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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2015 Navy **Date:** March 2014

<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604786N / (U) <i>Offensive Anti-Surface Warfare Weapon Dev</i>
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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	0.000	77.609	90.985	202.939	-	202.939	287.991	234.965	151.754	124.462	Continuing	Continuing
3337: <i>Offensive Anti-Surface Warfare (OASuW) Weapon</i>	0.000	77.609	90.985	201.939	-	201.939	287.991	234.965	151.754	124.462	Continuing	Continuing
3343: <i>Offensive Anti-Surface Warfare (OASuW) Weapon Increment II</i>	0.000	-	-	1.000	-	1.000	-	-	-	-	-	1.000

**MDAP/MAIS Code:** P449

# The FY 2015 OCO Request will be submitted at a later date.

**Note**

The Offensive Anti-Surface Warfare (OASuW) Weapon Development program was previously funded under Program Element (PE) 0605853N, Project Unit (PU) 2221 and assigned to Budget Activity (BA) 06: RDT&E Management Support. In May of 2011, PE 0604786N PU 3337 was established as the principal budget line for the OASuW program and assigned as BA 04: Advanced Component Development and Prototypes.

**A. Mission Description and Budget Item Justification**

OASuW will be an offensive weapon system that can be air and/or surface launched in the maritime battle space environment. OASuW will be a vital component of the Joint Force Anti-Surface Warfare capability and incorporate new or emergent technologies to support an increased offensive strike capability.

OASuW (Increment I)

The Department will transition the Defense Advanced Research Projects Agency (DARPA) / Office of Naval Research (ONR) Long Range Anti-Ship Missile (LRASM) demonstration design into a fielded weapon system to provide an early air-launched operational Offensive Anti-Surface Warfare capability using an accelerated acquisition approach.

OASuW (Increment II)

Funding supports Analysis of Alternatives (AoA) updates to assess fully capable OASuW/Increment II material solution(s) geared to the advanced 2024 threat. Surface and air-launched material solutions will be assessed. Study results to inform development efforts in FY16 and beyond.

This program is funded under ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES because it includes all efforts necessary to evaluate integrated technologies, representative models or prototype systems in a high fidelity and realistic operating environment.

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<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604786N / (U) <i>Offensive Anti-Surface Warfare Weapon Dev</i>
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<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	86.801	135.985	230.997	-	230.997
Current President's Budget	77.609	90.985	202.939	-	202.939
Total Adjustments	-9.192	-45.000	-28.058	-	-28.058
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-45.000			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.956	-			
• Program Adjustments	-	-	-1.142	-	-1.142
• Rate/Misc Adjustments	0.001	-	-26.916	-	-26.916
• Congressional General Reductions Adjustments	-7.237	-	-	-	-

**Change Summary Explanation**

Technical: Funding was provided for an OASuW weapon system that can be air and/or surface launched in the maritime battle space environment. Department requirements have been redefined for the OASuW program across the Future Year Defense Plan (FYDP) in order to address an urgent need for an air launched anti-surface warfare capability.

Schedule: Updated to address accelerated acquisition approach to meet the urgent need for an air launched anti-surface warfare capability.

Milestone A removed from 1st Qtr 2015 and replaced by Knowledge Points and EOCs added across the FYDP.

Technology Development phase added from 3rd Qtr 2013 to 4th Qtr 2016.

Engineering & Manufacturing Development (EMD) moved from 3rd Qtr 2015 - 4th QTR 2017 to 1st Qtr 2016 - 4th Qtr 2019.

System Readiness Review (SRR) replaced by System Functional Review (SFR).

Production Design Review (PDR) moved from 3rd Qtr 2015 to 1st Qtr 2015.

Critical Design Review (CDR) moved from 4th Qtr 2016 to 4th Qtr 2015.

Technical Readiness Review (TRR) added to 2nd Qtr 2016.

Production Readiness Review (PRR) added to 4th Qtr 2017.

Operational Testing (OT) moved from 1st Qtr 2019 - 4th Qtr 2019 to 3rd Qtr 2018 - 2nd Qtr 2019.

Captive Carriage Test Assets added to 2018.

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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 / 4					<b>R-1 Program Element (Number/Name)</b> PE 0604786N / (U)Offensive Anti-Surface Warfare Weapon Dev				<b>Project (Number/Name)</b> 3337 / Offensive Anti-Surface Warfare (OASuW) Weapon			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO #</b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
3337: <i>Offensive Anti-Surface Warfare (OASuW) Weapon</i>	-	77.609	90.985	201.939	-	201.939	287.991	234.965	151.754	124.462	Continuing	Continuing
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	16.000	-	-		

# The FY 2015 OCO Request will be submitted at a later date.

**A. Mission Description and Budget Item Justification**

OASuW will be a vital component of the Joint Force Anti-Surface Warfare (ASuW) capability and incorporate new or emergent technologies to support an increased offensive strike capability with an early operational air launched capability in 2018 on Air Force platforms & 2019 on Navy platforms. LRASM is intended to provide the next generation of ASuW capabilities addressing the most urgent air-launched requirement, significantly reducing Joint Force warfighting risks, and positioning the Department to address evolving surface warfare threats.

The effort is currently executing technology maturation of the demonstrated LRASM design in order to support weapon system fielding and integration. Upon completion of these efforts, the Milestone Decision Authority will determine the program's entry phase of the acquisition cycle and baseline parameters.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>
<b>Title:</b> OASuW Development Program	77.609	90.985	201.939
<b>Articles:</b>	-	-	-
<b>FY 2013 Accomplishments:</b>			
Conducted concept refinement, technology maturation, and risk reduction efforts leveraging the DARPA/ONR LRASM demonstration program. Established a government program team to manage and support program efforts including pre-MDAP activities.			
<b>FY 2014 Plans:</b>			
Complete technology maturation and risk reduction activities to transition the LRASM demonstration program. This transition includes a Request for Proposal and contract award for activities to complete a preliminary program review in early FY15 to support further sensor and avionics hardware development and fabrication of hardware for the subsystem and system qualification, integration and test.			
<b>FY 2015 Plans:</b>			
Primary efforts include weapon system design maturation to support subsystem design reviews culminating in a system level critical design review (CDR) in 4QFY15. Additional activities include identification and design of weapon system test sets required			

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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 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604786N / (U)Offensive Anti-Surface Warfare Weapon Dev	<b>Project (Number/Name)</b> 3337 / Offensive Anti-Surface Warfare (OASuW) Weapon

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>
in support of subsystem and system level testing, and initial integration design/development on the USAF and USN launch platforms, which include mission planning development and environmental qualification.			
<b>Accomplishments/Planned Programs Subtotals</b>	77.609	90.985	201.939

**C. Other Program Funding Summary (\$ in Millions)**

<b>Line Item</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO</b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• WPN/2291: LRASM	-	-	-	-	-	-	90.000	120.000	120.000	-	330.000

**Remarks**

**D. Acquisition Strategy**

The OASuW will use an accelerated acquisition approach with streamlined governance. The LRASM Deployment Office (LDO), a cooperatively led DARPA/Navy office, will manage the technology maturation, integration and fielding.

**E. Performance Metrics**

The OASuW program will be managed through a series of Knowledge Point reviews conducted with the Service Acquisition Executive, ASN(RDA).

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy** **Date:** March 2014

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604786N / (U)Offensive Anti-Surface Warfare Weapon Dev	<b>Project (Number/Name)</b> 3337 / Offensive Anti-Surface Warfare (OASuW) Weapon
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<b>Product Development (\$ 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>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Product Development	C/CPFF	Lockheed Martin Missile and Fire Control : Orlando, FL	0.000	46.700	Aug 2013	59.619	Mar 2014	143.849	Jan 2015	-		143.849	481.296	731.464	732.464
Product Development	C/CPFF	Boeing : St. Louis, MO	0.000	1.739	Jun 2013	2.834	Jul 2014	4.327	Feb 2015	-		4.327	8.888	17.788	17.788
<b>Subtotal</b>			0.000	48.439		62.453		148.176		-		148.176	490.184	749.252	750.252

<b>Support (\$ 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>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Government Support	WR	NAWC AD : Patuxent River, MD	0.000	2.998	Nov 2012	3.318	Nov 2013	5.308	Nov 2014	-		5.308	Continuing	Continuing	Continuing
Government Support	WR	NAWC WD : China Lake, CA	0.000	5.458	Nov 2012	4.945	Nov 2013	6.653	Nov 2014	-		6.653	Continuing	Continuing	Continuing
Government Support	WR	NSWC : Various	0.000	2.411	Nov 2012	0.930	Nov 2013	0.967	Nov 2014	-		0.967	Continuing	Continuing	Continuing
Development Support	C/FFP	NSMA : Navy Sys Mgt Act, VA	0.000	1.239	Nov 2012	4.771	Jan 2014	5.161	Jan 2015	-		5.161	Continuing	Continuing	Continuing
Development Support	MIPR	USAF : Various	0.000	-		4.541	Nov 2013	14.637	Nov 2014	-		14.637	Continuing	Continuing	Continuing
Development Support	MIPR	USA : WSMR, NM	0.000	2.800	Jul 2013	-		-		-		-	-	2.800	-
Integrated Logistics Support	WR	NAWC AD : Patuxent River, MD	0.000	-		0.465	Nov 2013	0.484	Nov 2014	-		0.484	Continuing	Continuing	Continuing
Contractor Support	Various	Various : Various	0.000	10.050	Nov 2012	1.923	Nov 2013	3.439	Nov 2014	-		3.439	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.000	24.956		20.893		36.649		-		36.649	-	-	-

**Remarks**  
 Various NSWC activities: Indian Head, Earle, Dahlgren, Corona, Point Hueneme.  
 Various USAF activities: Eglin, Tinker  
 Various Contractor Support contracts: NAWCAD, NAWCWD, JHU.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
1319 / 4				PE 0604786N / (U)Offensive Anti-Surface Warfare Weapon Dev				3337 / Offensive Anti-Surface Warfare (OASuW) Weapon							
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
Development Support	WR	NAWC WD : China Lake, CA	0.000	2.375	Nov 2012	2.964	Nov 2013	11.379	Nov 2014	-		11.379	Continuing	Continuing	Continuing
Development Support	WR	NAWC AD : Patuxent River, MD	0.000	-		0.524	Nov 2013	1.315	Nov 2014	-		1.315	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.000	2.375		3.488		12.694		-		12.694	-	-	-
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
Government Support	WR	NAWC AD : Patuxent River, MD	0.000	1.177	Nov 2012	2.324	Dec 2013	2.418	Dec 2014	-		2.418	Continuing	Continuing	Continuing
Project Management Support	C/CPFF	NAWC AD : Patuxent River, MD	0.000	0.362	Dec 2012	1.627	Dec 2013	1.693	Dec 2014	-		1.693	Continuing	Continuing	Continuing
Travel	Various	NAWC AD : Patuxent River, MD	0.000	0.300	Oct 2012	0.200	Oct 2013	0.309	Oct 2014	-		0.309	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.000	1.839		4.151		4.420		-		4.420	-	-	-
<b>Project Cost Totals</b>			0.000	77.609		90.985		201.939		-		201.939	-	-	-
<b>Remarks</b>															

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**Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy** **Date:** March 2014

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604786N / (U)Offensive Anti-Surface Warfare Weapon Dev	<b>Project (Number/Name)</b> 3337 / Offensive Anti-Surface Warfare (OASuW) Weapon
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Offensive Anti-Surface Weapon (OASuW)	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019							
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q				
<b>Acquisition Milestones</b>																																
Milestones					▲ KP-1				▲ KP-2				▲ KP-3				▲ KP-4				▲ KP-5				▲ EOC - AF				▲ EOC - NAVY			
<b>Systems Development</b>																																
Hardware Development	TD																															
Software Development																	EMD															
Reviews					■ SFR				■ PDR				■ CDR				■ TRR				■ PRR											
Test & Evaluation																	TA				OT (AF)				OT (NAVY)							

*2015PB - 0604786N - 3337 Schedule changes reflect program decisions based on current direction.*

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<b>Exhibit R-4A, RDT&amp;E Schedule Details: PB 2015 Navy</b>		<b>Date: March 2014</b>
<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604786N / (U)Offensive Anti-Surface Warfare Weapon Dev	<b>Project (Number/Name)</b> 3337 / Offensive Anti-Surface Warfare (OASuW) Weapon

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Offensive Anti-Surface Weapon (OASuW)</b>				
Acquisition Milestones: Milestones: Knowledge Point 1	2	2014	2	2014
Acquisition Milestones: Milestones: Knowledge Point 2	4	2014	4	2014
Acquisition Milestones: Milestones: Knowledge Point 3	4	2015	4	2015
Acquisition Milestones: Milestones: Knowledge Point 4	1	2017	1	2017
Acquisition Milestones: Milestones: Knowledge Point 5	2	2018	2	2018
Acquisition Milestones: Milestones: Early Operational Capability (EOC) Air Force	4	2018	4	2018
Acquisition Milestones: Milestones: Early Operational Capability (EOC) Navy	4	2019	4	2019
Systems Development: Hardware Development: Technology Development Phase	3	2013	4	2016
Systems Development: Hardware Development: Engineering & Manufacturing Development Contract Award	3	2015	3	2015
Systems Development: Hardware Development: Engineering & Manufacturing Development	1	2016	4	2019
Systems Development: Reviews: System Functional Review	2	2014	2	2014
Systems Development: Reviews: Production Design Review	1	2015	1	2015
Systems Development: Reviews: Critical Design Review	4	2015	4	2015
Systems Development: Reviews: Technical Readiness Review	2	2016	2	2016
Systems Development: Reviews: Production Readiness Review	4	2017	4	2017
Systems Development: Test & Evaluation: Operational Testing (AF)	3	2018	4	2018
Systems Development: Test & Evaluation: Operational Testing (Navy)	1	2019	2	2019
Systems Development: Test & Evaluation: Captive Carriage Test Asset Deliveries	1	2018	3	2018



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**Exhibit R-2A, RDT&E Project Justification:** PB 2015 Navy **Date:** March 2014

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604786N / (U)Offensive Anti-Surface Warfare Weapon Dev	<b>Project (Number/Name)</b> 3343 / Offensive Anti-Surface Warfare (OASuW) Weapon Increment II
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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
3343: <i>Offensive Anti-Surface Warfare (OASuW) Weapon Increment II</i>	-	-	-	1.000	-	1.000	-	-	-	-	-	1.000
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**

Update of AoA for OASuW capabilities.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	FY 2013	FY 2014	FY 2015
<b>Title:</b> Analysis of Alternatives	-	-	1.000
<b>Articles:</b>	-	-	-
<b>FY 2013 Accomplishments:</b> N/A			
<b>FY 2014 Plans:</b> N/A			
<b>FY 2015 Plans:</b> Funding supports AoA efforts for a surface/air-launched OASuW material solution(s) geared to the advanced 2024 threat.			
<b>Accomplishments/Planned Programs Subtotals</b>	-	-	1.000

**C. Other Program Funding Summary (\$ in Millions)**

N/A

**Remarks**

**D. Acquisition Strategy**

N/A

**E. Performance Metrics**

Completion of AoA update.

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**Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy** **Date:** March 2014

<b>Appropriation/Budget Activity</b> 1319 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604786N / (U)Offensive Anti-Surface Warfare Weapon Dev	<b>Project (Number/Name)</b> 3343 / Offensive Anti-Surface Warfare (OASuW) Weapon Increment II
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OASuW AoA Update	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019							
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q				
<b>System Development</b>																																
									AoA Update																							

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