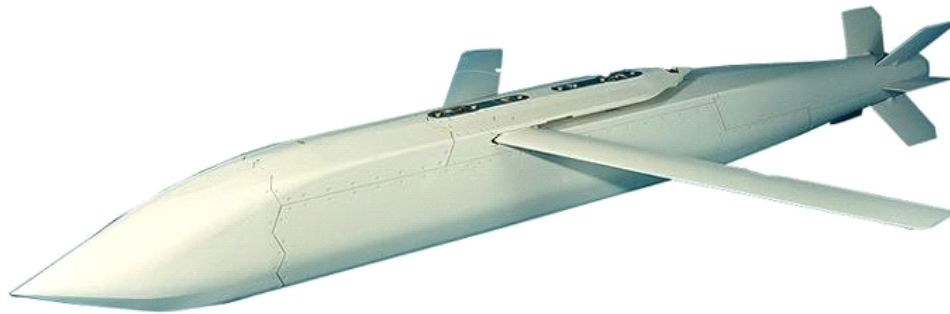




Selected Acquisition Report (SAR)

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



JSOW (BASELINE/UNITARY)

As of December 31, 2011

Defense Acquisition Management
Information Retrieval
(DAMIR)

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Program Information

Designation And Nomenclature (Popular 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)

Defense Acquisition Executive (DAE) 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 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 (AGM-154) 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 427 weapons delivered through December 2011.

JSOW C-1 (AGM-154C-1) is an Engineering Change Proposal (ECP) modification to the JSOW-C Unitary variant which updates obsolete seeker hardware/software and adds a datalink to address the warfighter's Maritime Interdiction Capability Requirement. The ECP effort experienced schedule challenges due mainly to the datalink development which impacted system-level software development and integration/test progress. The contract was re-baselined in October 2010 in order to align the schedule with the latest revised forecast with Initial Operational Capability (IOC) in FY 2013. The JSOW C-1 program has successfully demonstrated end-to-end system functionality from pre-flight to target impact during the completion of two free-flights marking the completion of the developmental testing phase. Additionally, 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 program will enter integrated testing in 2012, followed by operational testing scheduled for 2013.

The JSOW program continues to meet all Capability Production Document (CPD) and Acquisition Program Baseline (APB) cost, schedule and performance thresholds.

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

Threshold Breaches

BASELINE/BLU-108

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

- Schedule
- Performance
- Cost
 - RDT&E
 - Procurement
 - MILCON
 - Acq O&M
- Unit Cost
 - PAUC
 - APUC

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

- Current UCR Baseline**
 - PAUC None
 - APUC None
- Original UCR Baseline**
 - PAUC None
 - APUC None

UNITARY

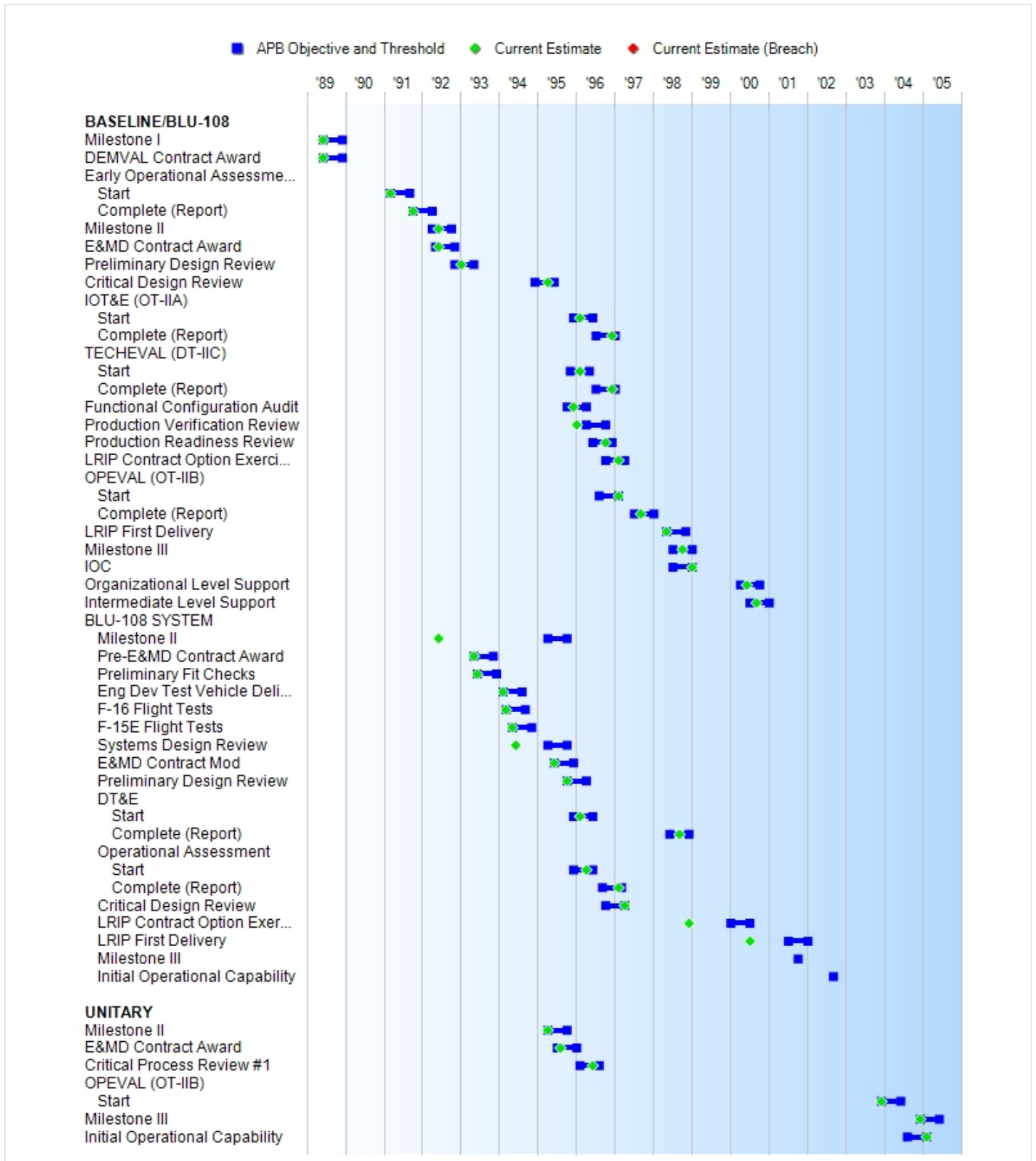
APB Breaches		
---------------------	--	--

- Schedule
- Performance
- Cost
 - RDT&E
 - Procurement
 - MILCON
 - Acq O&M
- Unit Cost
 - PAUC
 - APUC

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

- Current UCR Baseline**
 - PAUC None
 - APUC None
- Original UCR Baseline**
 - PAUC None
 - APUC None

Schedule



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
Preliminary Design Review	NOV 1992	NOV 1992	MAY 1993	JAN 1993
Critical Design Review	DEC 1994	DEC 1994	JUN 1995	APR 1995
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
Functional Configuration Audit	OCT 1995	OCT 1995	APR 1996	DEC 1995
Production Verification Review	APR 1996	APR 1996	OCT 1996	JAN 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
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

BASELINE/BLU-108 cont.				
Milestones	SAR Baseline Prod Est	Current APB Production Objective/Threshold		Current Estimate
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

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
 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)	TBD	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)	TBD	>or=15 (200 ft MSL, .8 IMN)
High (NM @ 30K ft MSL, .8 IMN)	>50	>50	>40	TBD	>50

Requirements Source:

JSOW 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
 TBD - To Be Determined

Change Explanations

None

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	(Ch-1)
Weapon (Air Vehicle) (ft)	70	70	91	35.4	35.4	(Ch-2)
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)	(Ch-3)
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)	(Ch-4)
Accuracy, (SEP) Weapon (ft)	N/A	10	20	TBD	10	
Weapon Data Link	N/A	3rd Party compatible waveform	IFTU from F/A-18 E/F	3rd Party compatible waveform in laboratory and ground tests. Flight testing continues	3rd Party compatible waveform	
Material Availability (Sustainment)	N/A	>or=.95	>or=.95	99.1	>or=.95	
Net-Ready KPP	N/A	Std Definition	Std Definition	Std Definition	Std Definition	

Requirements Source:

The current requirement source for JSOW Unitary is the Capability Production Document (CPD) approved as part of the Joint Requirements Oversight Council Memorandum (JROCM) 018-09 approved February 2, 2009.

Acronyms And Abbreviations

CEP - Circular Error Probable

ft - Feet

IAW - In Accordance With

IFTU - In-Flight Target Update

IMN - Indicated Mach Number

K - Thousand

KPP - Key Performance Parameter

MSL - Mean Sea Level

N/A - Not Applicable
NM - Nautical Mile
SEP - Spherical Error Probable
Spec - Specification
Std - Standard
Sys - System
TBD - To Be Determined

Change Explanations

(Ch-1) Weapon Accuracy CEP (ft) changed from TBD to 4.49 to match value demonstrated during developmental testing for JSOW-C

(Ch-2) Weapon (Air Vehicle) CEP (ft) changed from TBD to 35.4 to match value demonstrated during testing for JSOW-C

(Ch-3) Range at Low Altitude (NM) changed from TBD to 12 NM to match value demonstrated during simulation testing for JSOW C

(Ch-4) Range at High Altitude (NM) changed from TBD to 50 NM to match value demonstrated during simulation testing for JSOW-C

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)

Track To Budget**UNITARY****RDT&E**

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

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	--	912.3	992.5	1052.9	1092.2
Procurement	4685.5	2636.7	--	2713.2	6852.4	3862.5	4154.5
Flyaway	4633.0	--	--	2682.2	6780.2	--	4112.1
Recurring	4369.4	--	--	2352.4	6389.9	--	3642.4
Non Recurring	263.6	--	--	329.8	390.3	--	469.7
Support	52.5	--	--	31.0	72.2	--	42.4
Other Support	51.6	--	--	27.8	71.0	--	37.3
Initial Spares	0.9	--	--	3.2	1.2	--	5.1
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	5544.1	3524.5	N/A	3625.5	7873.5	4915.4	5246.7

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	917.0	4225.1	1235.2	1229.7
Flyaway	2955.4	--	--	895.4	4179.8	--	1202.3
Recurring	2876.7	--	--	718.4	4075.8	--	972.4
Non Recurring	78.7	--	--	177.0	104.0	--	229.9
Support	35.1	--	--	21.6	45.3	--	27.4
Other Support	34.2	--	--	20.8	44.1	--	26.3
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	1480.6	4898.7	1878.8	1873.3

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	348.7	347.5	409.3	448.6
Procurement	1695.0	1695.0	1864.5	1796.2	2627.3	2627.3	2924.8
Flyaway	1677.6	--	--	1786.8	2600.4	--	2909.8
Recurring	1492.7	--	--	1634.0	2314.1	--	2670.0
Non Recurring	184.9	--	--	152.8	286.3	--	239.8
Support	17.4	--	--	9.4	26.9	--	15.0
Other Support	17.4	--	--	7.0	26.9	--	11.0
Initial Spares	0.0	--	--	2.4	0.0	--	4.0
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	1977.8	2018.7	N/A	2144.9	2974.8	3036.6	3373.4

Confidence Level For the Current APB Cost 60% - Based on risk analysis, the opportunity exists to reduce fixed labor cost with the prime contractor as JSOW C-1 production matures.

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
FY2013 President's Budget / December 2011 SAR (TY\$ M)**

Appropriation	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	To Complete	Total
RDT&E	1074.5	7.5	5.5	0.4	0.4	0.4	0.5	3.0	1092.2
Procurement	1995.2	131.9	127.8	150.7	170.0	172.4	175.4	1231.1	4154.5
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	3069.7	139.4	133.3	151.1	170.4	172.8	175.9	1234.1	5246.7
PB 2012 Total	3070.0	145.4	148.6	167.8	170.2	172.7	193.0	1245.4	5313.1
Delta	-0.3	-6.0	-15.3	-16.7	0.2	0.1	-17.1	-11.3	-66.4

Cost and Funding**Funding Summary - BASELINE/BLU-108**

Appropriation and Quantity Summary - BASELINE/BLU-108
FY2013 President's Budget / December 2011 SAR (TY\$ M)

Appropriation	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	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	213.4	1229.7
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	1659.9	0.0	0.0	0.0	0.0	0.0	0.0	213.4	1873.3
PB 2012 Total	1659.9	0.0	0.0	0.0	0.0	0.0	0.0	240.0	1899.9
Delta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-26.6	-26.6

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	2517	0	0	0	0	0	0	817	3334
PB 2013 Total	0	2517	0	0	0	0	0	0	817	3334
PB 2012 Total	0	2517	0	0	0	0	0	0	817	3334
Delta	0	0	0	0	0	0	0	0	0	0

Funding Summary - UNITARY

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

Appropriation	Prior	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	To Complete	Total
RDT&E	430.9	7.5	5.5	0.4	0.4	0.4	0.5	3.0	448.6
Procurement	978.9	131.9	127.8	150.7	170.0	172.4	175.4	1017.7	2924.8
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	1409.8	139.4	133.3	151.1	170.4	172.8	175.9	1020.7	3373.4
PB 2012 Total	1410.1	145.4	148.6	167.8	170.2	172.7	193.0	1005.4	3413.2
Delta	-0.3	-6.0	-15.3	-16.7	0.2	0.1	-17.1	15.3	-39.8

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	2325	246	280	370	435	436	444	2464	7000
PB 2013 Total	0	2325	246	280	370	435	436	444	2464	7000
PB 2012 Total	0	2323	266	342	414	414	409	472	2360	7000
Delta	0	2	-20	-62	-44	21	27	-28	104	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	165	36.7	--	4.1	40.8	0.1	40.9
2019	164	37.1	--	3.9	41.0	0.2	41.2
2020	161	36.4	--	5.6	42.0	0.2	42.2
2021	162	38.1	--	5.4	43.5	0.2	43.7
2022	165	39.7	--	5.5	45.2	0.2	45.4
Subtotal	2800	820.8	--	184.2	1005.0	13.8	1018.8

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	165	21.0	--	2.3	23.3	0.1	23.4
2019	164	20.8	--	2.2	23.0	0.1	23.1
2020	161	20.1	--	3.1	23.2	0.1	23.3
2021	162	20.7	--	2.9	23.6	0.1	23.7
2022	165	21.1	--	3.0	24.1	0.1	24.2
Subtotal	2800	600.4	--	141.1	741.5	10.8	752.3

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	--	--	--	--	--	--	28.8
2009	--	--	--	--	--	--	21.8
2010	--	--	--	--	--	--	11.6
2011	--	--	--	--	--	--	12.5
2012	--	--	--	--	--	--	7.5
2013	--	--	--	--	--	--	5.5
2014	--	--	--	--	--	--	0.4
2015	--	--	--	--	--	--	0.4
2016	--	--	--	--	--	--	0.4
2017	--	--	--	--	--	--	0.5
2018	--	--	--	--	--	--	0.6
2019	--	--	--	--	--	--	0.6
2020	--	--	--	--	--	--	0.6
2021	--	--	--	--	--	--	0.6
2022	--	--	--	--	--	--	0.6
Subtotal	--	--	--	--	--	--	448.6

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	--	--	--	--	--	--	19.8
2009	--	--	--	--	--	--	14.8
2010	--	--	--	--	--	--	7.7
2011	--	--	--	--	--	--	8.2
2012	--	--	--	--	--	--	4.8
2013	--	--	--	--	--	--	3.5
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	--	--	--	--	--	--	348.7

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	29.4	--	5.8	35.2	--	35.2
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	118.7	--	11.2	129.9	0.9	130.8
2009	281	122.7	--	19.2	141.9	0.6	142.5
2010	313	126.3	--	15.1	141.4	0.8	142.2
2011	225	118.2	--	10.3	128.5	0.7	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	370	141.3	--	8.7	150.0	0.7	150.7
2015	435	159.7	--	9.6	169.3	0.7	170.0
2016	436	161.8	--	9.8	171.6	0.8	172.4
2017	444	164.5	--	10.1	174.6	0.8	175.4
2018	493	181.8	--	11.9	193.7	0.7	194.4
2019	493	186.3	--	12.2	198.5	0.8	199.3
2020	493	190.4	--	12.5	202.9	0.8	203.7
2021	493	194.4	--	12.9	207.3	0.8	208.1
2022	492	198.3	--	13.2	211.5	0.7	212.2
Subtotal	7000	2670.0	--	239.8	2909.8	15.0	2924.8

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	22.5	--	4.4	26.9	--	26.9
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	80.6	--	7.7	88.3	0.6	88.9
2009	281	82.2	--	12.8	95.0	0.4	95.4
2010	313	83.2	--	9.9	93.1	0.5	93.6
2011	225	76.4	--	6.8	83.2	0.4	83.6
2012	246	76.0	--	7.4	83.4	0.5	83.9
2013	280	74.4	--	5.1	79.5	0.4	79.9
2014	370	86.8	--	5.4	92.2	0.4	92.6
2015	435	96.4	--	5.8	102.2	0.4	102.6
2016	436	95.9	--	5.8	101.7	0.5	102.2
2017	444	95.8	--	5.9	101.7	0.4	102.1
2018	493	104.0	--	6.8	110.8	0.4	111.2
2019	493	104.7	--	6.8	111.5	0.5	112.0
2020	493	105.1	--	6.8	111.9	0.5	112.4
2021	493	105.4	--	6.9	112.3	0.5	112.8
2022	492	105.6	--	7.0	112.6	0.4	113.0
Subtotal	7000	1634.0	--	152.8	1786.8	9.4	1796.2

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	Acquisition Decision Memorandum	Acquisition Decision Memorandum
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.

Low Rate Initial Production**UNITARY**

	Initial LRIP Decision	Current Total LRIP
Approval Date	4/26/1995	4/26/1995
Approved Quantity	139	139
Reference	Acquisition Decision Memorandum	Acquisition Decision Memorandum
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
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

Total cost dollars may increase based on annual follow-on support costs.

Foreign Military Sales**UNITARY**

Country	Date of Sale	Quantity	Total Cost \$M	Memo
Australia	6/25/2009	55	29.3	United States (US) Navy Case XX-P-AYG - Australia; 55 AGM-154C-1; Total Case Value: \$29,303,228
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 (per definitization mod P00026)
Greece	1/31/2007	40	15.1	US Navy Case GR-P-ANQ - Greece; 40 AGM-154C (Unitary) weapons; Total Case Value \$15,160,491.00
Greece	12/13/2005	0	4.5	US Air Force Case GR-D-SNY - Greece; Greece integration case; Total Case Value \$1,987,100,000; JSOW Case Value portion \$4,471,425.98
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
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 based on annual follow-on support costs.

Nuclear Cost

BASELINE/BLU-108

None

UNITARY

None

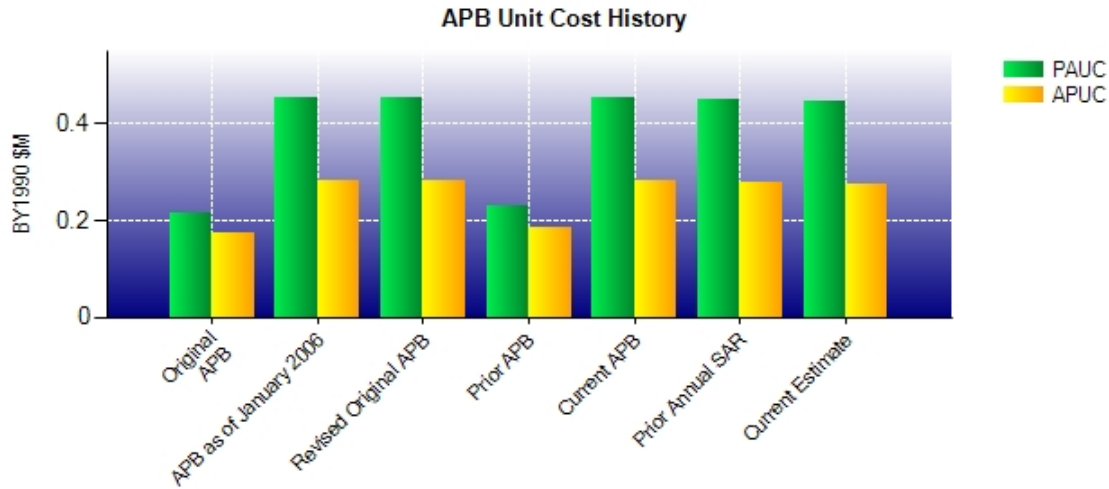
Unit Cost**BASELINE/BLU-108****Unit Cost Report**

	BY1990 \$M	BY1990 \$M	
Unit Cost	Current UCR Baseline (DEC 2004 APB)	Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	1505.8	1480.6	
Quantity	3334	3334	
Unit Cost	0.452	0.444	-1.77
Average Procurement Unit Cost (APUC)			
Cost	941.7	917.0	
Quantity	3334	3334	
Unit Cost	0.282	0.275	-2.48

	BY1990 \$M	BY1990 \$M	
Unit Cost	Revised Original UCR Baseline (DEC 2004 APB)	Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	1505.8	1480.6	
Quantity	3334	3334	
Unit Cost	0.452	0.444	-1.77
Average Procurement Unit Cost (APUC)			
Cost	941.7	917.0	
Quantity	3334	3334	
Unit Cost	0.282	0.275	-2.48

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 2010	0.449	0.280	0.570	0.377
Current Estimate	DEC 2011	0.444	0.275	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	-0.010	0.204	0.119	0.031	-0.079	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	-0.011	0.044	0.118	0.018	-0.056	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	1873.3
Total Quantity	N/A	8800	16124	3334
Prog. Acq. Unit Cost (PAUC)	N/A	0.337	0.304	0.562

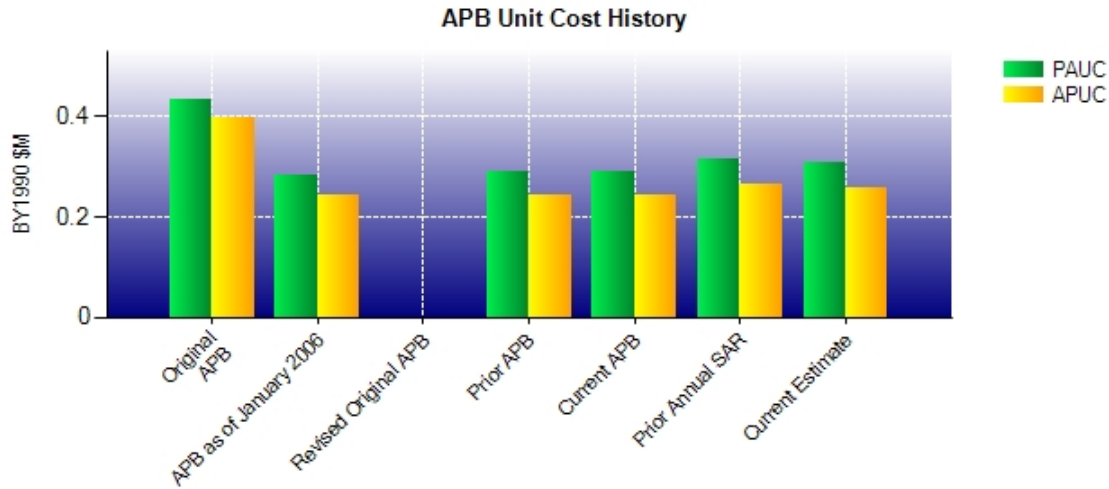
UNITARY**Unit Cost Report**

	BY1990 \$M	BY1990 \$M	
Unit Cost	Current UCR Baseline (AUG 2009 APB)	Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	2018.7	2144.9	
Quantity	7000	7000	
Unit Cost	0.288	0.306	+6.25
Average Procurement Unit Cost (APUC)			
Cost	1695.0	1796.2	
Quantity	7000	7000	
Unit Cost	0.242	0.257	+6.20

	BY1990 \$M	BY1990 \$M	
Unit Cost	Original UCR Baseline (APR 1995 APB)	Current Estimate (DEC 2011 SAR)	BY % Change
Program Acquisition Unit Cost (PAUC)			
Cost	3360.9	2144.9	
Quantity	7800	7000	
Unit Cost	0.431	0.306	-29.00
Average Procurement Unit Cost (APUC)			
Cost	3103.7	1796.2	
Quantity	7800	7000	
Unit Cost	0.398	0.257	-35.43

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 2010	0.313	0.264	0.488	0.424
Current Estimate	DEC 2011	0.306	0.257	0.482	0.418

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	0.016	0.000	0.022	0.095	-0.074	0.000	-0.002	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	0.015	0.000	0.021	0.088	-0.080	0.000	-0.002	0.043	0.418

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	3373.4
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****Cost Variance Summary**

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	-40.8	--	-39.3
Quantity	--	-3204.5	--	-3204.5
Schedule	--	+394.9	+0.4	+395.3
Engineering	+44.1	+59.9	--	+104.0
Estimating	-47.0	-157.1	-29.0	-233.1
Other	--	--	--	--
Support	--	-21.2	--	-21.2
Subtotal	-1.4	-2968.8	-28.6	-2998.8
Current Changes				
Economic	--	+4.7	--	+4.7
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	--	-31.3	--	-31.3
Other	--	--	--	--
Support	--	--	--	--
Subtotal	--	-26.6	--	-26.6
Total Changes	-1.4	-2995.4	-28.6	-3025.4
CE - Cost Variance	643.6	1229.7	--	1873.3
CE - Cost & Funding	643.6	1229.7	--	1873.3

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	-32.9	-21.8	-78.2
Other	--	--	--	--
Support	--	-13.5	--	-13.5
Subtotal	+9.6	-2056.3	-21.8	-2068.5
Current Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	--	-17.2	--	-17.2
Other	--	--	--	--
Support	--	--	--	--
Subtotal	--	-17.2	--	-17.2
Total Changes	+9.6	-2073.5	-21.8	-2085.7
CE - Cost Variance	563.6	917.0	--	1480.6
CE - Cost & Funding	563.6	917.0	--	1480.6

Previous Estimate: December 2010

Procurement	\$M	
	Base Year	Then Year
Current Change Explanations		
Revised escalation indices. (Economic)	N/A	+4.7
Updated projected baseline unit cost resulting from savings on common parts realized during FY 2011 and FY 2012 production procurements for Unitary. (Estimating)	-17.2	-31.3
Procurement Subtotal	-17.2	-26.6

UNITARY**Cost Variance Summary**

Summary Then Year \$M				
	RDT&E	Proc	MILCON	Total
SAR Baseline (Prod Est)	347.5	2627.3	--	2974.8
Previous Changes				
Economic	+2.7	+70.8	--	+73.5
Quantity	--	--	--	--
Schedule	+7.5	+139.1	--	+146.6
Engineering	+46.7	+616.0	--	+662.7
Estimating	+37.8	-471.5	--	-433.7
Other	--	--	--	--
Support	--	-10.7	--	-10.7
Subtotal	+94.7	+343.7	--	+438.4
Current Changes				
Economic	+0.5	+37.4	--	+37.9
Quantity	--	--	--	--
Schedule	--	+5.0	--	+5.0
Engineering	--	--	--	--
Estimating	+5.9	-87.7	--	-81.8
Other	--	--	--	--
Support	--	-0.9	--	-0.9
Subtotal	+6.4	-46.2	--	-39.8
Total Changes	+101.1	+297.5	--	+398.6
CE - Cost Variance	448.6	2924.8	--	3373.4
CE - Cost & Funding	448.6	2924.8	--	3373.4

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	+26.2	-266.7	--	-240.5
Other	--	--	--	--
Support	--	-7.6	--	-7.6
Subtotal	+62.2	+152.2	--	+214.4
Current Changes				
Economic	--	--	--	--
Quantity	--	--	--	--
Schedule	--	--	--	--
Engineering	--	--	--	--
Estimating	+3.7	-50.6	--	-46.9
Other	--	--	--	--
Support	--	-0.4	--	-0.4
Subtotal	+3.7	-51.0	--	-47.3
Total Changes	+65.9	+101.2	--	+167.1
CE - Cost Variance	348.7	1796.2	--	2144.9
CE - Cost & Funding	348.7	1796.2	--	2144.9

Previous Estimate: December 2010

RDT&E	\$M	
	Base Year	Then Year
Current Change Explanations		
Revised escalation indices. (Economic)	N/A	+0.5
Reprogrammed FY 2013 procurement funding to complete operational testing for JSOW C-1. (Estimating)	+3.1	+5.0
Additional FY 2010 funding resulting from Below Threshold Reprogramming for increased costs associated with the development of the JSOW C-1 Strike Common Weapon Data Link development program. (Estimating)	+1.2	+1.9
Decrease due to Navy Working Capital Fund rate adjustment and Small Business Innovation Research tax. (Estimating)	-0.4	-0.6
Adjustment for current and prior escalation. (Estimating)	-0.2	-0.4
RDT&E Subtotal	+3.7	+6.4

Procurement	\$M	
	Base Year	Then Year
Current Change Explanations		
Revised escalation indices. (Economic)	N/A	+37.4
Stretch-out of procurement buy profile. (Schedule)	0.0	+5.0
Revised estimate due to lower cost realized during FY 2011 and FY 2012 production procurements. (Estimating)	-41.5	-72.2
Increase in unit cost due to quantity reduction resulting from budget cuts in FY 2012 - FY 2014. (Estimating)	+4.7	+7.3
Higher budgeted quantities in FY 2015 and FY 2016 will yield economies of scale unit cost savings (Estimating)	-3.7	-6.2
Cost reduction initiative savings from Value Engineering Change Proposals were realized earlier than originally estimated. (Estimating)	-5.0	-8.5
Revised estimate due to realized testing efficiencies. (Estimating)	-1.7	-2.9
Adjustment for current and prior escalation. (Estimating)	-3.4	-5.2
Revised estimate due to lower cost realized during FY 2011 and FY 2012 for Integrated Logistics Support. (Support)	-0.8	-1.7
Initial Spares increased to support production from FY 2018 to FY 2022. (Support)	+0.4	+0.8
Procurement Subtotal	-51.0	-46.2

Contracts

Appropriation: RDT&E

Contract Name JSOW-C-1 Development / Seeker Obsolescence
Contractor Raytheon Company
Contractor Location 1151 E Hermans Road
 Tucson, AZ 85706
Contract Number, Type N00019-05-G-0008, CPFF
Award Date March 08, 2007
Definitization Date March 08, 2007

Initial Contract Price (\$M)			Current Contract Price (\$M)			Estimated Price At Completion (\$M)	
Target	Ceiling	Qty	Target	Ceiling	Qty	Contractor	Program Manager
93.8	N/A	N/A	179.4	N/A	N/A	181.2	181.2

Variance	Cost Variance	Schedule Variance
Cumulative Variances To Date (12/28/2011)	+3.0	+0.2
Previous Cumulative Variances	+0.5	+0.4
Net Change	+2.5	-0.2

Cost And Schedule Variance Explanations

The favorable net change in the cost variance is due to Seeker Air Vehicle Integration and Test, Guidance and Electronics Unit Software, and Manufacturing Support efficiencies.

The unfavorable net change in the schedule variance is due to unplanned software work with the 25 Hertz Telemetry Recorder.

Contract Comments

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

The difference between the initial contract price target and the current contract price target is due to the execution of a Over Target Baseline (OTB)/Over Target Schedule (OTS) implemented in November 2010. The program schedule has been extended to a completion date of November 2012. The OTB/OTS was necessary to provide a sound performance baseline to complete the software integration effort and the development and integration test programs.

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	1555	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.

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	170.8	N/A	452	170.8	170.8

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.

This is the first time this contract is being reported.

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	1873.3	Years Appropriated	26
Expenditures To Date	1659.3	Percent Years Appropriated	72.22%
Percent Expended	88.58%	Appropriated to Date	1659.9
Total Funding Years	36	Percent Appropriated	88.61%

Deliveries and expenditures are current as of December 31, 2011.

UNITARY

Deliveries To Date	Plan To Date	Actual To Date	Total Quantity	Percent Delivered
Development	0	0	0	--
Production	1919	1919	7000	27.41%
Total Program Quantities Delivered	1919	1919	7000	27.41%

Expenditures and Appropriations (TY \$M)			
Total Acquisition Cost	3373.4	Years Appropriated	21
Expenditures To Date	1254.7	Percent Years Appropriated	67.74%
Percent Expended	37.19%	Appropriated to Date	1549.2
Total Funding Years	31	Percent Appropriated	45.92%

Deliveries and expenditures are current as of December 31, 2011.

Operating and Support Cost

BASELINE/BLU-108

Assumptions And Ground Rules

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

ASSUMPTIONS:

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

There is no antecedent system.

5 JSOW surveillance firings every other year.

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

20-year missile life.

No additional operational/maintenance personnel at Organizational Level.

No additional operational/maintenance personnel at Intermediate Level.

Contractor Depot Repair Program.

Cost Element	Costs BY1990 \$M	
	BASELINE/BLU-108 Avg Annual Cost For All Weapons	No Antecedent System
Unit-Level Manpower	0.223	--
Unit Operations	0.002	--
Maintenance	5.717	--
Sustaining Support	0.910	--
Continuing System Improvements	2.183	--
Indirect Support	0.358	--
Other	1.052	--
Total Unitized Cost (Base Year 1990 \$)	10.445	--

Total O&S Costs \$M	BASELINE/BLU-108	No Antecedent
Base Year	208.9	--
Then Year	396.4	--

An updated Operating and Support Cost estimate is currently in work to include any appropriate demilitarization costs.

UNITARY**Assumptions And Ground Rules**

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

ASSUMPTIONS:

Estimate is based on 7,000 Unitary Weapons.

There is no antecedent system.

Unitary will be integrated with the established Baseline program.

5 Unitary surveillance firings every other year.

Deployed aboard 6 Carrier Battle Group each year, 25 JSOW Unitary per Carrier.

20-year missile operating life.

No additional operational/maintenance personnel at Organizational Level.

No additional operational/maintenance personnel at Intermediate Level.

Contractor Depot Repair Program.

Costs BY1990 \$M		
Cost Element	UNITARY Avg Annual Cost For All Weapons	No Antecedent System
Unit-Level Manpower	0.165	--
Unit Operations	0.002	--
Maintenance	4.209	--
Sustaining Support	0.670	--
Continuing System Improvements	1.607	--
Indirect Support	0.264	--
Other	0.775	--
Total Unitized Cost (Base Year 1990 \$)	7.692	--

Total O&S Costs \$M	UNITARY	No Antecedent
Base Year	153.8	--
Then Year	392.8	--

An updated Operating and Support Cost estimate is currently in work to include any appropriate demilitarization costs.