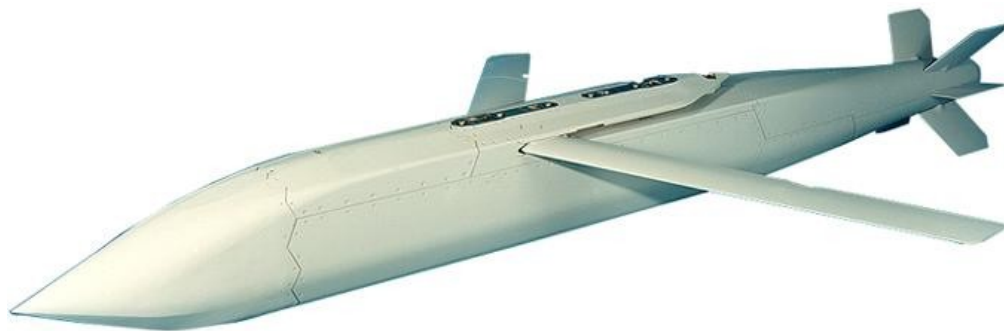




Selected Acquisition Report (SAR)

RCS: DD-A&T(Q&A)823-766



Joint Standoff Weapon - Baseline Variant and Unitary Warhead Variant (JSOW)

As of December 31, 2012

Defense Acquisition Management
Information Retrieval
(DAMIR)

Table of Contents

Program Information	3
Responsible Office	3
References	3
Mission and Description	4
Executive Summary	5
Threshold Breaches	6
Schedule	7
Performance	11
Track To Budget	14
Cost and Funding	16
Low Rate Initial Production	36
Foreign Military Sales	37
Nuclear Cost	38
Unit Cost	39
Cost Variance	45
Contracts	51
Deliveries and Expenditures	53
Operating and Support Cost	54

Program Information

Program Name

Joint Standoff Weapon - Baseline Variant and Unitary Warhead Variant (JSOW)

DoD Component

Navy

Responsible Office

Responsible Office

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Date Assigned December 11, 2009

References

BASELINE/BLU-108

SAR Baseline (Production Estimate)

Navy Acquisition Executive (NAE) Approved Acquisition Program Baseline (APB) dated July 10, 1999

Approved APB

Navy Acquisition Executive (NAE) Approved Acquisition Program Baseline (APB) dated December 20, 2004

UNITARY

SAR Baseline (Production Estimate)

Navy Acquisition Executive (NAE) Approved Acquisition Program Baseline (APB) dated December 20, 2004

Approved APB

Navy Acquisition Executive (NAE) Approved Acquisition Program Baseline (APB) dated August 5, 2009

Mission and Description

The JSOW is an air-to-ground weapon designed to attack a variety of targets during day, night, and adverse weather conditions. JSOW enhances aircraft survivability by providing the capability for launch aircraft to standoff outside the range of most target area surface-to-air threat systems. The JSOW launch-and-leave capability allows several target kills per aircraft sortie. The common JSOW variant nomenclature is JSOW-A (Baseline), JSOW-A-1, JSOW-B (BLU-108), JSOW-C (Unitary), and JSOW-C-1 (Network Enabled Weapon Moving Target Capability).

The JSOW program developed a Baseline weapon for use against fixed, area targets. The JSOW Baseline variant includes a kinematically efficient airframe and integrated Global Positioning System (GPS)/Inertial Navigation System (INS) capability, and a BLU-97/B submunition payload. The JSOW-A-1 configuration carries a BLU-111 warhead and is being marketed by Raytheon to Foreign Military Sales (FMS) customers. The JSOW-B variant incorporates the Sensor Fuzed Weapon submunition (BLU-108) into the baseline vehicle. The JSOW-B variant provides a standoff delivery capability against massed armor and land combat vehicles. Production of the JSOW-B is deferred.

JSOW-C and C-1 variants both use the Unitary lethal package, termed Bomb Royal Ordnance Augmented Charge (BROACH), which is produced by BAE Systems. The BROACH incorporates an advanced multi-stage warhead, which allows the warfighter to attack blast/frag sensitive and hardened point targets. JSOW-C uses an Imaging Infrared (IIR) seeker with embedded Autonomous Targeting Acquisition (ATA) software, increasing accuracy and lethality. The IIR affords the mission planner precise aimpoint selection and target discrimination. An anti-tamper/anti-spoofing capability was inserted in the guidance electronics unit with FY 2006 production. The JSOW C-1 adds a weapon data link and seeker upgrade to attack moving maritime targets in addition to the JSOW-C stationary land target mission set.

Through adherence to international standards for weapons interfaces and minimized weight and dimension considerations, JSOW is compatible with Navy, Air Force and North Atlantic Treaty Organization (NATO) aircraft. JSOW is a Navy-led, joint program.

Executive Summary

JSOW is in the post Milestone III production phase with final JSOW-A dispenser variant deliveries completed in July 2007; JSOW-C Unitary variant production completed deliveries in June 2010. JSOW-C-1 deliveries commenced October 2010 with 687 weapons delivered through December 2012.

JSOW C-1 is an Engineering Change Proposal (ECP) modification to the JSOW-C Unitary variant. JSOW C-1 will provide the U.S. Navy with an Anti-Surface Warfare stand-off weapon that can precisely strike a moving maritime target with Initial Operational Capability (IOC) in 2014 with the F/A-18E/F H10E Software Configuration Set (SCS). The JSOW C-1 program has successfully completed development and executed the JSOW C-1 Developmental Test (DT) and Integrated Test (IT) phases, all direct hits, demonstrating aimpoint accuracy for the maritime tests and retention of the land target capability. JSOW C-1 OT was delayed from FY 2013 to FY 2014 due to weapon system / aircraft software integration issues realized with the F/A-18 H8E OFP. JSOW C-1 Operational Test (OT) phase is aligned with the F/A-18E/F H10E SCS. The JSOW C-1 successfully completed a Joint Capabilities Technology Demonstration with Joint Surveillance Target Attack Radar System (JSTARS) and Littoral Surveillance Radar System (LSRS) platforms which demonstrated the C-1's network-enabled weapon capability of targeting maritime targets via third party sensors.

The JSOW program continues to meet all Capability Production Document (CPD), Key Performance Parameters (KPPs), Key System Attributes (KSAs) and Acquisition Program Baseline (APB) cost, schedule and performance thresholds.

Threshold Breaches

BASELINE/BLU-108

APB Breaches		
--------------	--	--

Schedule		<input 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"/>
O&S Cost		<input type="checkbox"/>
Unit Cost	PAUC	<input type="checkbox"/>
	APUC	<input type="checkbox"/>

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

UNITARY

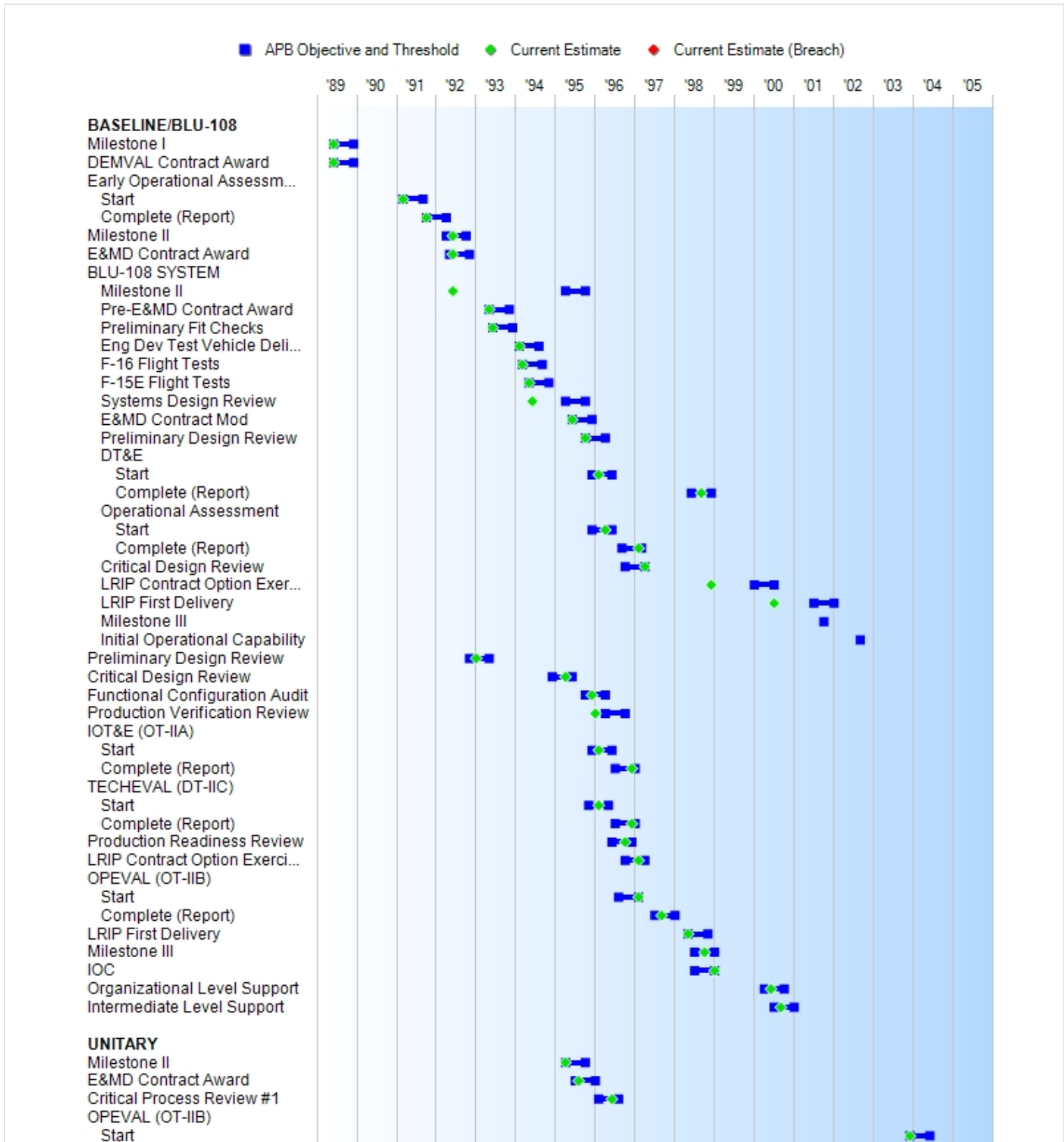
APB Breaches		
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Schedule		<input type="checkbox"/>
Performance		<input type="checkbox"/>
Cost	RDT&E	<input type="checkbox"/>
	Procurement	<input type="checkbox"/>
	MILCON	<input type="checkbox"/>
	Acq O&M	<input type="checkbox"/>
O&S Cost		<input type="checkbox"/>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

Nunn-McCurdy Breaches		
-----------------------	--	--

Current UCR Baseline		
	PAUC	None
	APUC	None
Original UCR Baseline		
	PAUC	None
	APUC	None

Schedule



Milestone III
Initial Operational Capability



BASELINE/BLU-108				
Milestones	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate
Milestone I	JUN 1989	JUN 1989	DEC 1989	JUN 1989
DEMVAL Contract Award	JUN 1989	JUN 1989	DEC 1989	JUN 1989
Early Operational Assessment (OT-I)				
Start	MAR 1991	MAR 1991	SEP 1991	MAR 1991
Complete (Report)	OCT 1991	OCT 1991	APR 1992	OCT 1991
Milestone II	APR 1992	APR 1992	OCT 1992	JUN 1992
E&MD Contract Award	MAY 1992	MAY 1992	NOV 1992	JUN 1992
BLU-108 SYSTEM				
Milestone II	APR 1995	APR 1995	OCT 1995	JUN 1992
Pre-E&MD Contract Award	MAY 1993	MAY 1993	NOV 1993	MAY 1993
Preliminary Fit Checks	JUN 1993	JUN 1993	DEC 1993	JUN 1993
Eng Dev Test Vehicle Delivery	FEB 1994	FEB 1994	AUG 1994	FEB 1994
F-16 Flight Tests	MAR 1994	MAR 1994	SEP 1994	MAR 1994
F-15E Flight Tests	MAY 1994	MAY 1994	NOV 1994	MAY 1994
Systems Design Review	APR 1995	APR 1995	OCT 1995	JUN 1994
E&MD Contract Mod	JUN 1995	JUN 1995	DEC 1995	JUN 1995
Preliminary Design Review	OCT 1995	OCT 1995	APR 1996	OCT 1995
DT&E				
Start	DEC 1995	DEC 1995	JUN 1996	FEB 1996
Complete (Report)	JUN 1998	JUN 1998	DEC 1998	SEP 1998
Operational Assessment				
Start	DEC 1995	DEC 1995	JUN 1996	APR 1996
Complete (Report)	SEP 1996	SEP 1996	MAR 1997	FEB 1997
Critical Design Review	OCT 1996	OCT 1996	APR 1997	APR 1997
LRIP Contract Option Exercised	JAN 2000	JAN 2000	JUL 2000	DEC 1998
LRIP First Delivery	JUL 2001	JUL 2001	JAN 2002	JUL 2000
Milestone III	OCT 2001	N/A	N/A	N/A
Initial Operational Capability	SEP 2002	N/A	N/A	N/A
Preliminary Design Review	NOV 1992	NOV 1992	MAY 1993	JAN 1993
Critical Design Review	DEC 1994	DEC 1994	JUN 1995	APR 1995
Functional Configuration Audit	OCT 1995	OCT 1995	APR 1996	DEC 1995
Production Verification Review	APR 1996	APR 1996	OCT 1996	JAN 1996
IOT&E (OT-IIA)				
Start	DEC 1995	DEC 1995	JUN 1996	FEB 1996
Complete (Report)	JUL 1996	JUL 1996	JAN 1997	DEC 1996
TECHEVAL (DT-IIC)				

Start	NOV 1995	NOV 1995	MAY 1996	FEB 1996
Complete (Report)	JUL 1996	JUL 1996	JAN 1997	DEC 1996
Production Readiness Review	JUN 1996	JUN 1996	DEC 1996	OCT 1996
LRIP Contract Option Exercised	OCT 1996	OCT 1996	APR 1997	FEB 1997
OPEVAL (OT-IIB)				
Start	AUG 1996	AUG 1996	FEB 1997	FEB 1997
Complete (Report)	JUL 1997	JUL 1997	JAN 1998	SEP 1997
LRIP First Delivery	MAY 1998	MAY 1998	NOV 1998	MAY 1998
Milestone III	JUL 1998	JUL 1998	JAN 1999	OCT 1998
IOC	JUL 1998	JUL 1998	JAN 1999	JAN 1999
Organizational Level Support	APR 2000	APR 2000	OCT 2000	JUN 2000
Intermediate Level Support	JUL 2000	JUL 2000	JAN 2001	SEP 2000

Acronyms And Abbreviations

DEMVAL - Demonstration and Validation
 DEV - Development
 DT - Developmental Test
 DT&E - Developmental Test and Evaluation
 E&MD - Engineering and Manufacturing Development
 IOC - Initial Operational Capability
 IOT&E - Initial Operational Test and Evaluation
 LRIP - Low Rate Initial Production
 N/A - Not Applicable
 OPEVAL - Operational Evaluation
 OT - Operational Test
 TECHEVAL - Technical Evaluation

Change Explanations

None

UNITARY

Milestones	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate
Milestone II	APR 1995	APR 1995	OCT 1995	APR 1995
E&MD Contract Award	JUL 1995	JUL 1995	JAN 1996	AUG 1995
Critical Process Review #1	FEB 1996	FEB 1996	AUG 1996	JUN 1996
OPEVAL (OT-IIB)				
Start	DEC 2003	DEC 2003	JUN 2004	DEC 2003
Milestone III	DEC 2004	DEC 2004	JUN 2005	DEC 2004
Initial Operational Capability	AUG 2004	AUG 2004	FEB 2005	FEB 2005

Acronyms And Abbreviations

E&MD - Engineering and Manufacturing Development
OPEVAL - Operational Evaluation
OT - Operational Test

Change Explanations

None

Performance

BASELINE/BLU-108					
Characteristics	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Demonstrated Performance	Current Estimate
Survivability	IAW Sys Spec (SD - 901-1)	IAW Sys Spec (SD- 901-1)	IAW Sys Spec (SD- 901-1)	IAW Sys Spec (SD - 901-1)	IAW Sys Spec (SD - 901-1)
Range (nm from launch at specified conditions)					
Low Altitude (nm)	>or=15 (200 ft MSL, .8 IMN)	>or=15 (200 ft MSL, .8 IMN)	>or=12 (500 ft MSL, .8 IMN)	12 (500 ft MSL, .8 IMN)	>or=15 (200 ft MSL, .8 IMN)
High (nm @ 30K ft MSL, .8 IMN)	>50	>50	>40	50	>50

Requirements Source: Operational Requirements Document (ORD) dated December 10, 2002

Acronyms And Abbreviations

ft - feet
 IAW - In Accordance With
 IMN - Indicated Mach Number
 K - Thousand
 MSL - Mean Sea Level
 nm - Nautical Miles
 Spec - Specification
 Sys - System

Change Explanations

None

Classified Performance information is provided in the classified annex to this submission.

UNITARY					
Characteristics	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Demonstrated Performance	Current Estimate
Survivability	IAW Sys spec SD-901-1	IAW Sys spec SD-901-1	IAW Sys spec SD-901-1	IAW Sys spec SD-901-1	IAW Sys spec SD-901-1
Accuracy (CEP)					
Weapon (ft)	10	10	10	4.49	4.49
Weapon (Air Vehicle) (ft)	70	70	91	35.4	35.4
Range (nm from launch at specified conditions)					
Low Altitude (nm)	>or=15 (200 ft MSL, .8 IMN)	>or=15 (200 ft MSL, .8 IMN)	>or=12 (500 ft MSL, .8 IMN)	12 nm (500 ft MSL, 0.8 IMN)	12 nm (500 ft MSL, 0.8 IMN)
High (nm @ 30K ft MSL, .8 IMN)	>50	>50	>40	50 nm (25K ft MSL, 0.8 IMN)	50 nm (25K ft MSL, 0.8 IMN)
Accuracy, (SEP) Weapon (ft)	N/A	10	20	2.2 feet (DT1) 3.6 feet (DT2) 2.2 feet (IT1) 15.5 feet (IT2)	13 feet SEP (Based on Simulation Data)
Weapon Data Link	N/A	3rd Party compatible waveform	IFTU from F/A-18 E/F	Demonstrated IFTU capability with F/A-18E/F during developmental and integration testing. 3rd Party compatible waveform demonstrated with the LSRS platform during the Joint Capability Test Demonstration	Demonstrated IFTU capability with F/A-18E/F during developmental and integration testing. 3rd Party compatible waveform demonstrated with the LSRS platform during the Joint Capability Test Demonstration

Material Availability (Sustainment)	N/A	>or=.95	>or=.95	99.5	99.5
Net-Ready KPP	N/A	Std Definition	Std Definition	Compliant by design. Recieved Stage 4 and Navy SPAWAR certification. Interoperability certification to be provided by JITC during operational testing in 2014.	Compliant by design. Recieved Stage 4 and Navy SPAWAR certification. Interoperability certification to be provided by JITC during operational testing in 2014.

Requirements Source:

Capability Production Document (CPD) dated February 2, 2009

Acronyms And Abbreviations

CEP - Circular Error Probable
 DT - Developmental Test
 ft - Feet
 IAW - In Accordance With
 IFTU - In-Flight Target Update
 IMN - Indicated Mach Number
 IT - Integration Test
 JITC - Joint Interoperability Test Command
 K - Thousand
 KPP - Key Performance Parameter
 LSRS - Littoral Surveillance Radar System
 MSL - Mean Sea Level
 N/A - Not Applicable
 nm - Nautical Mile
 SEP - Spherical Error Probable
 SPAWAR - Space & Naval Warfare Systems Command
 Spec - Specification
 Std - Standard
 Sys - System

Change Explanations

None

Classified Performance information is provided in the classified annex to this submission.

Track To Budget**BASELINE/BLU-108****RDT&E**

APPN 1319	BA 05	PE 0604727N	(Navy)	
	Project 2068	Joint Standoff Weapon (Navy)		(Sunk)
APPN 3600	BA 05	PE 0604727F	(Air Force)	
	Project 1000	Joint Standoff Weapon (Air Force)		(Sunk)

Procurement

APPN 1507	BA 02	PE 0204162N	(Navy)	
	ICN 2230	Joint Standoff Weapon (Navy)		
APPN 1507	BA 06	PE 0204162N	(Navy)	
	ICN 6120	Spares	(Shared)	
APPN 3020	BA 02	PE 0207324F	(Air Force)	
	ICN JSOW	JSOW Missile Procurement Air Force	(Shared)	(Sunk)

UNITARY**RDT&E**

APPN 1319	BA 05	PE 0604727N	(Navy)	
	Project 2068	Joint Standoff Weapon (Navy)		

Procurement

APPN 1507	BA 02	PE 0204162N	(Navy)	
	ICN 2230	Joint Standoff Weapon (Navy)		
APPN 1507	BA 06	PE 0204162N	(Navy)	

ICN 6120

Spares

(Shared)

Cost and Funding

Cost Summary - Total Program

Total Acquisition Cost and Quantity - Total Program

Appropriation	BY1990 \$M			BY1990 \$M	TY \$M		
	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate	SAR Baseline Prod Est	Current APB Production Objective	Current Estimate
RDT&E	836.8	887.8	--	913.3	992.5	1052.9	1093.9
Procurement	4685.5	2636.7	--	2688.9	6852.4	3862.5	4151.6
Flyaway	4633.0	--	--	2640.0	6780.2	--	4077.5
Recurring	4369.4	--	--	2314.8	6389.9	--	3612.5
Non Recurring	263.6	--	--	325.2	390.3	--	465.0
Support	52.5	--	--	48.9	72.2	--	74.1
Other Support	51.6	--	--	45.1	71.0	--	68.4
Initial Spares	0.9	--	--	3.8	1.2	--	5.7
MILCON	21.8	0.0	--	0.0	28.6	0.0	0.0
Acq O&M	0.0	0.0	--	0.0	0.0	0.0	0.0
Total	5544.1	3524.5	N/A	3602.2	7873.5	4915.4	5245.5

Cost and Funding

Cost Summary - BASELINE/BLU-108

Total Acquisition Cost and Quantity - BASELINE/BLU-108

Appropriation	BY1990 \$M			BY1990 \$M	TY \$M		
	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate	SAR Baseline Prod Est	Current APB Production Objective	Current Estimate
RDT&E	554.0	564.1	620.5	563.6	645.0	643.6	643.6
Procurement	2990.5	941.7	1035.9	913.5	4225.1	1235.2	1231.2
Flyaway	2955.4	--	--	891.6	4179.8	--	1203.2
Recurring	2876.7	--	--	716.5	4075.8	--	975.8
Non Recurring	78.7	--	--	175.1	104.0	--	227.4
Support	35.1	--	--	21.9	45.3	--	28.0
Other Support	34.2	--	--	21.1	44.1	--	26.9
Initial Spares	0.9	--	--	0.8	1.2	--	1.1
MILCON	21.8	0.0	--	0.0	28.6	0.0	0.0
Acq O&M	0.0	0.0	--	0.0	0.0	0.0	0.0
Total	3566.3	1505.8	N/A	1477.1	4898.7	1878.8	1874.8

Quantity	SAR Baseline Prod Est	Current APB Production	Current Estimate
RDT&E	0	0	0
Procurement	16124	3334	3334
Total	16124	3334	3334

3334 procurement missiles include 2800 Navy Baselines, 523 Air Force Baselines, and 11 Air Force BLU-108s.

Cost Summary - UNITARY**Total Acquisition Cost and Quantity - UNITARY**

Appropriation	BY1990 \$M			BY1990 \$M	TY \$M		
	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate	SAR Baseline Prod Est	Current APB Production Objective	Current Estimate
RDT&E	282.8	323.7	356.1	349.7	347.5	409.3	450.3
Procurement	1695.0	1695.0	1864.5	1775.4	2627.3	2627.3	2920.4
Flyaway	1677.6	--	--	1748.4	2600.4	--	2874.3
Recurring	1492.7	--	--	1598.3	2314.1	--	2636.7
Non Recurring	184.9	--	--	150.1	286.3	--	237.6
Support	17.4	--	--	27.0	26.9	--	46.1
Other Support	17.4	--	--	24.0	26.9	--	41.5
Initial Spares	0.0	--	--	3.0	0.0	--	4.6
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	1977.8	2018.7	N/A	2125.1	2974.8	3036.6	3370.7

Quantity	SAR Baseline Prod Est	Current APB Production	Current Estimate
RDT&E	0	0	0
Procurement	7000	7000	7000
Total	7000	7000	7000

Cost and Funding

Funding Summary - Total Program

Appropriation and Quantity Summary - Total Program FY2014 President's Budget / December 2012 SAR (TY\$ M)

Appropriation	Prior	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	To Complete	Total
RDT&E	1083.8	5.5	0.4	0.4	0.4	0.5	0.5	2.4	1093.9
Procurement	2126.5	127.8	137.1	168.3	170.7	173.7	197.6	1049.9	4151.6
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 2014 Total	3210.3	133.3	137.5	168.7	171.1	174.2	198.1	1052.3	5245.5
PB 2013 Total	3209.1	133.3	151.1	170.4	172.8	175.9	235.9	998.2	5246.7
Delta	1.2	0.0	-13.6	-1.7	-1.7	-1.7	-37.8	54.1	-1.2

Cost and Funding

Funding Summary - BASELINE/BLU-108

Appropriation and Quantity Summary - BASELINE/BLU-108 FY2014 President's Budget / December 2012 SAR (TY\$ M)

Appropriation	Prior	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	To Complete	Total
RDT&E	643.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	643.6
Procurement	1016.3	0.0	0.0	0.0	0.0	0.0	0.0	214.9	1231.2
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 2014 Total	1659.9	0.0	0.0	0.0	0.0	0.0	0.0	214.9	1874.8
PB 2013 Total	1659.9	0.0	0.0	0.0	0.0	0.0	40.9	172.5	1873.3
Delta	0.0	0.0	0.0	0.0	0.0	0.0	-40.9	42.4	1.5

Program funding and production quantities listed in this SAR are consistent with the FY 2014 President's Budget (PB). The FY 2014 PB did not reflect the enacted DoD appropriation for FY 2013, nor sequestration; it reflected the President's requested amounts for FY 2013.

Quantity	Undistributed	Prior	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	To Complete	Total
Development	0	0	0	0	0	0	0	0	0	0
Production	0	2517	0	0	0	0	0	0	817	3334
PB 2014 Total	0	2517	0	0	0	0	0	0	817	3334
PB 2013 Total	0	2517	0	0	0	0	0	165	652	3334
Delta	0	0	0	0	0	0	0	-165	165	0

Funding Summary - UNITARY

Appropriation and Quantity Summary - UNITARY FY2014 President's Budget / December 2012 SAR (TY\$ M)

Appropriation	Prior	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	To Complete	Total
RDT&E	440.2	5.5	0.4	0.4	0.4	0.5	0.5	2.4	450.3
Procurement	1110.2	127.8	137.1	168.3	170.7	173.7	197.6	835.0	2920.4
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 2014 Total	1550.4	133.3	137.5	168.7	171.1	174.2	198.1	837.4	3370.7
PB 2013 Total	1549.2	133.3	151.1	170.4	172.8	175.9	195.0	825.7	3373.4
Delta	1.2	0.0	-13.6	-1.7	-1.7	-1.7	3.1	11.7	-2.7

Program funding and production quantities listed in this SAR are consistent with the FY 2014 President's Budget (PB). The FY 2014 PB did not reflect the enacted DoD appropriation for FY 2013, nor sequestration; it reflected the President's requested amounts for FY 2013.

Quantity	Undistributed	Prior	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	To Complete	Total
Development	0	0	0	0	0	0	0	0	0	0
Production	0	2571	280	328	431	432	440	496	2022	7000
PB 2014 Total	0	2571	280	328	431	432	440	496	2022	7000
PB 2013 Total	0	2571	280	370	435	436	444	493	1971	7000
Delta	0	0	0	-42	-4	-4	-4	3	51	0

Cost and Funding

Annual Funding By Appropriation - BASELINE/BLU-108

Annual Funding TY\$ - BASELINE/BLU-108

1319 | RDT&E | Research, Development, Test, and Evaluation, Navy

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
1987	--	--	--	--	--	--	1.0
1988	--	--	--	--	--	--	19.2
1989	--	--	--	--	--	--	13.5
1990	--	--	--	--	--	--	8.5
1991	--	--	--	--	--	--	16.5
1992	--	--	--	--	--	--	45.8
1993	--	--	--	--	--	--	58.8
1994	--	--	--	--	--	--	80.9
1995	--	--	--	--	--	--	104.3
1996	--	--	--	--	--	--	46.9
1997	--	--	--	--	--	--	35.2
1998	--	--	--	--	--	--	8.2
1999	--	--	--	--	--	--	5.4
2000	--	--	--	--	--	--	0.1
2001	--	--	--	--	--	--	--
2002	--	--	--	--	--	--	--
2003	--	--	--	--	--	--	--
2004	--	--	--	--	--	--	4.9
Subtotal	--	--	--	--	--	--	449.2

Annual Funding BY\$ - BASELINE/BLU-108

1319 | RDT&E | Research, Development, Test, and Evaluation, Navy

Fiscal Year	Quantity	End Item Recurring Flyaway BY 1990 \$M	Non End Item Recurring Flyaway BY 1990 \$M	Non Recurring Flyaway BY 1990 \$M	Total Flyaway BY 1990 \$M	Total Support BY 1990 \$M	Total Program BY 1990 \$M
1987	--	--	--	--	--	--	1.1
1988	--	--	--	--	--	--	20.3
1989	--	--	--	--	--	--	13.7
1990	--	--	--	--	--	--	8.3
1991	--	--	--	--	--	--	15.6
1992	--	--	--	--	--	--	42.0
1993	--	--	--	--	--	--	52.7
1994	--	--	--	--	--	--	71.1
1995	--	--	--	--	--	--	89.9
1996	--	--	--	--	--	--	39.8
1997	--	--	--	--	--	--	29.5
1998	--	--	--	--	--	--	6.8
1999	--	--	--	--	--	--	4.4
2000	--	--	--	--	--	--	0.1
2001	--	--	--	--	--	--	--
2002	--	--	--	--	--	--	--
2003	--	--	--	--	--	--	--
2004	--	--	--	--	--	--	3.7
Subtotal	--	--	--	--	--	--	399.0

Annual Funding TY\$ - BASELINE/BLU-108**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
1993	--	--	--	--	--	--	5.4
1994	--	--	--	--	--	--	23.1
1995	--	--	--	--	--	--	51.7
1996	--	--	--	--	--	--	41.8
1997	--	--	--	--	--	--	22.0
1998	--	--	--	--	--	--	21.5
1999	--	--	--	--	--	--	17.2
2000	--	--	--	--	--	--	10.2
2001	--	--	--	--	--	--	1.5
Subtotal	--	--	--	--	--	--	194.4

Annual Funding BY\$ - BASELINE/BLU-108**3600 | RDT&E | Research, Development, Test, and Evaluation, Air Force**

Fiscal Year	Quantity	End Item Recurring Flyaway BY 1990 \$M	Non End Item Recurring Flyaway BY 1990 \$M	Non Recurring Flyaway BY 1990 \$M	Total Flyaway BY 1990 \$M	Total Support BY 1990 \$M	Total Program BY 1990 \$M
1993	--	--	--	--	--	--	4.8
1994	--	--	--	--	--	--	20.3
1995	--	--	--	--	--	--	44.5
1996	--	--	--	--	--	--	35.3
1997	--	--	--	--	--	--	18.4
1998	--	--	--	--	--	--	17.8
1999	--	--	--	--	--	--	14.1
2000	--	--	--	--	--	--	8.2
2001	--	--	--	--	--	--	1.2
Subtotal	--	--	--	--	--	--	164.6

Annual Funding TY\$ - BASELINE/BLU-108
1507 | Procurement | Weapons Procurement, Navy

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
1996	--	--	--	24.3	24.3	--	24.3
1997	100	46.2	--	12.8	59.0	1.8	60.8
1998	135	58.1	--	10.7	68.8	3.6	72.4
1999	328	83.2	--	33.9	117.1	2.5	119.6
2000	454	103.4	--	10.5	113.9	0.9	114.8
2001	29	120.0	--	33.4	153.4	2.2	155.6
2002	--	--	--	--	--	--	--
2003	490	104.0	--	19.9	123.9	0.6	124.5
2004	231	65.7	--	3.9	69.6	0.7	70.3
2005	216	52.2	--	10.3	62.5	0.6	63.1
2006	--	--	--	--	--	--	--
2007	--	--	--	--	--	--	--
2008	--	--	--	--	--	--	--
2009	--	--	--	--	--	--	--
2010	--	--	--	--	--	--	--
2011	--	--	--	--	--	--	--
2012	--	--	--	--	--	--	--
2013	--	--	--	--	--	--	--
2014	--	--	--	--	--	--	--
2015	--	--	--	--	--	--	--
2016	--	--	--	--	--	--	--
2017	--	--	--	--	--	--	--
2018	--	--	--	--	--	--	--
2019	164	36.7	--	3.9	40.6	0.2	40.8
2020	161	36.2	--	4.3	40.5	0.2	40.7
2021	162	37.9	--	4.2	42.1	0.2	42.3
2022	165	39.5	--	4.3	43.8	0.2	44.0
2023	165	41.1	--	5.3	46.4	0.7	47.1
Subtotal	2800	824.2	--	181.7	1005.9	14.4	1020.3

Annual Funding BY\$ - BASELINE/BLU-108
1507 | Procurement | Weapons Procurement, Navy

Fiscal Year	Quantity	End Item Recurring Flyaway BY 1990 \$M	Non End Item Recurring Flyaway BY 1990 \$M	Non Recurring Flyaway BY 1990 \$M	Total Flyaway BY 1990 \$M	Total Support BY 1990 \$M	Total Program BY 1990 \$M
1996	--	--	--	20.4	20.4	--	20.4
1997	100	38.3	--	10.6	48.9	1.5	50.4
1998	135	47.6	--	8.8	56.4	3.0	59.4
1999	328	67.4	--	27.5	94.9	2.0	96.9
2000	454	82.6	--	8.4	91.0	0.7	91.7
2001	29	94.7	--	26.4	121.1	1.7	122.8
2002	--	--	--	--	--	--	--
2003	490	79.6	--	15.1	94.7	0.5	95.2
2004	231	48.8	--	2.9	51.7	0.5	52.2
2005	216	37.7	--	7.5	45.2	0.4	45.6
2006	--	--	--	--	--	--	--
2007	--	--	--	--	--	--	--
2008	--	--	--	--	--	--	--
2009	--	--	--	--	--	--	--
2010	--	--	--	--	--	--	--
2011	--	--	--	--	--	--	--
2012	--	--	--	--	--	--	--
2013	--	--	--	--	--	--	--
2014	--	--	--	--	--	--	--
2015	--	--	--	--	--	--	--
2016	--	--	--	--	--	--	--
2017	--	--	--	--	--	--	--
2018	--	--	--	--	--	--	--
2019	164	20.3	--	2.1	22.4	0.1	22.5
2020	161	19.6	--	2.4	22.0	0.1	22.1
2021	162	20.2	--	2.2	22.4	0.1	22.5
2022	165	20.6	--	2.3	22.9	0.1	23.0
2023	165	21.1	--	2.6	23.7	0.4	24.1
Subtotal	2800	598.5	--	139.2	737.7	11.1	748.8

Annual Funding TY\$ - BASELINE/BLU-108
3020 | Procurement | Missile Procurement, 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
1998	45	21.3	--	--	21.3	--	21.3
1999	86	27.1	--	4.2	31.3	2.0	33.3
2000	74	19.9	--	3.1	23.0	4.3	27.3
2001	--	--	--	21.7	21.7	6.4	28.1
2002	--	--	--	9.7	9.7	0.5	10.2
2003	22	9.4	--	2.7	12.1	0.1	12.2
2004	307	73.9	--	4.3	78.2	0.3	78.5
Subtotal	534	151.6	--	45.7	197.3	13.6	210.9

Annual Funding BY\$ - BASELINE/BLU-108
3020 | Procurement | Missile Procurement, Air Force

Fiscal Year	Quantity	End Item Recurring Flyaway BY 1990 \$M	Non End Item Recurring Flyaway BY 1990 \$M	Non Recurring Flyaway BY 1990 \$M	Total Flyaway BY 1990 \$M	Total Support BY 1990 \$M	Total Program BY 1990 \$M
1998	45	17.4	--	--	17.4	--	17.4
1999	86	21.9	--	3.4	25.3	1.6	26.9
2000	74	15.9	--	2.5	18.4	3.4	21.8
2001	--	--	--	17.1	17.1	5.1	22.2
2002	--	--	--	7.5	7.5	0.4	7.9
2003	22	7.2	--	2.1	9.3	0.1	9.4
2004	307	55.6	--	3.3	58.9	0.2	59.1
Subtotal	534	118.0	--	35.9	153.9	10.8	164.7

Annual Funding By Appropriation - UNITARY

Annual Funding TY\$ - UNITARY

1319 | RDT&E | Research, Development, Test, and Evaluation, Navy

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
1992	--	--	--	--	--	--	1.9
1993	--	--	--	--	--	--	4.6
1994	--	--	--	--	--	--	2.4
1995	--	--	--	--	--	--	10.3
1996	--	--	--	--	--	--	30.9
1997	--	--	--	--	--	--	47.0
1998	--	--	--	--	--	--	65.9
1999	--	--	--	--	--	--	39.5
2000	--	--	--	--	--	--	28.2
2001	--	--	--	--	--	--	26.7
2002	--	--	--	--	--	--	30.4
2003	--	--	--	--	--	--	16.8
2004	--	--	--	--	--	--	--
2005	--	--	--	--	--	--	10.6
2006	--	--	--	--	--	--	14.2
2007	--	--	--	--	--	--	26.8
2008	--	--	--	--	--	--	30.8
2009	--	--	--	--	--	--	21.8
2010	--	--	--	--	--	--	11.6
2011	--	--	--	--	--	--	12.5
2012	--	--	--	--	--	--	7.3
2013	--	--	--	--	--	--	5.5
2014	--	--	--	--	--	--	0.4
2015	--	--	--	--	--	--	0.4
2016	--	--	--	--	--	--	0.4
2017	--	--	--	--	--	--	0.5
2018	--	--	--	--	--	--	0.5

2019	--	--	--	--	--	--	0.6
2020	--	--	--	--	--	--	0.6
2021	--	--	--	--	--	--	0.6
2022	--	--	--	--	--	--	0.6
Subtotal	--	--	--	--	--	--	450.3

Annual Funding BY\$ - UNITARY**1319 | RDT&E | Research, Development, Test, and Evaluation, Navy**

Fiscal Year	Quantity	End Item Recurring Flyaway BY 1990 \$M	Non End Item Recurring Flyaway BY 1990 \$M	Non Recurring Flyaway BY 1990 \$M	Total Flyaway BY 1990 \$M	Total Support BY 1990 \$M	Total Program BY 1990 \$M
1992	--	--	--	--	--	--	1.7
1993	--	--	--	--	--	--	4.1
1994	--	--	--	--	--	--	2.1
1995	--	--	--	--	--	--	8.9
1996	--	--	--	--	--	--	26.2
1997	--	--	--	--	--	--	39.4
1998	--	--	--	--	--	--	54.8
1999	--	--	--	--	--	--	32.4
2000	--	--	--	--	--	--	22.8
2001	--	--	--	--	--	--	21.3
2002	--	--	--	--	--	--	24.0
2003	--	--	--	--	--	--	13.1
2004	--	--	--	--	--	--	--
2005	--	--	--	--	--	--	7.8
2006	--	--	--	--	--	--	10.2
2007	--	--	--	--	--	--	18.7
2008	--	--	--	--	--	--	21.1
2009	--	--	--	--	--	--	14.8
2010	--	--	--	--	--	--	7.7
2011	--	--	--	--	--	--	8.1
2012	--	--	--	--	--	--	4.7
2013	--	--	--	--	--	--	3.4
2014	--	--	--	--	--	--	0.2
2015	--	--	--	--	--	--	0.2
2016	--	--	--	--	--	--	0.2
2017	--	--	--	--	--	--	0.3
2018	--	--	--	--	--	--	0.3
2019	--	--	--	--	--	--	0.3
2020	--	--	--	--	--	--	0.3

2021	--	--	--	--	--	--	0.3
2022	--	--	--	--	--	--	0.3
Subtotal	--	--	--	--	--	--	349.7

Annual Funding TY\$ - UNITARY
1507 | Procurement | Weapons Procurement, Navy

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
2001	--	--	--	4.5	4.5	--	4.5
2002	--	--	--	--	--	--	--
2003	42	29.1	--	5.8	34.9	--	34.9
2004	97	39.4	--	7.7	47.1	--	47.1
2005	189	66.4	--	11.9	78.3	0.3	78.6
2006	420	119.7	--	22.4	142.1	2.4	144.5
2007	388	112.0	--	11.3	123.3	1.0	124.3
2008	370	117.2	--	11.2	128.4	0.9	129.3
2009	281	124.1	--	19.2	143.3	0.6	143.9
2010	313	125.9	--	15.3	141.2	0.8	142.0
2011	225	117.9	--	10.5	128.4	0.8	129.2
2012	246	119.6	--	11.5	131.1	0.8	131.9
2013	280	119.1	--	8.0	127.1	0.7	127.8
2014	328	126.3	--	8.6	134.9	2.2	137.1
2015	431	156.0	--	9.7	165.7	2.6	168.3
2016	432	158.2	--	9.9	168.1	2.6	170.7
2017	440	161.0	--	10.0	171.0	2.7	173.7
2018	496	178.2	--	11.3	189.5	8.1	197.6
2019	506	185.2	--	11.8	197.0	8.9	205.9
2020	506	189.8	--	12.0	201.8	3.5	205.3
2021	505	193.7	--	12.3	206.0	3.5	209.5
2022	505	197.9	--	12.7	210.6	3.7	214.3
Subtotal	7000	2636.7	--	237.6	2874.3	46.1	2920.4

Annual Funding BY\$ - UNITARY
1507 | Procurement | Weapons Procurement, Navy

Fiscal Year	Quantity	End Item Recurring Flyaway BY 1990 \$M	Non End Item Recurring Flyaway BY 1990 \$M	Non Recurring Flyaway BY 1990 \$M	Total Flyaway BY 1990 \$M	Total Support BY 1990 \$M	Total Program BY 1990 \$M
2001	--	--	--	3.6	3.6	--	3.6
2002	--	--	--	--	--	--	--
2003	42	22.3	--	4.4	26.7	--	26.7
2004	97	29.3	--	5.7	35.0	--	35.0
2005	189	48.0	--	8.6	56.6	0.2	56.8
2006	420	84.4	--	15.8	100.2	1.7	101.9
2007	388	77.3	--	7.8	85.1	0.7	85.8
2008	370	79.6	--	7.6	87.2	0.6	87.8
2009	281	83.1	--	12.8	95.9	0.4	96.3
2010	313	82.8	--	10.0	92.8	0.5	93.3
2011	225	75.8	--	6.8	82.6	0.5	83.1
2012	246	75.4	--	7.3	82.7	0.5	83.2
2013	280	73.7	--	5.0	78.7	0.4	79.1
2014	328	76.7	--	5.1	81.8	1.4	83.2
2015	431	93.0	--	5.7	98.7	1.6	100.3
2016	432	92.5	--	5.8	98.3	1.5	99.8
2017	440	92.4	--	5.7	98.1	1.6	99.7
2018	496	100.3	--	6.4	106.7	4.6	111.3
2019	506	102.3	--	6.5	108.8	5.0	113.8
2020	506	102.9	--	6.5	109.4	1.9	111.3
2021	505	103.1	--	6.5	109.6	1.9	111.5
2022	505	103.4	--	6.5	109.9	2.0	111.9
Subtotal	7000	1598.3	--	150.1	1748.4	27.0	1775.4

Low Rate Initial Production

BASELINE/BLU-108

	Initial LRIP Decision	Current Total LRIP
Approval Date	6/23/1992	6/23/1992
Approved Quantity	291	291
Reference	ADM	ADM
Start Year	1997	1997
End Year	1999	1999

Low Rate Initial Production (LRIP) quantity of 291 (includes 280 for JSOW-A and 11 for JSOW-B) was approved at Milestone II in June 1992. This does not represent 10% or more of the planned buy quantities.

UNITARY

	Initial LRIP Decision	Current Total LRIP
Approval Date	4/26/1995	4/26/1995
Approved Quantity	139	139
Reference	ADM	ADM
Start Year	2003	2003
End Year	2006	2006

Low Rate Initial Production (LRIP) quantities of 139 approved at Milestone II in April 1995. This does not represent 10% or more of the planned buy quantities.

Foreign Military Sales

BASELINE/BLU-108

Country	Date of Sale	Quantity	Total Cost \$M	Memo
Turkey	11/15/2005	0	4.9	United States (US) Navy Case TK-P-GIU - Turkey; JSOW integration on the Turkish Air Force (TuAF) General Avionics Computer based Block-40 F-16 aircraft; Total Case Value: \$4,955,940.00
Turkey	11/15/2005	50	26.4	US Navy Case TK-P-AID - Turkey; 50 AGM-154A-1; 54 AGM-154C Total Case Value: \$26,422,774.00

UNITARY

Country	Date of Sale	Quantity	Total Cost \$M	Memo
Australia	6/25/2009	55	29.8	United States (US) Navy Case XX-P-AYG - Australia; 55 AGM-154C-1; Total Case Value: \$29,853,224.00
Finland	6/5/2009	11	8.9	US Navy Case FI-P-LBD - Finland; 11 AGM-154C; Total Case Value \$8,897,122.95
Australia	3/31/2008	15	17.2	US Navy Case XX-P-AYI - Australia; 15 AGM-154C; Total Case Value: \$17,161,962.00 (per definitization mod P00026)
Greece	1/31/2007	40	13.3	US Navy Case GR-P-ANQ - Greece; 40 AGM-154C (Unitary) weapons; Total Case Value \$13,294,755.14
Greece	12/13/2005	0	3.2	US Air Force Case GR-D-SNY - Greece; Greece integration case; Total Case Value \$1,932,022,845.00; JSOW Case Value portion \$3,178,646.59
Turkey	11/15/2005	54	26.4	US Navy Case TK-P-AID - Turkey; 50 AGM-154A-1; 54 AGM-154C Total Case Value: \$26,442,774.00
Poland	4/18/2003	80	27.4	US Air Force Case PL-D-SAC - Poland; 80 AGM-154C (Unitary) weapons; Total Case Value \$27,428,861.80; DD Form 1513, Line 007

Total cost dollars may increase or decrease based on scope changes in follow-on support work.

Nuclear Cost

BASELINE/BLU-108

None

UNITARY

None

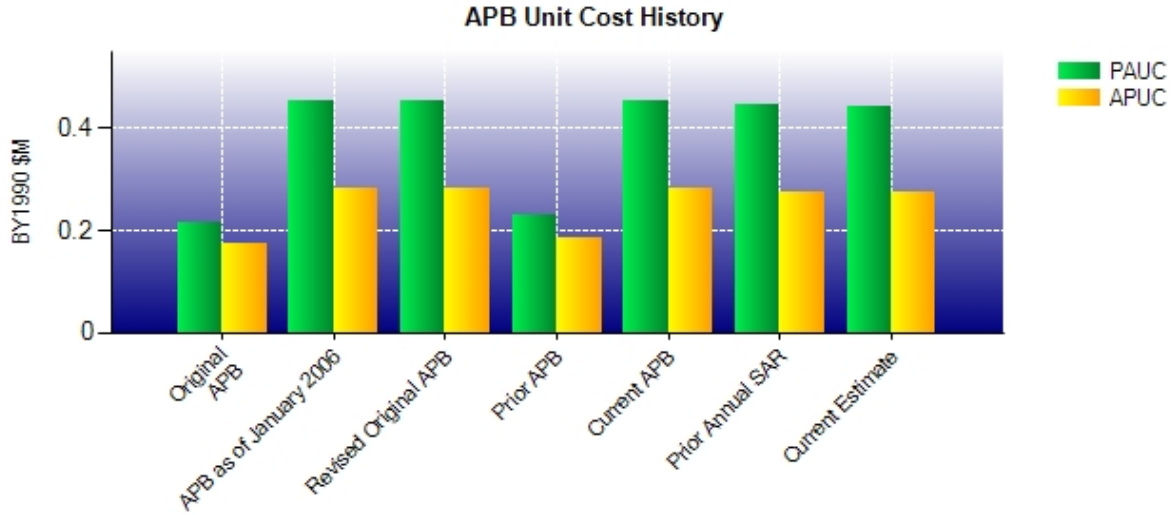
Unit Cost**BASELINE/BLU-108****Unit Cost Report**

	BY1990 \$M	BY1990 \$M	
Unit Cost	Current UCR Baseline (DEC 2004 APB)	Current Estimate (DEC 2012 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	1505.8	1477.1	
Quantity	3334	3334	
Unit Cost	0.452	0.443	-1.99
Average Procurement Unit Cost (APUC)			
Cost	941.7	913.5	
Quantity	3334	3334	
Unit Cost	0.282	0.274	-2.84

	BY1990 \$M	BY1990 \$M	
Unit Cost	Revised Original UCR Baseline (DEC 2004 APB)	Current Estimate (DEC 2012 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	1505.8	1477.1	
Quantity	3334	3334	
Unit Cost	0.452	0.443	-1.99
Average Procurement Unit Cost (APUC)			
Cost	941.7	913.5	
Quantity	3334	3334	
Unit Cost	0.282	0.274	-2.84

BASELINE/BLU-108

Unit Cost History



	Date	BY1990 \$M		TY \$M	
		PAUC	APUC	PAUC	APUC
Original APB	JUN 1992	0.214	0.175	0.337	0.292
APB as of January 2006	AUG 2009	0.452	0.282	0.564	0.370
Revised Original APB	DEC 2004	0.452	0.282	0.564	0.370
Prior APB	MAY 2004	0.231	0.184	0.316	0.261
Current APB	AUG 2009	0.452	0.282	0.564	0.370
Prior Annual SAR	DEC 2011	0.444	0.275	0.562	0.369
Current Estimate	DEC 2012	0.443	0.274	0.562	0.369

SAR Unit Cost History

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

Initial PAUC Dev Est	Changes								PAUC Prod Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.340	-0.030	-0.060	0.000	0.000	0.064	0.000	-0.010	-0.036	0.304

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

PAUC Prod Est	Changes								PAUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.304	-0.009	0.204	0.121	0.031	-0.083	0.000	-0.006	0.258	0.562

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

Initial APUC Dev Est	Changes								APUC Prod Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.290	-0.030	-0.040	0.000	0.000	0.052	0.000	-0.010	-0.028	0.262

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

APUC Prod Est	Changes								APUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.262	-0.010	0.044	0.121	0.018	-0.060	0.000	-0.006	0.107	0.369

SAR Baseline History

Item/Event	SAR Planning Estimate (PE)	SAR Development Estimate (DE)	SAR Production Estimate (PdE)	Current Estimate
Milestone I	JUN 1989	JUN 1989	JUN 1989	JUN 1989
Milestone II	MAR 1991	APR 1992	APR 1995	JUN 1992
Milestone III	JUN 1994	JUL 1998	OCT 2001	OCT 1998
IOC	SEP 1995	JUL 1998	SEP 2002	JAN 1999
Total Cost (TY \$M)	260.0	2969.2	4898.7	1874.8
Total Quantity	N/A	8800	16124	3334
Prog. Acq. Unit Cost (PAUC)	N/A	0.337	0.304	0.562

UNITARY**Unit Cost Report**

	BY1990 \$M	BY1990 \$M	
Unit Cost	Current UCR Baseline (AUG 2009 APB)	Current Estimate (DEC 2012 SAR)	BY % Change

Program Acquisition Unit Cost (PAUC)

Cost	2018.7	2125.1	
Quantity	7000	7000	
Unit Cost	0.288	0.304	+5.56

Average Procurement Unit Cost (APUC)

Cost	1695.0	1775.4	
Quantity	7000	7000	
Unit Cost	0.242	0.254	+4.96

	BY1990 \$M	BY1990 \$M	
Unit Cost	Original UCR Baseline (APR 1995 APB)	Current Estimate (DEC 2012 SAR)	BY % Change

Program Acquisition Unit Cost (PAUC)

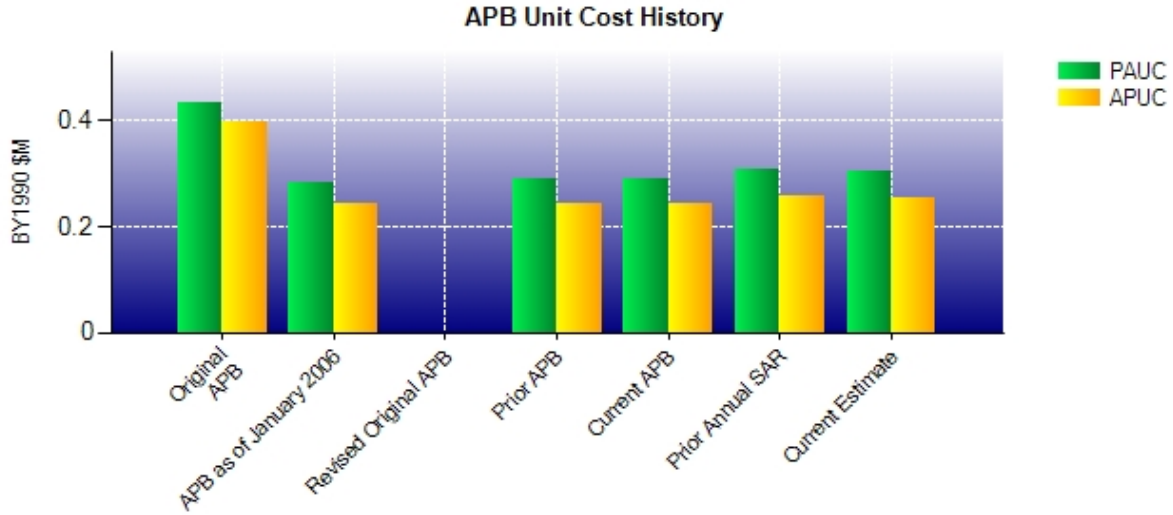
Cost	3360.9	2125.1	
Quantity	7800	7000	
Unit Cost	0.431	0.304	-29.47

Average Procurement Unit Cost (APUC)

Cost	3103.7	1775.4	
Quantity	7800	7000	
Unit Cost	0.398	0.254	-36.18

UNITARY

Unit Cost History



	Date	BY1990 \$M		TY \$M	
		PAUC	APUC	PAUC	APUC
Original APB	APR 1995	0.431	0.398	0.809	0.766
APB as of January 2006	DEC 2004	0.283	0.242	0.425	0.375
Revised Original APB	N/A	N/A	N/A	N/A	N/A
Prior APB	FEB 2008	0.288	0.242	0.434	0.375
Current APB	AUG 2009	0.288	0.242	0.434	0.375
Prior Annual SAR	DEC 2011	0.306	0.257	0.482	0.418
Current Estimate	DEC 2012	0.304	0.254	0.482	0.417

SAR Unit Cost History

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

Initial PAUC Dev Est	Changes								PAUC Prod Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.809	-0.054	0.041	-0.014	0.098	-0.414	0.000	-0.041	-0.384	0.425

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

PAUC Prod Est	Changes								PAUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.425	0.020	0.000	0.022	0.095	-0.083	0.000	0.003	0.057	0.482

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

Initial APUC Dev Est	Changes								APUC Prod Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.766	-0.051	0.035	-0.014	0.092	-0.412	0.000	-0.041	-0.391	0.375

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

APUC Prod Est	Changes								APUC Current Est
	Econ	Qty	Sch	Eng	Est	Oth	Spt	Total	
0.375	0.020	0.000	0.021	0.088	-0.090	0.000	0.003	0.042	0.417

SAR Baseline History

Item/Event	SAR Planning Estimate (PE)	SAR Development Estimate (DE)	SAR Production Estimate (PdE)	Current Estimate
Milestone I	N/A	N/A	N/A	N/A
Milestone II	N/A	APR 1995	APR 1995	APR 1995
Milestone III	N/A	SEP 2002	DEC 2004	DEC 2004
IOC	N/A	SEP 2002	AUG 2004	FEB 2005
Total Cost (TY \$M)	N/A	6307.2	2974.8	3370.7
Total Quantity	N/A	7800	7000	7000
Prog. Acq. Unit Cost (PAUC)	N/A	0.809	0.425	0.482

Cost Variance**BASELINE/BLU-108**

Summary Then Year \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	645.0	4225.1	28.6	4898.7
Previous Changes				
Economic	+1.5	-36.1	--	-34.6
Quantity	--	-3204.5	--	-3204.5
Schedule	--	+394.9	+0.4	+395.3
Engineering	+44.1	+59.9	--	+104.0
Estimating	-47.0	-188.4	-29.0	-264.4
Other	--	--	--	--
Support	--	-21.2	--	-21.2
Subtotal	-1.4	-2995.4	-28.6	-3025.4
Current Changes				
Economic	--	+3.9	--	+3.9
Quantity	--	--	--	--
Schedule	--	+8.8	--	+8.8
Engineering	--	--	--	--
Estimating	--	-11.8	--	-11.8
Other	--	--	--	--
Support	--	+0.6	--	+0.6
Subtotal	--	+1.5	--	+1.5
Total Changes	-1.4	-2993.9	-28.6	-3023.9
CE - Cost Variance	643.6	1231.2	--	1874.8
CE - Cost & Funding	643.6	1231.2	--	1874.8

Summary Base Year 1990 \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	554.0	2990.5	21.8	3566.3
Previous Changes				
Economic	--	--	--	--
Quantity	--	-2059.3	--	-2059.3
Schedule	--	+5.9	--	+5.9
Engineering	+33.1	+43.5	--	+76.6
Estimating	-23.5	-50.1	-21.8	-95.4
Other	--	--	--	--
Support	--	-13.5	--	-13.5
Subtotal	+9.6	-2073.5	-21.8	-2085.7
Current Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	+2.5	--	+2.5
Engineering	--	--	--	--
Estimating	--	-6.3	--	-6.3
Other	--	--	--	--
Support	--	+0.3	--	+0.3
Subtotal	--	-3.5	--	-3.5
Total Changes	+9.6	-2077.0	-21.8	-2089.2
CE - Cost Variance	563.6	913.5	--	1477.1
CE - Cost & Funding	563.6	913.5	--	1477.1

Previous Estimate: December 2011

Procurement	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	+3.9
Stretch-out of Baseline/BLU-108 procurement buy profile from FY 2022 to FY 2023 (Navy). (Schedule)	0.0	+5.1
Additional cost associated with the stretch-out of Baseline/BLU-108 procurement buy from FY 2022 to FY 2023. (Schedule)	+2.5	+3.7
Revised estimate to reflect application of new escalation indices. (Estimating)	-2.1	-3.9
Revised estimate to reflect saving on common parts with the Unitary subprogram. (Estimating)	-4.2	-7.9
Increase in Other Support due to loss of synergies between the Baseline and Unitary subprograms in FY 2023 (Navy). (Support)	+0.3	+0.6
Procurement Subtotal	-3.5	+1.5

Cost Variance**UNITARY**

Summary Then Year \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	347.5	2627.3	--	2974.8
Previous Changes				
Economic	+3.2	+108.2	--	+111.4
Quantity	--	--	--	--
Schedule	+7.5	+144.1	--	+151.6
Engineering	+46.7	+616.0	--	+662.7
Estimating	+43.7	-559.2	--	-515.5
Other	--	--	--	--
Support	--	-11.6	--	-11.6
Subtotal	+101.1	+297.5	--	+398.6
Current Changes				
Economic	+0.5	+30.5	--	+31.0
Quantity	--	--	--	--
Schedule	--	+2.3	--	+2.3
Engineering	--	--	--	--
Estimating	+1.2	-68.3	--	-67.1
Other	--	--	--	--
Support	--	+31.1	--	+31.1
Subtotal	+1.7	-4.4	--	-2.7
Total Changes	+102.8	+293.1	--	+395.9
CE - Cost Variance	450.3	2920.4	--	3370.7
CE - Cost & Funding	450.3	2920.4	--	3370.7

Summary Base Year 1990 \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	282.8	1695.0	--	1977.8
Previous Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	+4.9	+48.5	--	+53.4
Engineering	+31.1	+378.0	--	+409.1
Estimating	+29.9	-317.3	--	-287.4
Other	--	--	--	--
Support	--	-8.0	--	-8.0
Subtotal	+65.9	+101.2	--	+167.1
Current Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	+1.0	-38.4	--	-37.4
Other	--	--	--	--
Support	--	+17.6	--	+17.6
Subtotal	+1.0	-20.8	--	-19.8
Total Changes	+66.9	+80.4	--	+147.3
CE - Cost Variance	349.7	1775.4	--	2125.1
CE - Cost & Funding	349.7	1775.4	--	2125.1

Previous Estimate: December 2011

RDT&E	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	+0.5
Adjustment for current and prior escalation. (Estimating)	-0.2	-0.4
Revised estimate to reflect application of new escalation indices. (Estimating)	0.0	-0.1
Additional funding resulting from Below Threshold Reprogramming for increased costs associated with Joint Standoff Weapon C-1 development program. (Estimating)	+1.3	+2.0
Revised estimate based on release of President's Budget FY 2014 budget controls. (Estimating)	-0.1	-0.3
RDT&E Subtotal	+1.0	+1.7

Procurement	\$M	
Current Change Explanations	Base Year	Then Year
Revised escalation indices. (Economic)	N/A	+30.5
Stretch-out of procurement buy profile due to budgetary marks realigning quantities outside the Future Years Defense Program (FYDP). (Schedule)	0.0	+2.3
Revised estimate to reflect application of new escalation indices. (Estimating)	-15.0	-26.9
Adjustment for current and prior escalation. (Estimating)	-2.3	-3.6
Engineering Change Order estimates were reduced from 2% to 1% of the total procurement funding in FY 2014 through FY 2022 due to the maturity of the program. (Estimating)	-11.0	-19.6
Revised estimate due to Below Threshold Reprogramming. (Estimating)	-0.5	-0.7
Increase in unit cost due to quantity reduction. (Estimating)	+1.4	+2.7
Revised Command and Launch estimate due to efficiencies realized in current execution profiles. (Estimating)	-1.8	-3.1
Revised estimate to reflect economies of scale unit cost savings. (Estimating)	-9.2	-17.1
Increase in Other Support due to Fleet requirement for a Captive Air Training Missile. (Support)	+17.0	+30.5
Increase in Initial Spares. (Support)	+0.6	+0.6
Procurement Subtotal	-20.8	-4.4

Contracts

Appropriation: Procurement

Contract Name **AGM-154C FY07/08/09/10 Production**
 Contractor Raytheon Company
 Contractor Location 1151 E Hermans Road
 Tucson, AZ 85706
 Contract Number, Type N00019-07-C-0093, FFP
 Award Date January 31, 2007
 Definitization Date January 31, 2007

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
101.1	N/A	388	462.5	N/A	1351	462.5	462.5

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP contract.

Contract Comments

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to the annual procurement of JSOW-C/C-1 production buys.

This contract is more than 90% complete; therefore, this is the final report for this contract.

Appropriation: Procurement

Contract Name **AGM-154C-1 FY11/12 Production**
 Contractor Raytheon Company
 Contractor Location 1151 E Hermans Rd
 Tucson, AZ 85706
 Contract Number, Type N00019-11-C-0032, FFP
 Award Date July 28, 2011
 Definitization Date July 28, 2011

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
85.6	N/A	226	175.7	N/A	473	175.7	175.7

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP contract.

Contract Comments

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to the exercise of the FY 2012 production option and the procurement of 21 additional weapons after continuing resolution ended to meet budgeted quantity.

Deliveries and Expenditures

BASELINE/BLU-108

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	0	0	0	--
Production	2517	2517	3334	75.49%
Total Program Quantities Delivered	2517	2517	3334	75.49%

Expenditures and Appropriations (TY \$M)

Total Acquisition Cost	1874.8	Years Appropriated	27
Expenditures To Date	1659.3	Percent Years Appropriated	72.97%
Percent Expended	88.51%	Appropriated to Date	1659.9
Total Funding Years	37	Percent Appropriated	88.54%

The above data is current as of 3/6/2013.

UNITARY

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	0	0	0	--
Production	2199	2230	7000	31.86%
Total Program Quantities Delivered	2199	2230	7000	31.86%

Expenditures and Appropriations (TY \$M)

Total Acquisition Cost	3370.7	Years Appropriated	22
Expenditures To Date	1386.5	Percent Years Appropriated	70.97%
Percent Expended	41.13%	Appropriated to Date	1683.7
Total Funding Years	31	Percent Appropriated	49.95%

The above data is current as of 3/6/2013.

Operating and Support Cost

BASELINE/BLU-108

Assumptions and Ground Rules

Cost Estimate Reference:

JSOW Dispenser Program Life Cycle Cost Estimate prepared to support JSOW-C Milestone-III December 15, 2004.

Sustainment Strategy:

Estimate is based on 3,334 Baseline/BLU-108 Weapons.

5 JSOW surveillance firings every other year.

Deployed aboard 8 Carrier Battle Group each year - 75 JSOW per Carrier.

20-year missile shelf life.

Single-tier maintenance approach (Depot-Level) at the contractor facility.

JSOW is awaiting a decision on cluster munitions prior to updating the Baseline/BLU-108 O&S estimate. JSOW Baseline/BLU-108 will either be disposed of or retro-fitted with a new payload with an extended service life.

Antecedent Information:

There is no antecedent system.

Unitized O&S Costs BY1990 \$M			
Cost Element	BASELINE/BLU-108 Avg Annual Cost For All Weapons	No Antecedent (Antecedent) System	
Unit-Level Manpower	0.2		0.0
Unit Operations	0.0		0.0
Maintenance	5.9		0.0
Sustaining Support	2.0		0.0
Continuing System Improvements	2.3		0.0
Indirect Support	0.0		0.0
Other	0.0		0.0
Total	10.4		--

Unitized Cost Comments:

JSOW service life is assumed as 20 years.

Total O&S Cost \$M					
Current Production APB Objective/Threshold			Current Estimate		
BASELINE/BLU-108			BASELINE/BLU-108	No Antecedent (Antecedent)	
Base Year	0.0	0.0	208.9	N/A	
Then Year	0.0	N/A	396.4	N/A	

Total O&S Costs Comments:

As a result of Department of Defense directives, JSOW Baseline units are neither being procured or repaired at this time.

Disposal Costs

Demilitarization will occur at the end of the 20 year shelf life at an estimated cost of \$13.9M.

UNITARY**Assumptions and Ground Rules**Cost Estimate Reference:

JSOW Unitary O&S Estimate updated for PB14 by NAVAIR 4.2.

Sustainment Strategy:

- Estimate based on 7,000 Unitary weapons.
- Single-tier maintenance approach (Depot Level) at contractor facility.
- 20-year missile operating life.
- No warranty.
- No additional Unit Operations, Unit-Level Manpower, or Indirect Support were required with the release of the JSOW Unitary variant.

Antecedent Information:

There is no antecedent system.

Unitized O&S Costs BY1990 \$M		
Cost Element	UNITARY Avg Annual Cost For All Weapons	No Antecedent (Antecedent) System
Unit-Level Manpower	0.0	0.0
Unit Operations	0.0	0.0
Maintenance	1.4	0.0
Sustaining Support	3.2	0.0
Continuing System Improvements	3.2	0.0
Indirect Support	0.0	0.0
Other	0.0	0.0
Total	7.8	--

Unitized Cost Comments:

The Unitary shelf life is assumed as 20 years.

Total O&S Cost \$M					
Current Production APB Objective/Threshold			Current Estimate		
UNITARY			UNITARY	No Antecedent (Antecedent)	
Base Year	0.0	0.0	155.8	N/A	
Then Year	0.0	N/A	325.5	N/A	

Total O&S Costs Comments:

Estimate was updated in December 2012 to reflect actual expenditure profiles.

Disposal Costs

Disposal assumed after 20 year shelf life is complete at an estimated cost of \$12.7M.