



Selected Acquisition Report (SAR)

RCS: DD-A&T(Q&A)823-239



NPOESS

As of December 31, 2011

Defense Acquisition Management
Information Retrieval
(DAMIR)

UNCLASSIFIED

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Program Information

Designation And Nomenclature (Popular Name)

National Polar-orbiting Operational Environmental Satellite System (NPOESS)

DoD Component

Air Force

Responsible Office

Responsible Office

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Date Assigned October 1, 2011

References

SAR Baseline (Production Estimate)

Under Secretary of the Air Force (USecAF) Approved Acquisition Program Baseline (APB) dated August 22, 2002

Approved APB

Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated December 11, 2008

Mission and Description

The National Polar-orbiting Operational Environmental Satellite System (NPOESS) program was required to provide, for a period of at least 10 years, a remote sensing capability to acquire, receive at ground terminals, and disseminate to processing centers, global and regional environmental imagery and specialized meteorological information. This includes climatic, terrestrial, oceanographic, solar-geophysical and other data supporting Department of Commerce (DoC)/National Oceanic and Atmospheric Administration (NOAA) mission requirements, and Department of Defense (DoD) peacetime and wartime missions.

Executive Summary

NPOESS was planned to provide timely, high-quality weather and environmental information to military commanders enabling effective conduct of operations and to civil leaders for the protection of citizens, national resources and commerce.

On December 31, 2011, the FY 2012 National Defense Authorization Act (NDAA) and FY 2012 Appropriations Act were signed directing termination of the Defense Weather Satellite System (DWSS) program. Budget for FY 2012 was \$43M to be used for termination activities (Program Element 0305178F). The Program Office is in the process of implementing the FY 2012 budget as enacted.

There are no significant software-related issues with this program at this time.

This is the final SAR submission for the program, because the program is terminated per Congressional direction in FY 2012.

Threshold Breaches

APB Breaches		
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Schedule		<input checked="" type="checkbox"/>
Performance		<input type="checkbox"/>
Cost	RDT&E	<input type="checkbox"/>
	Procurement	<input type="checkbox"/>
	MILCON	<input type="checkbox"/>
	Acq O&M	<input type="checkbox"/>
Unit Cost	PAUC	<input type="checkbox"/>
	APUC	<input type="checkbox"/>

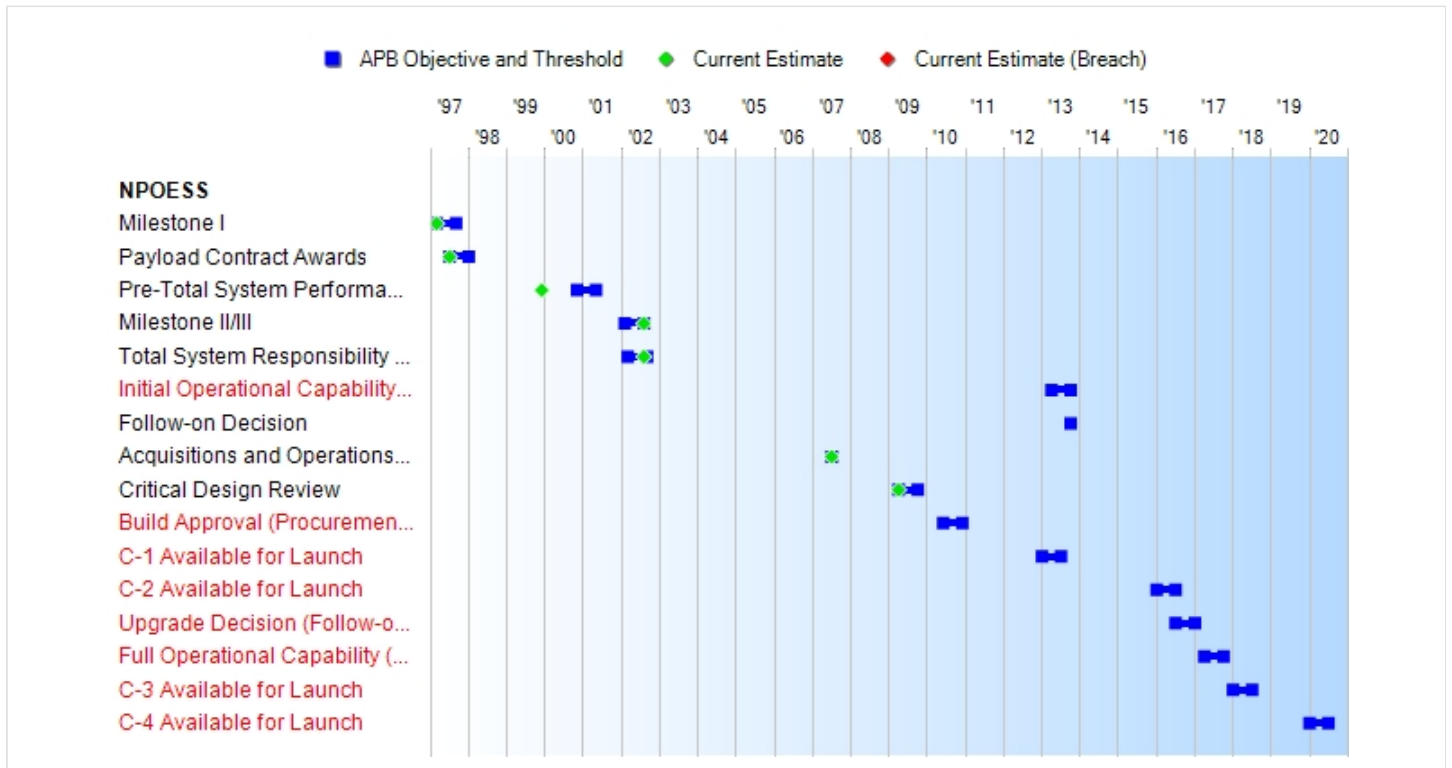
Explanation of Breach

Schedule breach was reported in the December 2010 SAR.

Nunn-McCurdy Breaches		
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Current UCR Baseline		
	PAUC	None
	APUC	None
Original UCR Baseline		
	PAUC	None
	APUC	None

Schedule



Milestones	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate
Milestone I	MAR 1997	MAR 1997	SEP 1997	MAR 1997
Payload Contract Awards	JUL 1997	JUL 1997	JAN 1998	JUL 1997
Pre-Total System Performance Responsibility (pre-TSPR) Contract Award	NOV 2000	NOV 2000	MAY 2001	DEC 1999
Milestone II/III	FEB 2002	FEB 2002	AUG 2002	AUG 2002
Total System Responsibility (TSPR) Contract Award	MAR 2002	MAR 2002	SEP 2002	AUG 2002
Initial Operational Capability (IOC)	JUL 2011	APR 2013	OCT 2013	N/A ¹
Follow-on Decision	OCT 2013	N/A	N/A	N/A
Acquisitions and Operations System Contract	N/A	JUL 2007	JUL 2007	JUL 2007
Critical Design Review	N/A	APR 2009	OCT 2009	APR 2009
Build Approval (Procurement Option Decision)	N/A	JUN 2010	DEC 2010	N/A ¹
C-1 Available for Launch	N/A	JAN 2013	JUL 2013	N/A ¹
C-2 Available for Launch	N/A	JAN 2016	JUL 2016	N/A ¹
Upgrade Decision (Follow-on Decision)	N/A	JUL 2016	JAN 2017	N/A ¹
Full Operational Capability (FOC)	N/A	APR 2017	OCT 2017	N/A ¹
C-3 Available for Launch	N/A	JAN 2018	JUL 2018	N/A ¹
C-4 Available for Launch	N/A	JAN 2020	JUL 2020	N/A ¹

¹APB Breach

Change Explanations

None

Memo

On February 1, 2010, the Executive Office of the President restructured the NPOESS program. This restructure resulted in the Department of Defense (DoD), Department of Commerce (DoC), and National Aeronautics and Space Administration (NASA) no longer jointly acquiring the NPOESS program. Therefore, the current estimates for future NPOESS Schedule milestones no longer apply.

On December 31, 2011, the FY 2012 National Defense Authorization Act (NDAA) and FY 2012 Appropriations Act were signed directing termination of the Defense Weather Satellite System (DWSS) program. Budget for FY 2012 was \$43M to be used for termination activities (Program Element 0305178F). The Program Office is in the process of implementing the FY 2012 budget as enacted.

Performance

Characteristics	SAR Baseline Prod Est	Current APB Production Objective/Threshold	Demonstrated Performance	Current Estimate	
Key EDR Parameters					
Atmospheric Vertical Moisture Profile					
Measurement Uncertainty (Clear: Surface - 600mb)	+/- 10%	+/- 10%	Contract/Threshold Value: Greater of 20% or 0.2 g kg-1	TBD	9.1% OR 0.2 g kg-1
Measurement Uncertainty (Cloudy: Surface - 600 mb)	+/- 10%	+/- 10%	Contract Value: Greater of 20% or 0.2g kg-1; Threshold Value: Greater of 25% or 0.25 g /kg	TBD	13.3% or 0.2 g kg-1
Atmospheric Vertical Temperature Profile					
Measurement Uncertainty (Clear: Surface - 300mb)	+/- 0.5K	+/- 0.5K	Contract Value: +/- 1.6K per 1 km layer; Threshold Value: +/- 2.5 to +/- 1.5K per 2km layer	TBD	0.8K per 1 km layer
Measurement Uncertainty (Cloudy: Surface - 700mb)	+/- 0.5K	+/- 0.5K	Contract Value: +/- 2.5K per 1 km layer; Threshold Value: +/- 3.0 to +/- 1.5K per 2.5 km layer	TBD	1.3K per 1 km layer
Imagery					
Horizontal Resolution					
Horizontal Cell Size at Nadir, clear	0.1 km	0.1 km	Contract Value: 0.4 km; Threshold	TBD	0.4 km

			Value: Regional .65 km (fine), Global 2.5 km (smooth)		
Refresh Visible and IR bands					
Average Revisit Time	1 hr	1 hr	Contract Value: At any location, the avg revisit time will be 4 hrs or less.; Threshold Value: Less than 4 hrs	TBD	At any location, the avg revisit time will be 4 hrs or less
Maximum Revisit Time	1 hr	1 hr	Contract Value: At any location, the max revisit time will be 6 hrs or less.; Threshold Value: 365 min (~6.1 hrs)	TBD	At any location, the max revisit time will be 6 hrs or less
Percent Compliance	N/A	1 hr	Contract Value: At any location, at least 75% of the revisit times will be 4 hrs or less; Threshold Value: 56.0% of points with a refresh of 4 hrs or less	TBD	At any location, at least 75% of the revisit times will be 4 hrs or less
Sea Surface Temperature					
Horizontal Resolution					
Horizontal Cell Size at Nadir, clear	0.25 km	0.25 km	Contract Value: 1.0 km; Threshold Value: 1.1 km (Regiona l) 8.0 km (Global)	TBD	0.75 km

Measurement Uncertainty, clear	+/- 0.1 deg C	+/- 0.1 deg C	Contract Value: +/- 0.5 deg C. Threshold Value: +/- 1.0 C (Coastal)+/- 0.5 C (Global-Nighttime) +/- 0.6 C (Global-Daytime).	TBD	0.4K
Global Sea Surface Winds					
Measurement Accuracy (Speed)	Greater of +/- 1 m/s or +/- 10%	Greater of +/- 1 m/s or +/- 10%	Contract Value: Greater of +/- 2 m/s or +/- 10%; Threshold Value: 2 m/s for WS < 5 m/s; 1 m/s for 5 m/s < WS < 20 m/s; No capability for WS > 20 m/s	TBD	Greater of +/- 2 m/s or +/- 10%
Soil Moisture (Surface) Sensing Depth	Surface to - 80 cm	Surface to - 80 cm	Contract Value: Surface (skin layer: - 0.1cm).; Threshold Value: Wet or Dry determination of bare soil surface	TBD	Surface (skin layer: - 0.1cm
Key System Parameters					
Data Access	Selective denial of all U.S. data (ARGOS and SARSAT excepted)	Selective denial of all U.S. environmental sensor data (ARGOS and SARSAT excepted)	Contract Value: Selective denial of all U.S. environmental sensor data (ARGOS and SARSAT excepted);	TBD	Select denial of all U.S. data (ARGOS and SARSAT excepted)

			Threshold Value: Capability to deny exists but it is not "Selectable"		
Interoperability	100% of top-level IERs	100% of top-level IERs	Contract Value: 100% of critical top-level IERs; Threshold Value: Yes - Spacecraft to Field Terminals, Spacecraft to Centrals	TBD	100% of critical top-level IERs

Requirements Source: Initial Operational Requirements Document (IORD II) dated December 10, 2001. Joint Requirements Oversight Council Memorandum (JROCM) 101-06 , dated June 2, 2006 .

Acronyms And Abbreviations

ARGOS - French Data Collection and Location System
 avg - average
 C - Celsius
 cm - centimeter
 deg - degree
 EDR - Environmental Data Record
 g kg-1 - grams per kilogram
 hr/hrs - hour/hours
 IER - Information Exchange Requirements
 IR - Infrared
 K - Kelvin
 km - kilometer
 m/s - meters per second
 max - maximum
 mb - millibars
 SRSAT - Search and Rescue Satellite Aided Tracking
 WS - Wind Speed

Change Explanations

None

Memo

The requirements in this section reflect the NPOESS program and do not necessarily represent the final Defense Weather Satellite System (DWSS) requirements.

Track To Budget

General Memo

NPOESS was a Presidentially directed Tri-agency program composed of Department of Defense (DoD), Department of Commerce (DoC) and National Aeronautics and Space Administration (NASA) personnel. The Tri-agency Memorandum of Agreement (MOA) states that funding is provided jointly by DoD, through the Air Force, and DoC, through the National Oceanic and Atmospheric Administration (NOAA).

On February 1, 2010, the Executive Office of the President (EOP) restructured the National Polar-orbiting Operational Satellite System (NPOESS) Program. The DoD, the DoC, and NASA will no longer jointly acquire the NPOESS program.

The DoD component of the restructured NPOESS program was planned to be the Defense Weather Satellite System (DWSS) program. DWSS was planned to be a DoD only program, the DoC component of the NPOESS program was extracted (50% of total funding) from FY 1995 - FY 2010; DoD funds NPOESS through FY 2004 with Research, Development, Test, and Evaluation (RDT&E) via Program Element (PE) 0603434F and in FY 2005 - FY 2012 via PE 0301578F.

Launch Services were planned to be funded entirely with Missile Procurement, AF (MPAF) via Evolved Expendable Launch Vehicle (EELV) PE 0305393F. These costs were planned to be reported as part of the EELV program.

On December 31, 2011, the FY 2012 National Defense Authorization Act (NDAA) and FY 2012 Appropriations Act were signed directing termination of the DWSS program. Budget for FY 2012 was \$43M to be used for termination activities (PE 0305178F). The Program Office is in the process of implementing the FY 2012 budget as enacted.

RDT&E

APPN 3600	BA 05	PE 0305178F	(Air Force)
	Project 4056	National Polar-orbiting Operational Environmental Sat. Sys./National Polar-orbiting Operational Environmental Sat. Syst.	(Sunk)
APPN 3600	BA 04	PE 0603434F	(Air Force)
	Project 4056	National Polar-orbiting Operational Environmental Sat. Sys./National Polar-orbiting Operational Environmental Sat. Syst.	(Sunk)

Procurement

APPN 3020	BA 05	PE 0305178F	(Air Force)
	ICN NPS000	National Polar-orbiting Operational Environmental Satellite System.	(Sunk)

Cost and Funding

Cost Summary

Total Acquisition Cost and Quantity

Appropriation	BY2002 \$M			BY2002 \$M	TY \$M		
	SAR Baseline Prod Est	Current APB Production Objective/Threshold	Current Estimate	Current Estimate	SAR Baseline Prod Est	Current APB Production Objective	Current Estimate
RDT&E	4401.7	7346.8	8113.7	2837.6	4765.5	8412.1	3130.6
Procurement	1136.3	2446.9	2691.6	0.0	1352.1	3332.0	0.0
Flyaway	1136.3	--	--	0.0	1352.1	--	0.0
Recurring	1136.3	--	--	0.0	1352.1	--	0.0
Non Recurring	0.0	--	--	0.0	0.0	--	0.0
Support	0.0	--	--	0.0	0.0	--	0.0
Other Support	0.0	--	--	0.0	0.0	--	0.0
Initial Spares	0.0	--	--	0.0	0.0	--	0.0
MILCON	0.0	0.0	--	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	--	0.0	0.0	0.0	0.0
Total	5538.0	9793.7	N/A	2837.6	6117.6	11744.1	3130.6

The total NPOESS program costs include both Department of Commerce (DoC) and Department of Defense (DoD) funding budgeted on a 50/50-share basis by year. The numbers listed in the Production Estimate represent the total NPOESS satellites, ground activities, launch support, Government Program Office support, Integrated Program Office (IPO) share of National Aeronautics and Space Administration (NASA)/IPO NPOESS Preparatory Program, and related risk reduction efforts.

On February 1, 2010, the Executive Office of the President (EOP) restructured the National Polar-orbiting Operational Satellite System (NPOESS) Program. The DoD, the DoC, and NASA will no longer jointly acquire the NPOESS program.

On December 31, 2011, the FY 2012 National Defense Authorization Act (NDAA) and FY 2012 Appropriations Act were signed directing termination of the Defense Weather Satellite System (DWSS) program. Budget for FY 2012 was \$43M to be used for termination activities (Program Element 0305178F). The Program Office is in the process of implementing the FY 2012 budget as enacted.

Quantity	SAR Baseline Prod Est	Current APB Production	Current Estimate
RDT&E		2	2
Procurement		4	2
Total		6	4

The Current Estimate (CE) in the SAR reflects the current DoD plan to acquire zero (0) satellites.

Cost and Funding

Funding Summary

Appropriation and Quantity Summary FY2013 President's Budget / December 2011 SAR (TY\$ M)

Appropriation	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	To Complete	Total
RDT&E	3087.6	43.0	0.0	0.0	0.0	0.0	0.0	0.0	3130.6
Procurement	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MILCON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acq O&M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PB 2013 Total	3087.6	43.0	0.0	0.0	0.0	0.0	0.0	0.0	3130.6
PB 2012 Total	3088.6	444.9	526.8	515.6	423.7	417.9	390.7	1495.1	7303.3
Delta	-1.0	-401.9	-526.8	-515.6	-423.7	-417.9	-390.7	-1495.1	-4172.7

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Quantity	Undistributed	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	To Complete	Total
Development	0	0	0	0	0	0	0	0	0	0
Production	0	0	0	0	0	0	0	0	0	0
PB 2013 Total	0	0	0	0	0	0	0	0	0	0
PB 2012 Total	2	0	0	0	0	0	0	0	0	2
Delta	-2	0	0	0	0	0	0	0	0	-2

Cost and Funding

Annual Funding By Appropriation

Annual Funding TY\$

3600 | RDT&E | Research, Development, Test, and Evaluation, Air Force

Fiscal Year	Quantity	End Item Recurring Flyaway TY \$M	Non End Item Recurring Flyaway TY \$M	Non Recurring Flyaway TY \$M	Total Flyaway TY \$M	Total Support TY \$M	Total Program TY \$M
1995	--	--	--	--	--	--	11.7
1996	--	--	--	--	--	--	14.0
1997	--	--	--	--	--	--	28.2
1998	--	--	--	--	--	--	32.6
1999	--	--	--	--	--	--	56.2
2000	--	--	--	--	--	--	58.3
2001	--	--	--	--	--	--	72.1
2002	--	--	--	--	--	--	154.2
2003	--	--	--	--	--	--	227.5
2004	--	--	--	--	--	--	269.7
2005	--	--	--	--	--	--	303.3
2006	--	--	--	--	--	--	319.0
2007	--	--	--	--	--	--	340.4
2008	--	--	--	--	--	--	331.0
2009	--	--	--	--	--	--	300.5
2010	--	--	--	--	--	--	394.9
2011	--	--	--	--	--	--	174.0
2012	--	--	--	--	--	--	43.0
Subtotal	--	--	--	--	--	--	3130.6

Annual Funding BY\$**3600 | RDT&E | Research, Development, Test, and Evaluation, Air Force**

Fiscal Year	Quantity	End Item Recurring Flyaway BY 2002 \$M	Non End Item Recurring Flyaway BY 2002 \$M	Non Recurring Flyaway BY 2002 \$M	Total Flyaway BY 2002 \$M	Total Support BY 2002 \$M	Total Program BY 2002 \$M
1995	--	--	--	--	--	--	12.7
1996	--	--	--	--	--	--	14.9
1997	--	--	--	--	--	--	29.6
1998	--	--	--	--	--	--	34.0
1999	--	--	--	--	--	--	58.0
2000	--	--	--	--	--	--	59.3
2001	--	--	--	--	--	--	72.3
2002	--	--	--	--	--	--	153.1
2003	--	--	--	--	--	--	222.8
2004	--	--	--	--	--	--	257.6
2005	--	--	--	--	--	--	282.5
2006	--	--	--	--	--	--	288.4
2007	--	--	--	--	--	--	299.9
2008	--	--	--	--	--	--	285.8
2009	--	--	--	--	--	--	256.1
2010	--	--	--	--	--	--	332.3
2011	--	--	--	--	--	--	143.5
2012	--	--	--	--	--	--	34.8
Subtotal	--	--	--	--	--	--	2837.6

Low Rate Initial Production

There is no Low Rate Initial Production (LRIP) for NPOESS.

Foreign Military Sales

None

Nuclear Cost

None

Unit Cost

Unit Cost Report

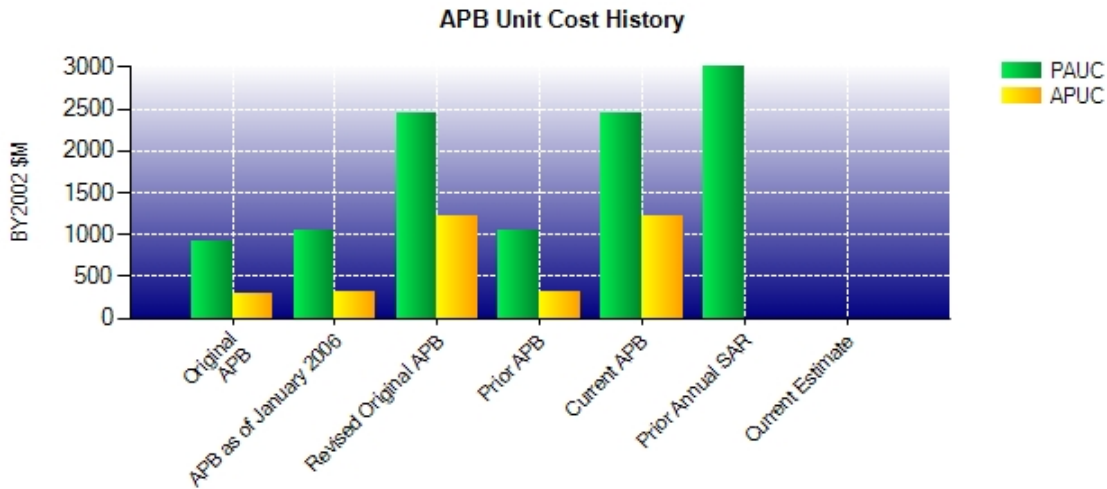
	BY2002 \$M	BY2002 \$M	
Unit Cost	Current UCR Baseline (DEC 2008 APB)	Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	9793.7	2837.6	
Quantity	4	0	
Unit Cost	2448.425	--	--
Average Procurement Unit Cost (APUC)			
Cost	2446.9	0.0	
Quantity	2	0	
Unit Cost	1223.450	--	--

	BY2002 \$M	BY2002 \$M	
Unit Cost	Revised Original UCR Baseline (DEC 2008 APB)	Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	9793.7	2837.6	
Quantity	4	0	
Unit Cost	2448.425	--	--
Average Procurement Unit Cost (APUC)			
Cost	2446.9	0.0	
Quantity	2	0	
Unit Cost	1223.450	--	--

The Executive Office of the President (EOP) restructured the National Polar-orbiting Operational Satellite System (NPOESS) Program. The Department of Defense (DoD), the Department of Commerce (DoC), and the National Aeronautics and Space Administration (NASA) will no longer jointly acquire NPOESS program.

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Unit Cost History



	Date	BY2002 \$M		TY \$M	
		PAUC	APUC	PAUC	APUC
Original APB	AUG 2002	923.000	284.075	1019.600	338.025
APB as of January 2006	JAN 2005	1046.083	312.250	1132.583	367.050
Revised Original APB	DEC 2008	2448.425	1223.450	2936.025	1666.000
Prior APB	JAN 2005	1046.083	312.250	1132.583	367.050
Current APB	DEC 2008	2448.425	1223.450	2936.025	1666.000
Prior Annual SAR	DEC 2010	3013.150	N/A	3651.650	N/A
Current Estimate	DEC 2011	N/A	N/A	N/A	N/A

SAR Unit Cost History

Current SAR Baseline to Current Estimate (TY \$M)

Initial PAUC Prod Est	Changes								PAUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
1019.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Current SAR Baseline to Current Estimate (TY \$M)

Initial APUC Prod Est	Changes								APUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
338.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SAR Baseline History

Item/Event	SAR Planning Estimate (PE)	SAR Development Estimate (DE)	SAR Production Estimate (PdE)	Current Estimate
Milestone I	MAR 1997	N/A	MAR 1997	MAR 1997
Milestone II	SEP 2000	N/A	FEB 2002	AUG 2002
Milestone III	DEC 2011	N/A	OCT 2013	N/A
IOC	DEC 2010	N/A	JUL 2011	N/A
Total Cost (TY \$M)	5329.0	N/A	6117.6	3130.6
Total Quantity	5	N/A	6	0
Prog. Acq. Unit Cost (PAUC)	1065.800	N/A	1019.600	N/A

Cost Variance**Cost Variance Summary**

Summary Then Year \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	4765.5	1352.1	--	6117.6
Previous Changes				
Economic	+65.5	-63.1	--	+2.4
Quantity	+1840.4	-3782.8	--	-1942.4
Schedule	+897.6	+82.6	--	+980.2
Engineering	-567.6	-292.1	--	-859.7
Estimating	+301.9	+2703.3	--	+3005.2
Other	--	--	--	--
Support	--	--	--	--
Subtotal	+2537.8	-1352.1	--	+1185.7
Current Changes				
Economic	+70.8	--	--	+70.8
Quantity	-4234.1	--	--	-4234.1
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	-9.4	--	--	-9.4
Other	--	--	--	--
Support	--	--	--	--
Subtotal	-4172.7	--	--	-4172.7
Total Changes	-1634.9	-1352.1	--	-2987.0
CE - Cost Variance	3130.6	--	--	3130.6
CE - Cost & Funding	3130.6	--	--	3130.6

Summary Base Year 2002 \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	4401.7	1136.3	--	5538.0
Previous Changes				
Economic	--	--	--	--
Quantity	+1299.7	-2897.4	--	-1597.7
Schedule	+682.2	--	--	+682.2
Engineering	-437.9	-239.2	--	-677.1
Estimating	+80.6	+2000.3	--	+2080.9
Other	--	--	--	--
Support	--	--	--	--
Subtotal	+1624.6	-1136.3	--	+488.3
Current Changes				
Economic	--	--	--	--
Quantity	-3180.9	--	--	-3180.9
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	-7.8	--	--	-7.8
Other	--	--	--	--
Support	--	--	--	--
Subtotal	-3188.7	--	--	-3188.7
Total Changes	-1564.1	-1136.3	--	-2700.4
CE - Cost Variance	2837.6	--	--	2837.6
CE - Cost & Funding	2837.6	--	--	2837.6

Previous Estimate: December 2010

RDT&E	\$M	
	Base Year	Then Year
Current Change Explanations		
Revised escalation indices. (Economic)	N/A	+70.8
Quantity decreased from two (2) to zero (0) based on the FY 2012 National Defense Authorization Act and FY 2012 Appropriations Act directing termination of the Defense Weather Satellite System (DWSS) program. (Quantity)	-3180.9	-4234.1
Adjustment for current and prior escalation. (Estimating)	-7.8	-9.4
RDT&E Subtotal	-3188.7	-4172.7

Contracts

Appropriation: RDT&E

Contract Name	NPOESS A&O
Contractor	Northrop Grumman Aerospace System
Contractor Location	Redondo Beach, CA 90278
Contract Number, Type	F04701-02-C-0502, CPAF
Award Date	August 23, 2002
Definitization Date	August 23, 2002

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
2942.7	N/A	2	5919.0	N/A	2	5951.9	5934.3

Variance	Cost Variance	Schedule Variance
Cumulative Variances To Date (9/30/2010)	-196.0	-29.0
Previous Cumulative Variances	-196.0	-29.0
Net Change	+0.0	+0.0

Cost And Schedule Variance Explanations

None

Contract Comments

The difference between the initial contract price target and the current contract price target is due to program restructure and subsequent termination.

Earned Value Management reporting was suspended August 2010.

Deliveries and Expenditures

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	0	0	0	--
Production	0	0	0	--
Total Program Quantities Delivered	0	0	0	--

Expenditures and Appropriations (TY \$M)			
Total Acquisition Cost	3130.6	Years Appropriated	18
Expenditures To Date	2990.2	Percent Years Appropriated	100.00%
Percent Expended	95.52%	Appropriated to Date	3130.6
Total Funding Years	18	Percent Appropriated	100.00%

The Executive Office of the President (EOP) restructured the National Polar-orbiting Operational Satellite System (NPOESS) Program. The Department of Defense (DoD), the Department of Commerce (DoC), and the National Aeronautics and Space Administration (NASA) will no longer jointly acquire NPOESS program.

Defense Weather Satellite System (DWSS) will be funded by DoD only, so the DoC component of the old NPOESS program has been extracted (50% of total funding) from FY 1995 - FY 2010. FY 2011 - FY 2012 will consist of Air Force Research Development Test & Evaluation (RDT&E) funding only for the DWSS program.

Operating and Support Cost

Assumptions And Ground Rules

As part of the NPOESS restructure into Defense Weather Satellite System (DWSS) and Joint Polar Satellite System (JPSS), the Common Ground System (CGS) was planned to be developed and funded by NOAA/NASA through JPSS. The cost sharing agreement between National Oceanic and Atmospheric Administration (NOAA)/National Aeronautics and Space Administration (NASA) and the Department of Defense (DoD) for the Operating and Support (O&S) costs of the CGS was under review.

On December 31, 2011, the FY 2012 National Defense Authorization Act (NDAA) and FY 2012 Appropriations Act were signed directing termination of the Defense Weather Satellite System (DWSS) program. Budget for FY 2012 was \$43M to be used for termination activities (Program Element 0305178F). The Program Office is in the process of implementing the FY 2012 budget as enacted.

Antecedent Systems: NPOESS was planned to replace the following civil and DoD polar-orbiting environmental satellite systems: Defense Meteorological Satellite Program, National Oceanic and Atmospheric Administration Polar Operational Environmental Satellite, and the National Aeronautics and Space Administration Earth Observing System. However, data is not available for comparison.

Costs BY2002 \$M		
Cost Element	NPOESS Average Annual System Cost	Antecedent Systems
Unit-Level Manpower	--	--
Unit Operations	--	--
Maintenance	--	--
Sustaining Support	--	--
Continuing System Improvements	--	--
Indirect Support	--	--
Other	--	--
Total Unitized Cost (Base Year 2002 \$)	--	--

Total O&S Costs \$M	NPOESS	Antecedent Systems
Base Year	--	--
Then Year	--	--