life Cycle Costs

1. Provide the total estimated life cycle costs for the investment in millions. Note: Do not enter information in the grey cells as these will be calculated.

Table I.C.1 Life Cycle Costs				
	PY-1 & Prior	PY 2021	CY 2022	BY 2023
Planning Costs:	0	0	0	0
DME (Excluding Planning) Costs:	\$34.383000	\$9.198540	\$8.466000	\$7.551000
DME (Including Planning) Govt. FTEs:	\$0.560000	0	0	0
Sub-Total DME (including Internal Labor (Govt. FTE)):	\$34.943000	\$9.198540	\$8.466000	\$7.551000
O & M Costs:	\$38.256000	\$44.180000	\$45.910000	\$45.910000
O & M Internal Labor (Govt. FTE):	\$11.872000	\$9.891000	\$11.443000	\$11.443000
Sub-Total O & M Costs (Including Internal Labor (Govt. FTE)):	\$50.128000	\$54.071000	\$57.353000	\$57.353000
Total Cost (Including Internal Labor (Govt. FTE)):	\$85.071000	\$63.269540	\$65.819000	\$64.904000
Total Cost Internal Labor (Govt. FTE) costs:	\$12.432000	\$9.891000	\$11.443000	\$11.443000
# of FTE rep by costs:	78	78	78	78
Total change from prior year final President's Budget (\$)		\$63.269540	\$65.819000	
Total change from prior year final President's Budget		0.00%	0.00%	

Table I.C.1 Life Cycle Costs

	PY-1 & Prior	PY 2021	CY 2022	BY 2023
(%)				

2.
 - a. In which year did or will this investment begin? (specify year - e.g., PY-1= 2019)
2014
 - b. In which year will this investment reach the end of its estimated useful life? (specify year - e.g., FY+5 = 2027)
2024
3. Compare the funding levels for PY and CY to the final FY 2022 President's Budget for those same years. Briefly explain any significant changes. When making comparisons, ensure that you compare same-year-to-same-year (e.g., the FY20 level for 2020 versus the FY21 level for 2020):
No significant changes for any of the children investments.

Business Case Detail: Performance Measurement Report

Section A1: General Information

1. **Name of this Investment:** NOAA/NWS/ DISSEMINATION
2. **Unique Investment Identifier (UII):** 006-000312900

Section C1: Projects Table

Projects Table C.1

Unique Project ID	Project Name	Project Goal	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)	Software Project?
3120D19001	FY19 NOAA Weather Radio (DME)	NWR Upgrades (H/W refresh for generators, antennas, test equipment, engineering and development contract support, TCP-IP technology)	10/01/2018	09/30/2019	\$1.7	No
3120M19002	FY19 Weather Information Distribution Services (O&M)	Maintain 96% NWR Transmitter Availability (DIS Labor, NWR Telecom, Regional NWR Support for circuits/leases, NWR National Maintenance, Licensing).	10/01/2018	09/30/2019	\$18.3	No
3125D19001	FY19 Ground Readiness (Terrestrial)	GOES-R (GOES-16) Ground Readiness Upgrades and Operations/Maintenance support for OneNWS Network and GOES-16 Rebroadcast (GRB) Antennas and Product Generation).	10/01/2018	09/30/2019	\$22.2	No
3125D19002	FY19 NWSTG (Dissemination IT Infrastructure)	NWS Telecommunications Gateway (NWSTG) Re-architecture providing enhancements to critical NWSTG applications on IDP and infrastructure refresh.	10/01/2018	09/30/2019	\$7.0	No
3125M19003	FY19 IDP - Dissemination Infrastructure and Virtualized Application Services (O&M)	Maintain IDP Infrastructure and Virtualized Application Services (100% backup for hosted applications - including NextGen, DIS/NCO Labor, IDP-Boulder Rent, H/W maintenance, S/W maintenance, operational contractor support).	10/01/2018	09/30/2019	\$19.1	No
3125M19004	FY19 Terrestrial and Satellite Network Services (O&M)	Maintain DIS Networks (Legacy OPSNet, DIS/NCO Labor, Misc Comms, VSAT, GRB Antenna Maintenance/Harris ECP3).	10/01/2018	09/30/2019	\$6.6	No
3120M19003	FY19 Hurricane Supplemental-	NWR Hurricane supplemental	05/01/2019	09/30/2019	\$0.1	No

Projects Table C.1

Unique Project ID	Project Name	Project Goal	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)	Software Project?
	NWR	funding for travel, hardware, and generator.				
3125D19006	Hurricane Supplemental-GIS National Viewer	Funding to support the GIS National Viewer effort.	05/21/2019	09/30/2021	\$2.4	No
3125M19005	FY19 Assessments - Management and Administrative	FY19 M&A costs include multiple support functions and are a fundamental and necessary components of the full costs to complete NWS mission and objectives.	10/01/2018	09/30/2019	\$9.8	No
3120D20001	FY20 NOAA Weather Radio (DME)	NWR Upgrades and Support of TCP-IP Technology.	10/01/2019	09/30/2020	\$6.3	No
3120M20001	FY20 WEB-GIS	Support GIS and Web Upgrades and Enhancements.	10/01/2019	09/30/2020	\$2.5	No
3125D20001	FY20 WCCIS - IDP	Support Dissemination Infrastructure and Improve Dissemination Reliability.	10/01/2019	09/30/2020	\$25.9	No
3125M20001	FY20 Network	Support Dissemination Network and Improve Dissemination Network Reliability.	10/01/2019	09/30/2020	\$27.8	No
3125M20002	FY20 Assessments - Management and Administrative	FY20 M&A costs include multiple support functions and are a fundamental and necessary components of the full costs to complete NWS mission and objectives.	10/01/2019	09/30/2020	\$11.2	No
3120M20002	FY21 WEB/GIS	Support GIS and Web Upgrades and Enhancements.	10/01/2020	09/30/2021	\$3.7	No
3125M20003	FY21 Network	Support Dissemination network and improve dissemination network reliability.	10/01/2020	09/30/2021	\$24.7	No
3125D20002	FY21 WCCIS-IDP	Support Dissemination Infrastructure and Improve Dissemination Reliability.	10/01/2020	09/30/2021	\$28.2	No
3120D20002	FY21 NOAA Weather Radio (NWR)	NWR upgrades and support of TCP-IP technology.	10/01/2020	09/30/2021	\$6.2	No

Section C2: Project Activities

1. Provide all non-agile project activities for projects in Table C.1 that started in a previous FY (PY and earlier) and that have not been completed by the beginning of the CY, as well as activities that are scheduled to start in the current FY and BY.

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
3120D19001	1st Half - FY19 NOAA Weather Radio (DME)	NWR Upgrades (H/W refresh for generators, antennas, test equipment, engineering and development contract support, TCP-IP technology)	3120D19001.1.1	2018-10-01	2018-10-01	2018-10-01	2019-03-31	2019-03-31	2019-03-31	0.535000	0.535000	0.530492
3120M19002	1st Half - FY19 Weather Information Distribution Services (O&M)	Maintain 96% NWR Transmitter Availability (DIS Labor, NWR Telecom, Regional NWR Support for circuits/leases, NWR National Maintenance, Licensing)	3120M19002.1.1	2018-10-01	2018-10-01	2018-10-01	2019-03-31	2019-03-31	2019-03-31	6.636138	6.636138	6.412773
3125D19001	1st Half - FY19 IDP - Ground Readiness Project (DME)	GOES-R (GOES-16) Ground Readiness Upgrades and Operations/Maintenance support for OneNWS Network and GOES-16	3125D19001.1.1	2018-10-01	2018-10-01	2018-10-01	2019-03-31	2019-03-31	2019-03-31	8.107442	8.107442	7.873184

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
		Rebroadcast (GRB) Antennas and Product Generation)										
3125D19002	1st Half - FY19 IDP - Dissemination IT Infrastructure (DME)	NWS Telecom munications Gateway (NWSTG) Re-architecture providing enhancements to critical NWSTG applications on IDP and infrastructure refresh.	3125D19002.1.1	2018-10-01	2018-10-01	2018-12-03	2019-03-31	2019-03-31	2019-03-31	0.250000	0.250000	0.248253
3125M19003	1st Half - FY19 IDP - Dissemination Infrastructure and Virtualized Application Services (O&M)	Maintain IDP Infrastructure and Virtualized Application Services (100% backup for hosted applications - including NextGen, DIS/NCO Labor, IDP-Boulder Rent, H/W maintenance, S/W maintenance, operational contractor support)	3125M19003.1.1	2018-10-01	2018-10-01	2018-10-01	2019-03-31	2019-03-31	2019-03-31	8.336316	8.336316	8.239440
3125M19004	1st Half - FY19 Terrestrial and Satellite Network Services	Maintain DIS Networks (Legacy OPSNet, DIS/NCO	3125M19004.1.1	2018-10-01	2018-10-01	2018-10-01	2019-03-31	2019-03-31	2019-03-31	1.632057	1.632057	1.625033

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
	(O&M)	Labor, Misc Comms, VSAT, GRB Antenna Maintenance/Harris ECP3)										
3125M19005	FY19 Assessments - (PAC) Management and Administrative	FY19 M&A costs include multiple support functions and are a fundamental and necessary component of the full costs to complete DIS mission and objectives.	3125M19005.1	2019-02-01	2019-02-01	2019-03-15	2019-03-31	2019-03-31	2019-03-31	3.733608	3.733608	3.733608
3125M19005	FY19 Assessments - (O&M) Management and Administrative	FY19 M&A costs include multiple support functions and are a fundamental and necessary component of the full costs to complete DIS mission and objectives.	3125M19005.2	2019-02-01	2019-02-01	2019-03-15	2019-03-31	2019-03-31	2019-03-31	6.054575	6.054575	6.054575
3120D19001	FY19 NOAA Weather Radio (DME)	NWR Upgrades (H/W refresh for generators, antennas, test equipment, engineering and development contract support, TCP-IP technology)	3120D19001.1	2018-10-01	2018-10-01	2018-10-01	2019-09-30	2019-09-30	2019-09-30	1.689463	1.638870	1.634362

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
3120D19001	2nd Half - FY19 NOAA Weather Radio (DME)	NWR Upgrades (H/W refresh for generators, antennas, test equipment, engineering and development contract support, TCP-IP technology)	3120D19001.1.2	2019-04-01	2019-04-01	2019-04-01	2019-09-30	2019-09-30	2019-09-30	1.154463	1.103870	1.103870
3120M19002	FY19 Weather Information Distribution Services (O&M)	Maintain 96% NWR Transmitter Availability (DIS Labor, NWR Telecom, Regional NWR Support for circuits/leases, NWR National Maintenance, Licensing)	3120M19002.1	2018-10-01	2018-10-01	2018-10-01	2019-09-30	2019-09-30	2019-09-30	18.299264	16.175302	15.951937
3120M19002	2nd Half - FY19 Weather Information Distribution Services (O&M)	Maintain 96% NWR Transmitter Availability (DIS Labor, NWR Telecom, Regional NWR Support for circuits/leases, NWR National Maintenance, Licensing)	3120M19002.1.2	2019-04-01	2019-04-01	2019-04-01	2019-09-30	2019-09-30	2019-09-30	11.663126	9.539164	9.539164
3125D19001	FY19 IDP - Ground Readiness Project (DME)	GOES-R (GOES-16) Ground Readiness Upgrades and Operations/Mai	3125D19001.1	2018-10-01	2018-10-01	2018-10-01	2019-09-30	2019-09-30	2019-09-30	22.245929	22.012812	21.853081

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
		aintenance support for OneNWS Network and GOES-16 Rebroadcast (GRB) Antennas and Product Generation)										
3125D19001	2nd Half - FY19 IDP - Ground Readiness Project (DME)	GOES-R (GOES-16) Ground Readiness Upgrades and Operations/Maintenance support for OneNWS Network and GOES-16 Rebroadcast (GRB) Antennas and Product Generation)	3125D19001.1.2	2019-04-01	2019-04-01	2019-04-01	2019-09-30	2019-09-30	2019-09-30	14.138487	13.905370	13.979897
3125D19002	FY19 IDP - Dissemination IT Infrastructure (DME)	NWS Telecom munications Gateway (NWSTG) Re-architecture providing enhancements to critical NWSTG applications on IDP and infrastructure refresh.	3125D19002.1	2018-10-01	2018-10-01	2018-12-03	2019-09-30	2019-09-30	2019-09-30	6.950000	6.011832	6.010085
3125D19002	2nd Half - FY19 IDP - Dissemination IT	NWS Telecom munications Gateway (NWSTG) Re-	3125D19002.1.2	2019-04-01	2019-04-01	2019-04-01	2019-09-30	2019-09-30	2019-09-30	6.700000	5.761832	5.761832

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
	Infrastructure (DME)	architecture providing enhancements to critical NWSTG applications on IDP and infrastructure refresh.										
3125M19003	FY19 IDP - Dissemination Infrastructure and Virtualized Application Services (O&M)	Maintain IDP Infrastructure and Virtualized Application Services (100% backup for hosted applications - including NextGen, DIS/NCO Labor, IDP-Boulder Rent, H/W maintenance, S/W maintenance, operational contractor support)	3125M19003.1	2018-10-01	2018-10-01	2018-10-01	2019-09-30	2019-09-30	2019-09-30	19.097441	18.375740	18.278864
3125M19003	2nd Half - FY19 IDP - Dissemination Infrastructure and Virtualized Application Services (O&M)	Maintain IDP Infrastructure and Virtualized Application Services (100% backup for hosted applications - including NextGen, DIS/NCO Labor, IDP-Boulder Rent, H/W	3125M19003.1 .2	2019-04-01	2019-04-01	2019-04-01	2019-09-30	2019-09-30	2019-09-30	10.761125	10.039424	10.039424

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
		maintenance, S/W maintenance, operational contractor support)										
3125M19004	FY19 Terrestrial and Satellite Network Services (O&M)	Maintain DIS Networks (Legacy OPSNet, DIS/NCO Labor, Misc Comms, VSAT, GRB Antenna Maintenance/Harris ECP3)	3125M19004.1	2018-10-01	2018-10-01	2018-10-01	2019-09-30	2019-09-30	2019-09-30	6.576720	5.665027	5.658003
3125M19004	2nd Half - FY19 Terrestrial and Satellite Network Services (O&M)	Maintain DIS Networks (Legacy OPSNet, DIS/NCO Labor, Misc Comms, VSAT, GRB Antenna Maintenance/Harris ECP3)	3125M19004.1 .2	2019-04-01	2019-04-01	2019-04-01	2019-09-30	2019-09-30	2019-09-30	4.944663	4.032970	4.032970
3120M19003	FY19-NWR	Hurricane supplemental funding for travel, hardware, and generator	3120M19003.1	2019-05-01	2019-05-01	2019-05-01	2019-09-30	2019-09-30	2019-09-30	0.100000	0.009787	0.009787
3125D19006	FY19-GIS National Viewer	To improve public access and user experience and Decision Support Services (DSS) in States and localities that span multiple	3125D19006.1	2019-05-21	2019-05-21	2019-05-21	2019-09-30	2019-09-30	2019-09-30	0.323932	0.304346	0.164583

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
		County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.										
3120D20001	1st Half - FY2020 NOAA Weather Radio (NWR)	NWR Upgrades and Support of TCP-IP Technology.	3120D20001.1.1	2019-10-01	2019-10-01	2019-10-01	2020-03-31	2020-03-31	2020-03-31	1.941583	1.941583	1.941583
3120M20001	1st Half - FY2020 WEB/GIS	Support GIS and Web Upgrades and Enhancements	3120M20001.1.1	2019-10-01	2019-10-01	2019-10-01	2020-03-31	2020-03-31	2020-03-31	0.587375	0.587375	0.587375
3125D20001	1st Half - FY2020 WCCIS - IDP	Provide Support of Dissemination Infrastructure and Improve Dissemination Reliability for 1st Half of FY20.	3125D20001.1.1	2019-10-01	2019-10-01	2019-10-01	2020-03-31	2020-03-31	2020-03-31	7.635463	7.649225	7.649255
3125M20001	1st Half - FY2020 Network	Support Dissemination Network and Improve Dissemination Network Reliability for 1st Half of FY20.	3125M20001.1.1	2019-10-01	2019-10-01	2019-10-01	2020-03-31	2020-03-31	2020-03-31	10.370802	10.370802	10.305992
3125M20002	FY2020 Assessments - Management and	FY20 M&A costs include multiple support	3125M20002.1	2020-02-01	2020-02-01	2020-02-01	2020-03-31	2020-03-31	2020-03-31	11.168259	11.168259	11.168259

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
	Administrative	functions and are a fundamental and necessary component of the full costs to complete DIS mission and objectives.										
3125M20002	FY2020 Assessments - (PAC) Management and Administrative	FY20 M&A costs include multiple support functions and are a fundamental and necessary component of the full costs to complete DIS mission and objectives.	3125M20002.1 .1	2020-02-01	2020-02-01	2020-02-01	2020-03-31	2020-03-31	2020-03-31	1.579530	1.579530	1.579530
3125M20002	FY2020 Assessments - (O&M) Management and Administrative	FY20 M&A costs include multiple support functions and are a fundamental and necessary component of the full costs to complete DIS mission and objectives.	3125M20002.1 .2	2020-02-01	2020-02-01	2020-02-01	2020-03-31	2020-03-31	2020-03-31	9.588729	9.588729	9.588729
3125D19006	1st Half - FY2020 GIS National Viewer	To improve public access and user experience and Decision Support Services (DSS) in States and	3125D19006.2.1	2019-10-01	2019-10-01	2019-10-01	2020-03-31	2020-03-31	2020-03-31	0.309071	0.309071	0.309071

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
		localities that span multiple County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.										
3120D20001	FY2020 NOAA Weather Radio (NWR)	NWR Upgrades and Support of TCP-IP Technology.	3120D20001.1	2019-10-01	2019-10-01	2019-10-01	2020-09-30	2020-09-30	2020-09-30	6.277716	6.379917	5.609544
3120D20001	2nd Half - FY2020 NOAA Weather Radio (NWR)	NWR Upgrades and Support of TCP-IP Technology.	3120D20001.1.2	2020-04-01	2020-04-01	2020-04-01	2020-09-30	2020-09-30	2020-09-30	4.336133	4.438334	3.667961
3120M20001	FY2020 WEB/GIS	Support GIS and Web Upgrades and Enhancements	3120M20001.1	2019-10-01	2019-10-01	2019-10-01	2020-09-30	2020-09-30	2020-09-30	2.454375	2.939303	2.630800
3120M20001	2nd Half - FY2020 WEB/GIS	Support GIS and Web Upgrades and Enhancements	3120M20001.1.2	2020-04-01	2020-04-01	2020-04-01	2020-09-30	2020-09-30	2020-09-30	1.867000	2.351928	2.043425
3125D20001	FY2020 WCCIS - IDP	Support Dissemination Infrastructure and Improve Dissemination Reliability.	3125D20001.1	2019-10-01	2019-10-01	2019-10-01	2020-09-30	2020-09-30	2020-09-30	25.850312	25.094825	25.094855
3125D20001	2nd Half - FY2020 WCCIS - IDP	Provide Support of Dissemination Infrastructure	3125D20001.1.2	2020-04-01	2020-04-01	2020-04-01	2020-09-30	2020-09-30	2020-09-30	18.214849	17.445600	17.445600

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
		and Improve Dissemination Reliability for 2nd Half of FY20.										
3125M20001	FY2020 Network	Support Dissemination Network and Improve Dissemination Network Reliability.	3125M20001.1	2019-10-01	2019-10-01	2019-10-01	2020-09-30	2020-09-30	2020-09-30	27.842308	25.160607	25.095797
3125M20001	2nd Half - FY2020 Network	Support Dissemination Network and Improve Dissemination Network Reliability for 2nd Half of FY20.	3125M20001.1 .2	2020-04-01	2020-04-01	2020-04-01	2020-09-30	2020-09-30	2020-09-30	17.471506	14.789805	14.789805
3125D19006	FY2020 GIS National Viewer	Improve public access and user experience and Decision Support Services (DSS) in States and localities that span multiple County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.	3125D19006.2	2019-10-01	2019-10-01	2019-10-01	2020-09-30	2020-09-30	2020-09-30	0.844236	0.815342	0.813598

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
3125D19006	2nd Half - FY2020 GIS National Viewer	To improve public access and user experience and Decision Support Services (DSS) in States and localities that span multiple County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.	3125D19006.2.2	2020-04-01	2020-04-01	2020-04-01	2020-09-30	2020-09-30	2020-09-30	0.535165	0.506271	0.504527
3120M20002	1st Half - FY21 WEB/GIS	Support GIS and Web Upgrades and Enhancements	3120M20002.1.1	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-03-31		0.777820	0.777820	
3125M20003	1st Half - FY21 Network	Support Dissemination Network and Improve Dissemination Network Reliability for 1st Half of FY21.	3125M20003.1.1	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-03-31		8.287430	8.287430	
3125D20002	1st Half - FY2021 WCCIS - IDP	Provide Support of Dissemination Infrastructure and Improve Dissemination Reliability for 1st Half of	3125D20002.1.1	2020-10-01	2020-11-02	2020-10-01	2021-03-31	2021-03-31		12.078610	12.078610	

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
FY21.												
3120D20002	1st Half - FY21 NOAA Weather Radio	NWR Upgrades and Support of TCP-IP Technology.	3120D20002.1.1	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-03-31		2.754390	2.754390	
3125D19006	1st Half - FY21 GIS National Viewer	To improve public access and user experience and Decision Support Services (DSS) in States and localities that span multiple County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.	3125D19006.3.1	2020-10-01	2020-10-01	2020-10-01	2021-03-31	2021-03-30		0.579260	0.579260	
3120M20002	FY21 WEB/GIS	Support GIS and Web Upgrades and Enhancements	3120M20002.1	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30		3.682950	3.682950	
3120M20002	2nd Half - FY21 WEB/GIS	Support GIS and Web Upgrades and Enhancements	3120M20002.1.2	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30		2.905130	2.905130	
3125M20003	FY21 Network	Support Dissemination Network and Improve Dissemination Network	3125M20003.1	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30		24.707070	24.707070	

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
		Reliability.										
3125M20003	2nd Half - FY21 Network	Support Dissemination Network and Improve Dissemination Network Reliability for 2nd Half of FY20.	3125M20003.1.2	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30		16.419640	16.419640	
3125D20002	FY21 WCCIS - IDP	The NWS ACIO is submitting this change request to initiate the FY21 baseline.	3125D20002.1	2020-10-01	2020-11-02	2020-10-01	2021-09-30	2021-09-30		28.213890	28.213890	
3125D20002	2nd Half - FY2021 WCCIS - IDP	Provide Support of Dissemination Infrastructure and Improve Dissemination Reliability for 2nd Half of FY21.	3125D20002.1.2	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30		16.135280	16.135280	
3120D20002	FY21 NOAA Weather Radio (NWR)	NWR Upgrades and Support of TCP-IP Technology.	3120D20002.1	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30		6.209570	6.209570	
3120D20002	2nd Half - FY21 NOAA Weather Radio	NWR Upgrades and Support of TCP-IP Technology.	3120D20002.1.2	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30		3.455180	3.455180	
3125D19006	FY21 GIS National Viewer	Improve public access and user experience and Decision Support Services (DSS) in States and	3125D19006.3	2020-10-01	2020-10-01	2020-10-01	2021-09-30	2021-09-30		0.961110	0.961110	

Project Activity Table C.2.1

Unique Project ID	Activity Name	Activity Description	Structure ID	Planned Start Date	Projected Start Date	Actual Start Date	Planned Completion Date	Projected Completion Date	Actual Completion Date	Planned Total Costs	Projected Total Costs	Actual Total Costs
		localities that span multiple County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.										
3125D19006	2nd Half - FY21 GIS National Viewer	To improve public access and user experience and Decision Support Services (DSS) in States and localities that span multiple County Watch Areas (CWAs) by using enterprise GIS and web services to develop new and improved data and information services.	3125D19006.3.2	2021-04-01	2021-04-01	2021-04-01	2021-09-30	2021-09-30		0.381850	0.381850	

Section D: Operational Data

1. Provide the date and results of the last Operational Analysis (for operational and mixed life cycle systems/Investments):

1. Date of Analysis:

2. Analysis Results:

3. Analysis Conclusion: continue as is

2. Report a minimum of 5 metrics using the following table to provide metrics and actual results for each individual metric:

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
29080	IDP operational availability 97% or greater	Percentage	2 - Strategic and Business Results		99.000000	97.000000	Over target	Quarterly	006SO18031 : Reduce Extreme Weather Impacts	No
Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment						
29080	289540	99.180000	06/30/2021							
29080	283741	96.210000	03/31/2021							
29080	276676	98.320000	12/31/2020							
29080	271402	98.940000	09/30/2020							
29080	265910	99.100000	12/31/2019							
29080	265909	98.580000	03/31/2020							
29080	265908	99.230000	06/30/2020							
27687	Percentage of overall Weather.gov website hits resulting in 404 error	(%) of customer web objects resulting in 404 error	2 - Strategic and Business Results	1.000000	1.000000	1.000000	Under target	Monthly	006SO18031 : Reduce Extreme Weather Impacts	No

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
	error not to exceed 1.00%(includes following sites: NIDS Alerts, NIDS Digital, NIDS Forecast, NIDS Graphical, NIDS Radar, NIDS WWW).									

Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment
27687	289541	0.610000	06/30/2021	
27687	287433	0.640000	05/31/2021	
27687	287432	0.620000	04/30/2021	
27687	283742	0.560000	03/31/2021	
27687	281516	0.610000	02/28/2021	
27687	278524	1.010000	01/31/2021	
27687	276677	1.440000	12/31/2020	
27687	275159	1.200000	11/30/2020	
27687	274215	1.240000	10/31/2020	
27687	271404	1.060000	09/30/2020	
27687	270704	1.080000	08/31/2020	
27687	265914	0.900000	07/31/2020	

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					27687	265913	0.910000	06/30/2020		
					27687	265912	0.900000	05/31/2020		
					27687	265911	0.880000	04/30/2020		
					27687	259227	0.840000	03/31/2020		
					27687	258056	0.870000	02/29/2020		
					27687	256319	0.880000	01/31/2020		
					27687	253718	0.870000	12/31/2019		
					27687	253323	0.810000	11/30/2019		
					27687	251620	0.840000	10/31/2019		
					27687	250025	1.090000	09/30/2019		
					27687	246555	0.820000	07/31/2019		
					27687	246554	0.850000	08/31/2019		
					27687	245229	0.720000	06/30/2019		
					27687	244352	0.730000	05/31/2019		
					27687	242534	0.700000	04/30/2019		
					27687	241290	0.900000	03/31/2019		
					27687	239483	0.600000	01/31/2019		

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					27687	239482	0.600000	02/28/2019		
					27687	237156	0.700000	11/30/2018		
					27687	234348	0.700000	10/31/2018		
					27687	232183	0.700000	09/30/2018		
					27687	229016	0.500000	05/01/2017	Data as of 4/30/17. Metrics from now on will be reported with a one month lag	
					27687	229015	2.300000	05/31/2017		
					27687	229014	2.100000	06/30/2017		
					27687	229013	2.200000	07/31/2017		
					27687	229012	2.100000	08/31/2017		
					27687	229011	2.600000	09/30/2017		
					27687	229010	1.400000	10/31/2017		
					27687	229009	0.900000	11/30/2017		
					27687	229008	0.900000	12/31/2017		
					27687	229007	1.000000	01/31/2018		
					27687	229006	0.900000	02/28/2018		
					27687	229005	0.600000	03/31/2018		

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
27686	Total Weather.gov website offload efficiency 80% or greater.(includes following sites: NIDS Alerts, NIDS Digital, NIDS Forecast, NIDS Graphical, NIDS Radar, NIDS WWW)	% web objects accessed from comm. delivery network	2 - Strategic and Business Results	80.000000	27687	229004	0.600000	04/30/2018		
					27687	229003	0.600000	05/31/2018		
					27687	229002	0.600000	06/30/2018		
					27687	229001	0.600000	07/31/2018		
					27687	229000	0.700000	08/31/2018		
					80.000000	80.000000	Over target	Monthly	006SO18031 : Reduce Extreme Weather Impacts	Yes
					Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment	
					27686	250024	78.110000	09/30/2019		
					27686	246553	79.950000	07/31/2019		
					27686	246552	79.110000	08/31/2019		
27686	245228	80.090000	06/30/2019							
27686	244351	81.330000	05/31/2019							
27686	242533	82.200000	04/30/2019							

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					27686	241289	82.400000	03/31/2019		
					27686	239481	82.800000	01/31/2019		
					27686	239480	80.300000	02/28/2019		
					27686	237155	75.400000	11/30/2018		
					27686	234347	80.200000	10/31/2018		
					27686	232182	81.100000	09/30/2018		
					27686	228999	85.100000	05/01/2017	Data as of 4/30/17. Metrics from now on will be reported with a one month lag	
					27686	228998	81.600000	05/31/2017		
					27686	228997	73.300000	06/30/2017		
					27686	228996	74.400000	07/31/2017		
					27686	228995	75.100000	08/31/2017		
					27686	228994	79.400000	09/30/2017		
					27686	228993	81.200000	10/31/2017		
					27686	228992	79.600000	11/30/2017		
					27686	228991	75.100000	12/31/2017		
					27686	228990	75.300000	01/31/2018		

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					27686	228989	79.100000	02/28/2018		
					27686	228988	80.600000	03/31/2018		
					27686	228987	83.100000	04/30/2018		
					27686	228986	86.000000	05/31/2018		
					27686	228985	87.500000	06/30/2018		
					27686	228984	86.400000	07/31/2018		
					27686	228983	82.100000	08/31/2018		
27685	NWS Internet Dissemination System (NIDS) to have an average response time to customer requests of 2 seconds or less(includes following sites: NIDS Alerts, NIDS Digital, NIDS Forecast, NIDS Graphical, NIDS Radar, NIDS WWW)	Seconds	1 - Customer Satisfaction (Process Results)	0.000000	2.000000	2.000000	Under target	Quarterly	006SO18031 : Reduce Extreme Weather Impacts	No
					Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment	
					27685	289542	0.528000	06/30/2021		
					27685	283743	0.611000	03/31/2021		

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					27685	276678	0.614000	12/31/2020		
					27685	271405	0.735000	09/30/2020		
					27685	265915	0.365000	06/30/2020		
					27685	259226	0.356000	03/31/2020		
					27685	253717	0.389000	12/31/2019		
					27685	250023	0.392000	09/30/2019		
					27685	245227	0.474000	06/30/2019		
					27685	241288	0.568000	03/31/2019		
					27685	232181	0.614000	09/30/2018		
					27685	228982	1.000000	02/28/2017		
					27685	228981	1.000000	03/31/2017		
					27685	228980	1.700000	04/30/2017		
					27685	228979	1.700000	05/31/2017		
					27685	228978	1.700000	06/30/2017		
					27685	228977	1.700000	08/31/2017		
					27685	228976	1.700000	09/30/2017		
					27685	228975	0.614000	10/31/2017		

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
27684	NWR transmitter network availability 96% or better	Percentage	2 - Strategic and Business Results	0.000000	27685	228974	0.614000	12/31/2017		
					27685	228973	0.782000	03/31/2018		
					27685	228972	0.614000	06/30/2018		
					27685	228971	0.614000	07/31/2018		
					96.000000	96.000000	Over target	Monthly	006SO18031 : Reduce Extreme Weather Impacts	No
					Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment	
					27684	289543	97.630000	06/30/2021		
					27684	287435	98.060000	05/31/2021		
					27684	287434	97.860000	04/30/2021		
					27684	283744	98.170000	03/31/2021		
					27684	281517	97.850000	02/28/2021		
					27684	278525	97.810000	01/31/2021		
					27684	276679	97.810000	12/31/2020		
					27684	275160	97.760000	11/30/2020		
					27684	274216	98.090000	10/31/2020		
					27684	271406	97.360000	09/30/2020		

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					27684	270706	97.460000	08/31/2020		
					27684	265919	97.370000	07/31/2020		
					27684	265918	97.700000	06/30/2020		
					27684	265917	98.000000	05/31/2020		
					27684	265916	98.400000	04/30/2020		
					27684	259225	99.500000	03/31/2020		
					27684	258055	99.400000	02/29/2020		
					27684	256318	99.600000	01/31/2020		
					27684	253716	99.600000	12/31/2019		
					27684	253322	99.500000	11/30/2019		
					27684	251619	99.400000	10/31/2019		
					27684	250022	99.400000	09/30/2019		
					27684	246551	99.400000	07/31/2019		
					27684	246550	99.400000	08/31/2019		
					27684	245226	99.700000	06/30/2019		
					27684	244350	99.500000	05/31/2019		
					27684	242532	99.300000	04/30/2019		

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					27684	241287	99.600000	03/31/2019		
					27684	239479	99.600000	01/31/2019		
					27684	239478	99.700000	02/28/2019		
					27684	237154	99.100000	11/30/2018		
					27684	234346	99.300000	10/31/2018		
					27684	232180	99.400000	09/30/2018		
					27684	228970	99.700000	05/01/2017		
					27684	228969	99.500000	05/31/2017		
					27684	228968	99.500000	06/30/2017		
					27684	228967	99.600000	07/31/2017		
					27684	228966	99.600000	08/31/2017		
					27684	228965	99.600000	09/30/2017		
					27684	228964	99.500000	10/31/2017		
					27684	228963	99.600000	11/30/2017		
					27684	228962	99.500000	12/31/2017		
					27684	228961	99.500000	01/31/2018		
					27684	228960	99.700000	02/28/2018		

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					27684	228959	99.700000	03/31/2018		
					27684	228958	99.700000	04/30/2018		
					27684	228957	99.600000	05/31/2018		
					27684	228956	99.500000	06/30/2018		
					27684	228955	99.500000	07/31/2018		
					27684	228954	99.000000	08/31/2018		
27683	Cost per product served out of IDP Infrastructure in IDP-College Park and IDP-Boulder not to exceed 10% of prior year target	Cents per Product	3 - Financial Performance	0.040000	0.060000	0.060000	Under target	Annual	006SO18031 : Reduce Extreme Weather Impacts	No
					Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment	
					27683	271407	0.000550	09/30/2020		
					27683	250021	0.000450	09/30/2019		
					27683	232179	0.044000	05/22/2018		
					27683	228953	0.040000	05/31/2017		
					27683	228952	0.040000	06/30/2017		
					27683	228951	0.040000	07/31/2017		

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
25740	Average 24 hour peak CPU utilization of 60% or less for the 5 NWSTG core systems.	Percentage	2 - Strategic and Business Results		27683	228950	0.040000	08/31/2017		
					27683	228949	0.040000	09/30/2017		
							Under target	Monthly		No
Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment						
25740	188931	15.000000	03/31/2017							
25740	188930	15.000000	04/30/2017							
25740	185591	11.000000	02/28/2017							
25740	183716	9.000000	12/31/2016							
25740	183715	9.000000	01/31/2017							
25740	179156	65.000000	08/31/2012							
25740	179155	67.000000	09/28/2012							
25740	179154	67.000000	10/31/2012							
25740	179153	46.000000	11/30/2012							
25740	179152	53.000000	12/31/2012							
25740	179151	51.000000	01/31/2013							

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					25740	179150	38.000000	02/28/2013		
					25740	179149	38.000000	03/31/2013		
					25740	179148	38.000000	04/30/2013		
					25740	179147	39.000000	05/31/2013		
					25740	179146	39.000000	06/30/2013		
					25740	179145	37.000000	07/31/2013		
					25740	179144	40.000000	08/31/2013		
					25740	179143	49.000000	09/30/2013		
					25740	179142	40.000000	10/31/2013		
					25740	179141	30.000000	11/30/2013		
					25740	179140	30.000000	12/31/2013		
					25740	179139	31.000000	01/31/2014		
					25740	179138	31.000000	02/28/2014		
					25740	179137	34.000000	03/31/2014		
					25740	179136	35.000000	04/30/2014		
					25740	179135	35.000000	05/30/2014		
					25740	179134	35.000000	06/30/2014		

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					25740	179133	38.000000	07/31/2014		
					25740	179132	41.000000	08/31/2014		
					25740	179131	39.000000	09/30/2014		
					25740	179130	22.000000	10/31/2014		
					25740	179129	22.000000	11/30/2014		
					25740	179128	16.000000	12/31/2014		
					25740	179127	14.500000	01/31/2015		
					25740	179126	15.000000	02/28/2015		
					25740	179125	15.000000	06/01/2015		
					25740	179124	15.000000	07/01/2015		
					25740	179123	15.000000	08/03/2015		
					25740	179122	15.000000	09/02/2015		
					25740	179121	15.000000	10/05/2015		
					25740	179120	15.000000	11/03/2015		
					25740	179119	15.000000	12/04/2015		
					25740	179118	15.000000	01/31/2016		
					25740	179117	15.000000	02/29/2016		

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					25740	179116	15.000000	03/31/2016		
					25740	179115	15.000000	04/30/2016		
					25740	179114	14.000000	05/31/2016		
					25740	179113	15.000000	06/30/2016		
					25740	179112	15.000000	07/31/2016		
					25740	179111	15.000000	08/31/2016		
					25740	179110	15.000000	09/30/2016		
					25740	179109	11.000000	10/31/2016		
					25740	179108	9.000000	11/30/2016		
25739	NWSTG core system availability service level at 99.9% or higher	Percentage	2 - Strategic and Business Results				Over target	Monthly		No
					Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment	
					25739	188929	100.000000	03/31/2017		
					25739	188928	100.000000	04/30/2017		
					25739	185590	100.000000	02/28/2017		
					25739	183714	100.000000	12/31/2016		
					25739	183713	100.000000	01/31/2017		

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					25739	179107	100.000000	08/31/2012		
					25739	179106	100.000000	09/28/2012		
					25739	179105	99.900000	10/31/2012		
					25739	179104	100.000000	11/30/2012		
					25739	179103	100.000000	12/31/2012		
					25739	179102	100.000000	01/31/2013		
					25739	179101	98.760000	02/28/2013		
					25739	179100	100.000000	03/31/2013		
					25739	179099	99.880000	04/30/2013		
					25739	179098	100.000000	05/31/2013		
					25739	179097	99.850000	06/30/2013		
					25739	179096	100.000000	07/31/2013		
					25739	179095	98.140000	08/31/2013		
					25739	179094	100.000000	09/30/2013		
					25739	179093	100.000000	10/31/2013		
					25739	179092	100.000000	11/30/2013		
					25739	179091	100.000000	12/31/2013		

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					25739	179090	100.000000	01/31/2014		
					25739	179089	100.000000	02/28/2014		
					25739	179088	100.000000	03/31/2014		
					25739	179087	100.000000	04/30/2014		
					25739	179086	99.940000	05/30/2014		
					25739	179085	100.000000	06/30/2014		
					25739	179084	100.000000	07/31/2014		
					25739	179083	100.000000	08/31/2014		
					25739	179082	100.000000	09/30/2014		
					25739	179081	99.730000	10/31/2014		
					25739	179080	99.720000	11/30/2014		
					25739	179079	100.000000	12/31/2014		
					25739	179078	100.000000	01/31/2015		
					25739	179077	100.000000	02/28/2015		
					25739	179076	100.000000	03/31/2015		
					25739	179075	100.000000	05/04/2015		
					25739	179074	100.000000	06/01/2015		

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					25739	179073	99.900000	07/01/2015		
					25739	179072	100.000000	08/03/2015		
					25739	179071	99.850000	09/02/2015		
					25739	179070	100.000000	10/05/2015		
					25739	179069	100.000000	11/03/2015		
					25739	179068	100.000000	12/04/2015		
					25739	179067	100.000000	01/31/2016		
					25739	179066	100.000000	02/29/2016		
					25739	179065	100.000000	03/31/2016		
					25739	179064	100.000000	04/30/2016		
					25739	179063	99.990000	05/31/2016		
					25739	179062	100.000000	06/30/2016		
					25739	179061	99.570000	07/31/2016		
					25739	179060	100.000000	08/31/2016		
					25739	179059	100.000000	09/30/2016		
					25739	179058	100.000000	10/31/2016		
					25739	179057	100.000000	11/30/2016		

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
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25738

Maximum transit time for warning messages 1 second or less for system latency.

Seconds

2 - Strategic and Business Results

Under target

Monthly

No

Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment
25738	188927	0.530000	03/31/2017	
25738	188926	0.530000	04/30/2017	
25738	185589	0.560000	02/28/2017	
25738	183712	0.540000	12/31/2016	
25738	183711	0.540000	01/31/2017	
25738	179056	0.900000	08/31/2012	
25738	179055	1.340000	09/28/2012	
25738	179054	0.670000	10/31/2012	
25738	179053	0.740000	11/30/2012	
25738	179052	2.420000	12/31/2012	
25738	179051	0.700000	01/31/2013	
25738	179050	3.050000	02/28/2013	
25738	179049	1.280000	03/31/2013	

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					25738	179048	0.860000	04/30/2013		
					25738	179047	1.140000	05/31/2013		
					25738	179046	1.380000	06/30/2013		
					25738	179045	0.940000	07/31/2013		
					25738	179044	1.170000	08/31/2013		
					25738	179043	0.790000	09/30/2013		
					25738	179042	0.710000	10/31/2013		
					25738	179041	0.790000	11/30/2013		
					25738	179040	0.610000	12/31/2013		
					25738	179039	0.550000	01/31/2014		
					25738	179038	0.600000	02/28/2014		
					25738	179037	0.580000	03/31/2014		
					25738	179036	0.720000	04/30/2014		
					25738	179035	0.620000	05/30/2014		
					25738	179034	0.790000	06/30/2014		
					25738	179033	1.010000	08/27/2014		
					25738	179032	1.290000	08/31/2014		

Metrics Definitions and Actual Results Table D.2 / D.3

Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					25738	179031	0.880000	09/30/2014		
					25738	179030	2.830000	10/31/2014		
					25738	179029	0.740000	11/30/2014		
					25738	179028	0.320000	12/31/2014		
					25738	179027	0.290000	01/31/2015		
					25738	179026	0.220000	02/28/2015		
					25738	179025	0.260000	03/31/2015		
					25738	179024	0.260000	05/04/2015		
					25738	179023	1.670000	06/01/2015		
					25738	179022	3.950000	07/01/2015		
					25738	179021	0.260000	08/03/2015		
					25738	179020	3.410000	09/02/2015		
					25738	179019	0.310000	10/05/2015		
					25738	179018	0.890000	11/03/2015		
					25738	179017	0.240000	12/04/2015		
					25738	179016	0.280000	01/31/2016		
					25738	179015	0.320000	02/29/2016		

Metrics Definitions and Actual Results Table D.2 / D.3										
Metric ID	Metric Description	Unit of Measure	Performance Measurement Category Mapping	Agency Baseline Capability	2020 Target	2021 Target	Measurement Condition	Reporting Frequency	Agency Strategic Objective / Agency Priority Goal	Is Metric Retired?
					25738	179014	0.300000	03/31/2016		
					25738	179013	1.000000	04/30/2016		
					25738	179012	0.680000	05/31/2016		
					25738	179011	0.320000	06/30/2016		
					25738	179010	1.300000	07/31/2016		
					25738	179009	0.690000	08/31/2016		
					25738	179008	0.430000	09/30/2016		
					25738	179007	0.290000	10/31/2016		
					25738	179006	0.420000	11/30/2016		
24976	% of POAMs over 120 days past due	Percentage	1 - Customer Satisfaction (Process Results)	10.000000			Under target	Monthly		No
					Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment	
NONE										