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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604727N I Joint Standoff Weapon Systems							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	876.342	5.490	0.442	4.400	-	4.400	0.409	0.433	0.436	0.444	3.353	891.749
2068: Joint Standoff Weapon (JSOW)	876.342	5.490	0.442	4.400	-	4.400	0.409	0.433	0.436	0.444	3.353	891.749
MDAP/MAIS Code: 766												
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
The Joint Standoff Weapon (JSOW) is an air-to-ground weapon designed to attack a variety of targets during day, night, and adverse weather conditions. JSOW will enhance aircraft survivability as compared to current interdiction weapon systems 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 will allow several target kills per aircraft sortie. The JSOW program first developed a baseline weapon for use against fixed area targets. JSOW is a Navy led joint Navy/Air Force program.												
The JSOW Baseline (AGM-154A) variant includes a kinematically efficient airframe, an integrated Inertial/Global Positioning System navigation capability, and a BLU-97/ B or BLU-111 payload. This weapon was designed up front for pre-planned product improvements. Procurement of JSOW-A in the FYDP is deferred pending a fix to the unexploded ordnance issue or a change in the inventory levels. The JSOW BLU-108 (AGM-154B) variant incorporates the sensor fuze weapon submunition (BLU-108) into the baseline vehicle. Planned production of the JSOW/BLU-108 is deferred pending a change in the threat. The JSOW Unitary (AGM-154C) variant has a terminal seeker, autonomous target acquisition capability, and a broach lethal package to enable the attack of blast/fragmentation and penetration type targets. The JSOW Unitary provides increased accuracy and lethality and the capability for aimpoint selection. Operational Testing of the JSOW-C was successfully completed in December 2004. Approval for Milestone-III/Full Rate Production was granted on 20 December 2004. JSOW-C Initial Operational Capability was achieved in February 2005.												
FY 2013-2015 includes funding for development, integration, qualification and follow-on developmental and operational test and evaluation of a Network Enabled Weapon (NEW) moving maritime target capability into the JSOW Unitary weapon (AGM-154C-1). The moving maritime target capability is currently being integrated as an engineering change proposal beginning with FY 2009 procured JSOW-C weapons. The new AGM-154C-1 capability will enable the weapon to be integrated with the network and attack sea moving maritime targets via real-time pre-and post-launch targeting updates. JSOW will continue to conduct analysis and development of solutions to system integration challenges, and continual enhancement of warfighter effectiveness in the employment of the JSOW weapon system. JSOW funding will provide enhancements to include the analysis of extended range and future improvements to the JSOW-C configuration to improve capability. In addition, FY 2013-2015 includes funding to integrate new functionality of the Common Unique Planning Component (CUPC) into the joint mission planning systems and precision guided munitions planning system.												
JSOW utilizes a "common truck" for both AGM-154A and AGM-154C variants. Through adherence to international standards for weapons interfaces, weight, and dimension considerations, JSOW is compatible with Air Force and NATO aircraft.												

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<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604727N / <i>Joint Standoff Weapon Systems</i>
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This program is funded under System Development and Demonstration because it includes those projects that have passed Milestone B approval and are conducting engineering and manufacturing development tasks aimed at meeting validated requirement prior to full-rate production decision.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO</b>	<b>FY 2015 Total</b>
Previous President's Budget	5.518	0.442	0.425	-	0.425
Current President's Budget	5.490	0.442	4.400	-	4.400
Total Adjustments	-0.028	-	3.975	-	3.975
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.004	-			
• Rate/Misc Adjustments	0.002	-	3.975	-	3.975
• Congressional General Reductions Adjustments	-0.026	-	-	-	-

**Change Summary Explanation**

Schedule: In March 2013 the JSOW program awarded a modification to the FRP7 and FRP8 contracts to add an annual delivery schedule to production AUR's. The deliveries were adjusted to incorporate this modification. The annual delivery schedule will continue in FRP9 and beyond.

Integrated Test IT-V and IT-VI were added in 2nd Qtr FY14 in order to align the JSOW C-1 with the F/A-18 H10 Operational Flight Program.

The contract was awarded in June 2013. FRP13 was removed due to FY17-FY19 production deferral.

JSOW C-1 IOC was moved from 4QFY14 to 3QFY15

FRP12 Deliveries were added and will begin in 3QFY17

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604727N / Joint Standoff Weapon Systems				Project (Number/Name) 2068 / Joint Standoff Weapon (JSOW)			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
2068: Joint Standoff Weapon (JSOW)	876.342	5.490	0.442	4.400	-	4.400	0.409	0.433	0.436	0.444	3.353	891.749
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
Provides funds for the development of a weapon to be employed by aircraft to attack targets during day, night, and adverse weather conditions. The JSOW design will capitalize on aircraft sensor capabilities and minimize individual weapon sophistication, reducing unit cost and provides a significant increase in strike warfare capability. Excludes civilian and military manpower and their related costs and military construction costs which are included in appropriate management and support elements in this program.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2013	FY 2014	FY 2015
Title: Network Enabled Weapon (NEW)  Articles:  Description: Develop and integrate the NEW moving maritime target capability into JSOW-C, termed AGM-154C-1.  FY 2013 Accomplishments: Continued weapon qualification and follow-on Operational Test (OT) efforts.  FY 2014 Plans: Continue weapon qualification and follow-on OT efforts and continue support for software integration associated with future obsolescence, software improvements, and regression testing on NEW moving maritime target capability.  FY 2015 Plans: Complete weapon qualification and follow-on OT efforts and continue support for software integration associated with future obsolescence, software improvements, and regression testing on NEW moving maritime target capability.										5.392	0.342	4.298
										-	-	-
Title: JSOW Common Unique Planning Component (CUPC)  Articles:  Description: Incorporates mission planning into the JSOW maritime CUPC and develop new software releases. Address new mission planning functionality related to the incorporation of the NEW moving target capability into the JSOW-C-1 weapons.  FY 2013 Accomplishments:										0.098	0.100	0.102
										-	-	-

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2015 Navy		<b>Date:</b> March 2014	
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604727N / <i>Joint Standoff Weapon Systems</i>	<b>Project (Number/Name)</b> 2068 / <i>Joint Standoff Weapon (JSOW)</i>	

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>
Resumed interoperability efforts for JSOW C-1.			
<b><i>FY 2014 Plans:</i></b> Continue interoperability efforts for JSOW C-1.			
<b><i>FY 2015 Plans:</i></b> Continue interoperability efforts for JSOW C-1.			
<b>Accomplishments/Planned Programs Subtotals</b>	5.490	0.442	4.400

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u> <u>Base</u>	<u>FY 2015</u> <u>OCO</u>	<u>FY 2015</u> <u>Total</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• USN WP,N BLI 223000: JSOW	120.201	117.594	130.759	-	130.759	159.940	-	-	-	1,764.705	4,202.148
<b>Remarks</b> FY15 OSD MSR production deferral beginning FY17 assumes substantial FMS JSOW C buy.											
<b>D. Acquisition Strategy</b> The contracting strategy for JSOW is planned to be sole source for the life of the program. Cost type contracts are utilized for the Engineering and Manufacturing Development (EMD) and follow-on modification program (i.e., Block II (AGM-154C), AGM-154C-1) efforts. Component breakout is used, when possible, to promote full and open competition.  Fixed price type contracts are utilized for production.											
<b>E. Performance Metrics</b> The JSOW C-1 program is meeting the cost schedule, performance, funding and life cycle sustainment in accordance with the Acquisition Program Baseline.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604727N / Joint Standoff Weapon Systems				Project (Number/Name) 2068 / Joint Standoff Weapon (JSOW)					
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Engineering	MIPR	National Security Agency : Maryland	0.814	0.181	Nov 2012	-		-		-		-	-	0.995	0.995
System Engineering	WR	NAWCWD : China Lake, CA	110.003	0.322	Aug 2013	0.142	Nov 2013	0.199	Nov 2014	-		0.199	-	110.666	-
Prior year Prod Dev cost no longer funded in the FYDP	Various	Various : Various	681.867	-		-		-		-		-	-	681.867	-
Subtotal			792.684	0.503		0.142		0.199		-		0.199	-	793.528	-
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development - JMPS	SS/CPFF	Lockheed Martin Systems Integration : King of Prussia, PA	5.620	0.098	Aug 2013	0.100	Dec 2013	0.102	Dec 2014	-		0.102	5.075	10.995	5.075
Prior year Support cost no longer funded in the FYDP	Various	Various : Various	8.007	-		-		-		-		-	-	8.007	-
Subtotal			13.627	0.098		0.100		0.102		-		0.102	5.075	19.002	-
Remarks															
(1) Funding in previous years was sent to Raytheon Systems. In FY13 a new contract was awarded with Lockheed Martin Systems Integration.															
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Int Test and Evaluation	WR	NAWCWD : China Lake, CA	33.662	-	Apr 2013	0.100	Nov 2013	-		-		-	-	33.762	-
Oper Test and Evaluation	WR	COMOPTEVFOR : Norfolk, VA	10.865	4.889	Aug 2013	0.100	May 2014	4.099	Oct 2014	-		4.099	-	19.953	-
Subtotal			44.527	4.889		0.200		4.099		-		4.099	-	53.715	-

## UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 5						R-1 Program Element (Number/Name) PE 0604727N / Joint Standoff Weapon Systems						Project (Number/Name) 2068 / Joint Standoff Weapon (JSOW)			
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior year Mgmt cost no longer funded in the FYDP	Various	Various : Various	25.504	-		-		-		-		-	-	25.504	-
Subtotal			25.504	-		-		-		-		-	-	25.504	-
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			876.342	5.490		0.442		4.400		-		4.400	5.075	891.749	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy

Date: March 2014

Appropriation/Budget Activity

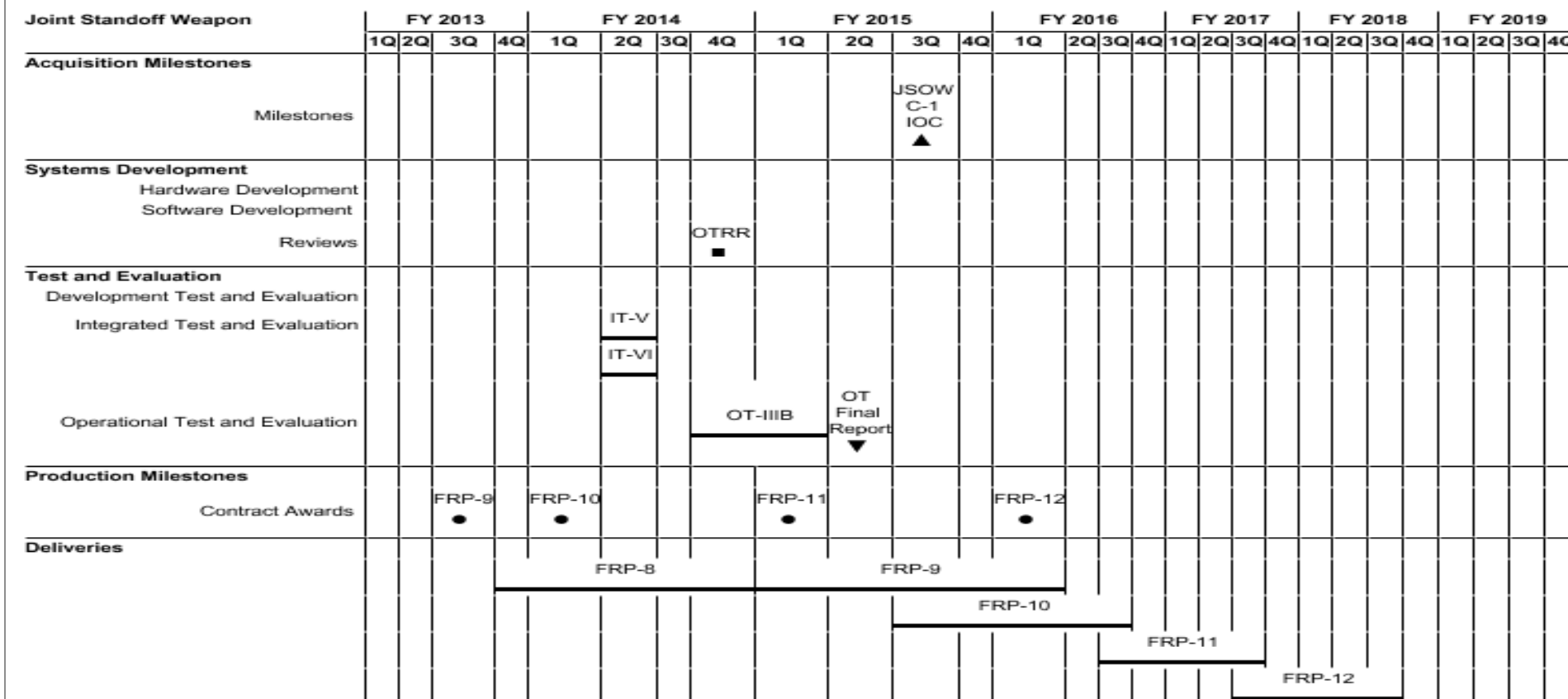
1319 / 5

R-1 Program Element (Number/Name)

PE 0604727N / Joint Standoff Weapon Systems

Project (Number/Name)

2068 / Joint Standoff Weapon (JSOW)



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2015 Navy			<b>Date:</b> March 2014
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604727N / <i>Joint Standoff Weapon Systems</i>	<b>Project (Number/Name)</b> 2068 / <i>Joint Standoff Weapon (JSOW)</i>	

**Schedule Details**

<b>Events by Sub Project</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
<b><i>Joint Standoff Weapon</i></b>				
Acquisition Milestones: Milestones: Initial Operational Capability C-1	3	2015	3	2015
Systems Development: Reviews: Operational Test Readiness Review	4	2014	4	2014
Test and Evaluation: Integrated Test and Evaluation: Network Enabled Weapon/ Moving Target/AGM-154C-1 Integrated Test (IT-V)	2	2014	2	2014
Test and Evaluation: Integrated Test and Evaluation: Network Enabled Weapon/ Moving Target/AGM-154C-1 Integrated Test (IT-VI)	2	2014	2	2014
Test and Evaluation: Operational Test and Evaluation: Network Enabled Weapon/ Moving Target/AGM-154C-1 Operational Test (OT-IIIB)	4	2014	1	2015
Test and Evaluation: Operational Test and Evaluation: AGM-154C-1 JSOW Operational Test Agency Follow-On Evaluation Report OT-IIIB Final Report	2	2015	2	2015
Production Milestones: Contract Awards: FRP-9 Award AGM-154C-1	3	2013	3	2013
Production Milestones: Contract Awards: FRP-10 Award AGM-154C-1	1	2014	1	2014
Production Milestones: Contract Awards: FRP-11 Award AGM-154C-1	1	2015	1	2015
Production Milestones: Contract Awards: FRP-12 Award AGM-154C-1	1	2016	1	2016
Deliveries: FRP-8 Deliveries- AGM-154C-1	4	2013	4	2014
Deliveries: FRP-9 Deliveries- AGM-154C-1	1	2015	1	2016
Deliveries: FRP-10 Deliveries- AGM-154C-1	3	2015	3	2016
Deliveries: FRP-11 Deliveries- AGM-154C-1	3	2016	3	2017
Deliveries: FRP-12 Deliveries- AGM-154C-1	3	2017	3	2018