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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	1,462.209	75.093	223.826	237.655	-	237.655	284.751	176.521	114.054	98.114	Continuing	Continuing
3337: <i>Offensive Anti-Surface Warfare (OASuW) Weapon</i>	1,462.209	35.751	6.580	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	1,504.540
3343: <i>Offensive Anti-Surface Warfare (OASuW) Weapon Increment II</i>	0.000	0.000	151.871	95.797	-	95.797	99.327	83.220	84.517	86.213	Continuing	Continuing
3466: <i>LRASM C-3</i>	0.000	39.342	65.375	141.858	-	141.858	185.424	93.301	29.537	11.901	Continuing	Continuing

A. Mission Description and Budget Item Justification

Offensive Anti-Surface Warfare (OASuW) is an offensive weapon system that is a vital component of the Joint Force Anti-Surface Warfare capability and incorporates new and emergent technologies to support an increased offensive strike capability utilizing multiple weapons. OASuW Increment 2 is a national imperative to maturing hypersonic capabilities. The program will provide the Navy a necessary weapon to address evolving long range high speed threats from near peer competitors. The OASuW program is part of the Navy's Long Range Fires (LRF) approach to address advanced threat capabilities in the Anti-Access/Area-Denial (A2AD) environment. LRF solutions enable individual system capabilities to be leveraged across an effects chain, placing the full spectrum of tactical capability in the hands of the warfighter. LRF solutions that push engagement distances beyond the launch platform's radar horizon and allows the U.S. Navy to operate in, and control, contested battle space in littoral waters and A2/AD environments are increasingly critical as more and more scenarios require compressed and coordinated fire control timelines. OASuW strategy pursues capability across multiple weapon systems to enhance warfighting capabilities.

Project 3343 - The Department of the Navy is developing Offensive Anti-Surface Warfare Increment 2 (OASuW Inc 2), also known as Hypersonic Air-Launched OASuW (HALO), to address weapon system requirements based on the OASuW Analysis of Alternatives (AoA). OASuW Inc 2/HALO will be a carrier-suitable, higher-speed, longer-range, air-launched weapon system providing superior Anti Surface Warfare capabilities. The program is part of the Navy's Long Range Fires investment approach to meet objectives of the National Defense Strategy. As a key component of this strategy, OASuW Inc 2/HALO will address advanced threats from engagement distances that allow the Navy to operate in, and control, contested battle space in littoral waters and Anti-Access/Area Denial (A2/AD) environments. To the maximum extent possible, the Navy will leverage technology being matured in the Science and Technology (S&T) and rapid prototyping arenas to support aggressive schedule execution. The OASuW Inc 2/HALO program will progress through a competitive technical maturation and design development period which will provide the foundation for a sole-source Engineering, Manufacturing and Development contract. Department approved requirements are documented in a Service Level Capability Development Document to be signed by March 2023. In order to counter the evolving near-peer threat capability, OASuW Inc 2/HALO is required to be fielded in FY 2029. PU 3343 is a FY 2023 New Start.

Project 3466 - The LRASM C-3 program is established to improve OASuW and incorporate a long range strike capability into the Navy's arsenal derived from the Navy's AGM-158C-1 LRASM and the Air Force's AGM-158 JASSM-ER. The Navy will integrate an AGM-158 derived weapon onto F/A-18 E/F aircraft. This funding

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line resources requirements for Navy increased LRASM capabilities and strike mission integration by upgrading the existing AGM-158C product to respond to rapidly changing threats.

Project 3337 - Due to emerging threats, the fleet issued an Urgent Operational Needs Statement (UONS) that identified a capability gap for a long-range anti-ship missile to be filled by 2018. Directly supporting this UONS and significantly reducing Joint Force warfighting risks, the U.S. Navy initiated OASuW Increment 1 (OASuW-1), which leverages the Defense Advanced Research Projects Agency (DARPA)/Office of Naval Research Long Range Anti-Ship Missile (LRASM) demonstration program to deliver an Early Operational Capability (EOC) in the required timeframe. LRASM fills the most urgent air-launched capability gap to complement existing ASuW weapon systems and positions the Department of Defense to address evolving surface warfare threats. LRASM is integral to realizing the National Defense Strategy of combat-credible military forces to deter war, protect the security of our nation and to enable the Joint Force to win should deterrence fail. The development and acquisition of LRASM has been structured to be fielded at a pace relevant to maintain overmatch against long-term strategic competition. Specifically, LRASM directly contributes to building a more lethal force and is a critical enabler for joint lethality in contested environments; deterring adversaries from aggression; ensuring common domains remain open and maintaining favorable regional balances of power. The more capable LRASM 1.1 capability improvement efforts conclude with FY 2023 funding.

Budget Item Justification: 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.

B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	70.792	124.204	98.480	-	98.480
Current President's Budget	75.093	223.826	237.655	-	237.655
Total Adjustments	4.301	99.622	139.175	-	139.175
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-13.959			
• Congressional Rescissions	-	-			
• Congressional Adds	-	113.581			
• Congressional Directed Transfers	-	-			
• Reprogrammings	5.000	0.000			
• SBIR/STTR Transfer	-0.699	0.000			
• Program Adjustments	0.000	0.000	138.000	-	138.000
• Rate/Misc Adjustments	0.000	0.000	1.175	-	1.175

Change Summary Explanation

Project 3343 Program increase in FY 2024 to support RDT&E shortfall to field initial air-launched hypersonic capability within the FYDP. The following events were deleted from the schedule - SRR, PDR, CDR, and early OA. They were replaced with TR#1, TR#2, TR#3, TR#4, TR#5 to support the MTA/ Rapid Prototyping strategy.

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<p>PROJ 3466 program increase in FY 2024 supports the Navy's position to further accelerate the C-3 development efforts to provide Beyond Line of Sight (BLOS), enhanced range and advanced survivability for the LRASM family of weapons.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy										Date: March 2023		
Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>				Project (Number/Name) 3337 / <i>Offensive Anti-Surface Warfare (OASuW) Weapon</i>			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
3337: <i>Offensive Anti-Surface Warfare (OASuW) Weapon</i>	1,462.209	35.751	6.580	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	1,504.540
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Offensive Anti-Surface Warfare (OASuW) is an offensive weapon system that can be air, surface, and subsurface launched in the maritime battle space environment. OASuW is a vital component of the Joint Force Anti-Surface Warfare capability and incorporate new and emergent technologies to support an increased offensive strike capability. Due to emerging threats, the fleet issued an Urgent Operational Needs Statement (UONS) that identified a capability gap for a long-range anti-ship missile to be filled by 2018. Directly supporting this UONS and significantly reducing Joint Force warfighting risks, the U.S. Navy initiated OASuW Increment 1 (OASuW-1), which leverages the Defense Advanced Research Projects Agency(DARPA)/Office of Naval Research Long Range Anti-Ship Missile (LRASM) demonstration program to deliver an Early Operational Capability (EOC) in the required timeframe. LRASM fills the most urgent air-launched capability gap to complement existing ASuW weapon systems and positions the Department of Defense to address evolving surface warfare threats. LRASM is integral to realizing the National Defense Strategy of combat-credible military forces to deter war, protect the security of our nation and to enable the Joint Force to win should deterrence fail. The development and acquisition of LRASM has been structured to be fielded at a pace relevant to maintain overmatch against long-term strategic competition. Specifically, LRASM directly contributes to building a more lethal force and is a critical enabler for joint lethality in contested environments; deterring adversaries from aggression; ensuring common domains remain open and maintaining favorable regional balances of power.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: OASuW Development Program	34.761	6.580	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2023 Plans: LRASM 1.1 capability improvements conclude in FY 2023 as the program will be applying Quick Reaction Assessment (QRA) Testing results to a fielding decision for the LRASM 1.1 configuration and progressing to operational test.					
FY 2024 Base Plans: N/A					
FY 2024 OCO Plans: N/A					
FY 2023 to FY 2024 Increase/Decrease Statement:					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
The OASuW Increment 1 development program concludes with FY 2023 funding upon the completion of LRASM 1.1 capability improvements.					
Title: OASuW Development Program Support	0.990	0.000	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2023 Plans: N/A					
FY 2024 Base Plans: N/A					
FY 2024 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	35.751	6.580	0.000	0.000	0.000

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
• WPN/2291: LRASM	161.212	219.662	639.636	-	639.636	180.439	334.313	406.150	413.359	0.000	2,809.833

Remarks

D. Acquisition Strategy

OASuW-1 is using an accelerated acquisition approach, with streamlined governance to transition the DARPA/ONR-demonstrated Long Range Anti-Ship Missile (LRASM) for use as an air-launched weapon from USAF and USN platforms. LRASM is integral to realizing the National Defense Strategy of combat-credible military forces to deter war, protect the security of our nation and to enable the Joint Force to win should deterrence fail. LRASM supports greater performance of the acquisition system and is demonstrating the delivery of performance at the speed of relevance; organizational structure that supports innovation with a rapid approach that dramatically decreases the timeline from development to fielding. The program is leveraging DoDI 5000.02i Model 4 to structure the acquisition strategy, which includes a highly integrated and concurrent transition design, integration, and developmental / operational test program which successfully met the Early Operation Capability (EOC) fielding threshold required by an Urgent Operational Need Statement (UONS) issued by the fleet. The program is structured in three phases: Technology Maturation, Integration and Test, and Procurement. To manage the accelerated timeline and resulting concurrency, the program uses a structured Knowledge Point review process that support decisions regarding significant program events such as transition from design to integration phase and contract awards. These reviews also provide senior DoD leadership the opportunity to provide focused support and active management of technical and acquisition risk and are chaired by the Service Acquisition Executive, ASN(RDA) (delegated MDA), and the Deputy Director of DARPA. The knowledge points are similar to acquisition milestone reviews, but occur

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<p>more frequently. Knowledge Point 7 supported Lot 3 procurement and Knowledge Point 8 supported USN EOC decision. The program met the statutory requirements associated with Milestone B at Knowledge Point 3. In addition to the Knowledge Point reviews, the program also conducts Executive Steering Board reviews (also chaired by the MDA). Supporting these reviews, the associated engineering approach is designed to mitigate resulting risk by implementing a rolling-wave engineering progression based on the NAVAIR Systems Engineering Technical Review (SETR) process to enable detailed planning and decisions as the system matures. The LRASM 1.1 capability improvements program, which initiated in FY 2019, follows in the same manner with continued reviews and test events to achieve incorporation of those improvements on future production units.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>	Project (Number/Name) 3337 / <i>Offensive Anti-Surface Warfare (OASuW) Weapon</i>
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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Product Development	C/CPHF	Lockheed Martin : Orlando, FL	1,030.009	19.806	Apr 2022	1.372	Feb 2023	0.000		-		0.000	0.000	1,051.187	1,051.187
Product Development	C/CPFF	Boeing : St. Louis, MO	63.003	0.000		0.000		0.000		-		0.000	0.000	63.003	63.003
Subtotal			1,093.012	19.806		1.372		0.000		-		0.000	0.000	1,114.190	N/A

Remarks
The OASuW Increment 1 development program concludes with FY 2023 funding upon the completion of LRASM 1.1 capability improvements.

Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Government Support	WR	NAWC AD : Patuxent River, MD	12.828	0.288	Jan 2022	0.200	Dec 2022	0.000		-		0.000	0.000	13.316	-
Government Support	WR	NAWC WD : China Lake, CA	69.229	3.970	Jan 2022	0.962	Jan 2023	0.000		-		0.000	0.000	74.161	-
Development Support	WR	NSMA : Washington, DC	44.302	2.422	Mar 2022	2.081	Mar 2023	0.000		-		0.000	0.000	48.805	-
Contractor Support	C/CPFF	JHU/APL : Laurel, MD	12.736	0.126	Mar 2022	0.000		0.000		-		0.000	0.000	12.862	12.862
Contractor Support	C/FFP	Gryphon - Schafer Corporation : Arlington, VA	25.938	0.000		0.000		0.000		-		0.000	0.000	25.938	25.938
Mission Planning Support	C/CPFF	Tapestry : San Diego, CA	12.196	0.459	Sep 2022	0.450	Sep 2023	0.000		-		0.000	0.000	13.105	13.105
Contractor Support	C/FFP	SAIC : Patuxent River, MD	2.986	0.025	Mar 2022	0.000		0.000		-		0.000	0.000	3.011	3.011
Contractor Support	Various	Various : Various	15.555	0.376	Nov 2021	0.213	Dec 2022	0.000		-		0.000	0.000	16.144	-
Government Support	Various	Various : Various	7.356	0.253	Jan 2022	0.000		0.000		-		0.000	0.000	7.609	-
Prior Yr Supp no longer funded in the FYDP	Various	Various : Various	2.800	0.000		0.000		0.000		-		0.000	0.000	2.800	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy												Date: March 2023			
Appropriation/Budget Activity 1319 / 4						R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>						Project (Number/Name) 3337 / <i>Offensive Anti-Surface Warfare (OASuW) Weapon</i>			

Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Development Support Class	WR	NSMA : Washington, DC	0.000	0.990	Apr 2022	0.000		0.000		-		0.000	0.000	0.990	-
Subtotal			205.926	8.909		3.906		0.000		-		0.000	0.000	218.741	N/A

Remarks
The OASuW Increment 1 development program concludes with FY 2023 funding upon the completion of LRASM 1.1 capability improvements.

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	NAWC WD : China Lake, CA	67.714	6.669	Jan 2022	0.992	Apr 2023	0.000		-		0.000	0.000	75.375	-
Developmental Test & Evaluation (DT&E)	WR	NAWC AD : Patuxent River, MD	34.180	0.120	Jan 2022	0.100	Jan 2023	0.000		-		0.000	0.000	34.400	-
Developmental Test & Evaluation (DT&E)	WR	COTF : Norfolk, VA	0.534	0.000		0.000		0.000		-		0.000	0.000	0.534	-
Developmental Test & Evaluation (DT&E)	MIPR	USAF : Various	5.900	0.000		0.000		0.000		-		0.000	0.000	5.900	-
Developmental Test & Evaluation (DT&E)	C/CPFF	NAVSUP : Port Hueneme, CA	0.225	0.000		0.000		0.000		-		0.000	0.000	0.225	0.225
Developmental Test & Evaluation (DT&E)	Various	Various : Various	23.801	0.000		0.000		0.000		-		0.000	0.000	23.801	-
Subtotal			132.354	6.789		1.092		0.000		-		0.000	0.000	140.235	N/A

Remarks
The OASuW Increment 1 development program concludes with FY 2023 funding upon the completion of LRASM 1.1 capability improvements.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>	Project (Number/Name) 3337 / <i>Offensive Anti-Surface Warfare (OASuW) Weapon</i>
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Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Government Support	WR	NAWC AD : Patuxent River, MD	13.462	0.000		0.000		0.000		-		0.000	0.000	13.462	-
Government Support	WR	NAWC WD : China Lake, CA	14.228	0.085	Jan 2022	0.075	Nov 2022	0.000		-		0.000	0.000	14.388	-
Project Management Support	C/CPFF	NAWC AD : Patuxent River, MD	1.600	0.083	Jan 2022	0.075	Jan 2023	0.000		-		0.000	0.000	1.758	1.758
Travel	Various	NAWC AD : Patuxent River, MD	1.627	0.079	Oct 2021	0.060	Oct 2022	0.000		-		0.000	0.000	1.766	-
Subtotal			30.917	0.247		0.210		0.000		-		0.000	0.000	31.374	N/A

Remarks
The OASuW Increment 1 development program concludes with FY 2023 funding upon the completion of LRASM 1.1 capability improvements.

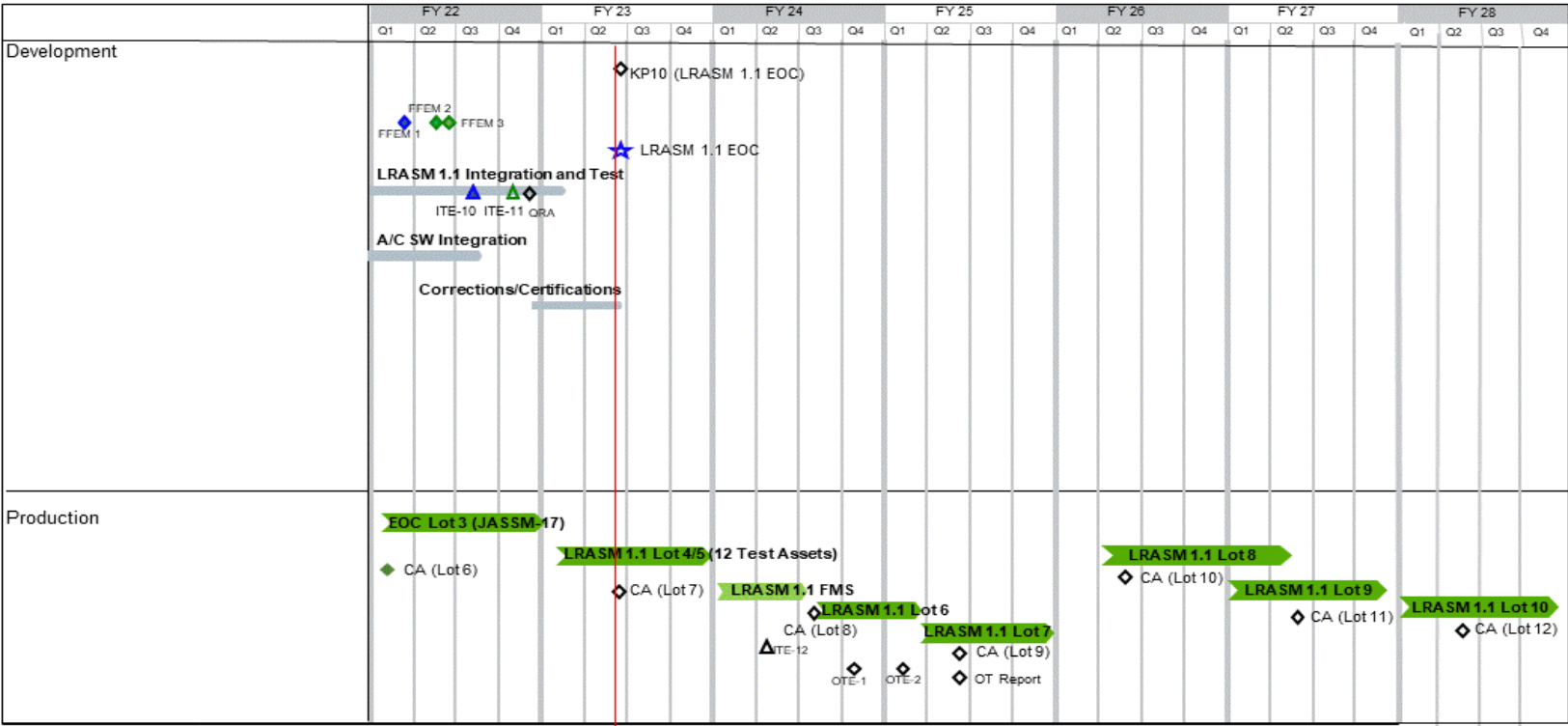
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	1,462.209	35.751	6.580	0.000	-	0.000	0.000	1,504.540	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / Offensive Anti-Surface Warfare Weapon Dev	Project (Number/Name) 3337 / Offensive Anti-Surface Warfare (OASuW) Weapon



OASuW Inc. 1 / LRASM PB24 Program Schedule



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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy **Date:** March 2023

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Proj 3337.S41	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028							
	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				
Classified support																																

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy		Date: March 2023
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Offensive Anti-Surface Weapon (OASuW)</i>				
Development: Knowledge Point 10 (LRASM v1.1)	2	2023	2	2023
Development: Early Operational Capability (LRASM v1.1) Navy	2	2023	2	2023
Development: LRASM 1.1 Integration & Test	1	2022	1	2023
Development: A/C Software Integration	1	2022	3	2022
Development: Free Flight Evaluation Missile (FFEM)-1	1	2022	1	2022
Development: FFEM-2	2	2022	2	2022
Development: FFEM-3	2	2022	2	2022
Development: Integrated Test Event (ITE)-10	3	2022	3	2022
Development: ITE-11	4	2022	4	2022
Development: Quick Reaction Assessment Testing (Navy)	4	2022	4	2022
Development: Corrections / Certifications	4	2022	2	2023
Production: FY 2022 Production Buy - (NAVY) (Lot 6)	1	2022	1	2022
Production: FY 2023 Production Buy - (AF, NAVY) (Lot 7)	2	2023	2	2023
Production: FY 2024 Production Buy - (AF, NAVY) (Lot 8)	3	2024	3	2024
Production: FY 2025 Production Buy - (AF, NAVY) (Lot 9)	2	2025	2	2025
Production: FY 2026 Production Buy - (AF, NAVY) (Lot 10)	2	2026	2	2026
Production: FY 2027 Production Buy - (AF, NAVY) (Lot 11)	2	2027	2	2027
Production: FY 2028 Production Buy - (AF, NAVY) (Lot 12)	2	2028	2	2028
Production: FY 2019 Deliveries	1	2022	1	2023
Production: FY 2020 Deliveries	1	2023	2	2023
Production: FY 2021 Deliveries	2	2023	1	2024

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy		Date: March 2023
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Production: FY 2022 Deliveries	3	2024	1	2025
Production: FY 2023 Deliveries	1	2025	4	2025
Production: FY 2024 Deliveries	2	2026	2	2027
Classified support: Classified support	3	2022	2	2023

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Appropriation/Budget Activity 1319 / 4					R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>				Project (Number/Name) 3343 / <i>Offensive Anti-Surface Warfare (OASuW) Weapon Increment II</i>			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
3343: <i>Offensive Anti-Surface Warfare (OASuW) Weapon Increment II</i>	0.000	0.000	151.871	95.797	-	95.797	99.327	83.220	84.517	86.213	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Department of the Navy is developing Offensive Anti-Surface Warfare Weapon Increment II (OASuW Inc 2), also known as Hypersonic Air-Launched OASuW (HALO), (PU 3343) to address weapon system requirements based on the OASuW Analysis of Alternatives (AoA). OASuW Inc 2/HALO will be a carrier-suitable, higher-speed, longer-range, air-launched weapon system providing superior Anti-Surface Warfare capabilities. The program is part of the Navy's Long Range Fires investment approach to meet objectives of the National Defense Strategy. As a key component of this strategy, OASuW Inc 2/HALO will address advanced threats from engagement distances that allow the Navy to operate in, and control, contested battle space in littoral waters and Anti-Access/Area Denial (A2/AD) environments. To the maximum extent possible, the Navy will leverage technology being matured in the Science and Technology (S&T) and rapid prototyping arenas to support aggressive schedule execution. The OASuW Inc 2/HALO program will progress through a competitive technical maturation and design development period which will provide the foundation for a sole-source Engineering, Manufacturing and Development contract. Department approved requirements are documented in a Service Level Capabilities Development Document. In order to counter the evolving near-peer threat capability, OASuW Inc 2/HALO is required to be fielded in FY 2029.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: OASuW Increment II/HALO Development Program	0.000	151.871	95.797	0.000	95.797
Articles:	-	-	-	-	-
FY 2023 Plans: This Program was an FY 2023 New Start. The Navy initiated a Technology Development program leveraging the results of the Analysis of Alternatives (AoA) and Science & Technology prototyping efforts and technology demonstrations. The program will make targeted investments in maturing subsystem technologies, as well as component or full-scale prototyping activities, for application in the OASuW mission set and associated environment. FY 2023 matures critical technologies and funds multiple contractors through Technical Review 1 (TR#1), an evaluation of the functional baseline's ability to satisfy the performance requirements.					
FY 2024 Base Plans:					

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>	Project (Number/Name) 3343 / <i>Offensive Anti-Surface Warfare (OASuW) Weapon Increment II</i>

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
FY 2024 continues the maturation of the critical technologies and prototyping efforts culminating in Technical Review 2 (TR#2). TR#2 is a technical assessment ensuring the physically allocated baseline will be operationally effective. FY 2024 OCO Plans: N/A FY 2023 to FY 2024 Increase/Decrease Statement: Decrease from FY 2023 to FY 2024 is due to FY 2023 congressional interest in supporting program increases to Hypersonic OASuW Inc II. FY 2024 will be the second year of execution and will continue progression of program efforts.					
Accomplishments/Planned Programs Subtotals	0.000	151.871	95.797	0.000	95.797

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

N/A

Remarks

D. Acquisition Strategy

The OASuW Inc 2/ HALO acquisition strategy was signed on 23 November 2022 by the Acquisition Decision Authority (ADA).

OASuW Inc 2/HALO will leverage significant Science & Technology investments in critical technologies and requirements definition to implement an acquisition strategy that will deliver an affordable capability to the warfighter. The acquisition strategy will define the program in terms of cost and performance parameters that will trace to mission objectives based on a robust understanding of the capability and technical trade space.

The Government expects the acquisition to follow a competitive, phased approach with initial activities focusing on system concepts, model-based systems engineering, preliminary design and technology development and technology integration efforts. Successful offerors may have the opportunity to continue with detailed design and production activities as part of future contracting efforts.

The effort involves the use of Digital Engineering (DE) and Model-Based Systems Engineering (MBSE) practices for requirements, design, trade studies, and analyses; as well as the use of DE/MBSE to accomplish technical planning for qualification, component/subsystem testing, manufacturing, and sustainment of the system under representative operational conditions in future phases of the program.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>	Project (Number/Name) 3343 / <i>Offensive Anti-Surface Warfare (OASuW) Weapon Increment II</i>
<p>The program will utilize a Middle Tier of Acquisition approach per Section 804 of the FY 2016 National Defense Authorization Act (NDAA), as amended in FY 2017 NDAA (codified at 10 U.S.C. sub sec 2302 note). It will be executed as a Rapid Prototyping effort with a focus on rapid development of a carrier-suitable hypersonic propulsion system.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>	Project (Number/Name) 3343 / <i>Offensive Anti-Surface Warfare (OASuW) Weapon Increment II</i>
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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Product Development - Preliminary Design	C/CPIF	NSMA : Washington, DC	0.000	0.000		67.100	Aug 2023	6.869	Aug 2024	-		6.869	Continuing	Continuing	Continuing
Product Development - Preliminary Design	C/FFP	TBD : TBD	0.000	0.000		62.810	Mar 2023	61.838	Mar 2024	-		61.838	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		129.910		68.707		-		68.707	Continuing	Continuing	N/A

Remarks
Prime contract and NSMA funding support initial funding to take vendor through preliminary design technical assessment. FY 2023 Congressional add of \$67.1M allows for second vendor through preliminary design, significantly reducing technical and schedule risk and preserving competition for second phase.

Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Government Support	WR	NAWCAD : Patuxent River, MD	0.000	0.000		8.467	Mar 2023	8.636	Nov 2023	-		8.636	Continuing	Continuing	Continuing
Government Support	WR	NAWCWD : China Lake, CA	0.000	0.000		3.894	Mar 2023	3.670	Nov 2023	-		3.670	Continuing	Continuing	Continuing
Development Support	C/CPFF	NSMA : Washington, DC	0.000	0.000		7.678	Mar 2023	6.711	Jan 2024	-		6.711	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		20.039		19.017		-		19.017	Continuing	Continuing	N/A

Remarks
Support costs consist of support from Government offices and contractor support experts associated with engineering, technical reviews, threat analysis, CONOPs, training and tactical assessments for OASuW Increment 2.

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	NAWCAD : Patuxent River, MD	0.000	0.000		0.000		0.862	Nov 2023	-		0.862	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>	Project (Number/Name) 3343 / <i>Offensive Anti-Surface Warfare (OASuW) Weapon Increment II</i>
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Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	NAWCWD : China Lake, CA	0.000	0.000		0.000		2.255	Nov 2023	-		2.255	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	TBD	TBD : TBD	0.000	0.000		0.000		3.000	Jan 2024	-		3.000	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		0.000		6.117		-		6.117	Continuing	Continuing	N/A

Remarks
Test and Evaluation costs consist of support from Government offices associated with establishing test and evaluation requirements and test plans for OASuW Increment 2 as well as efforts to standup modeling and simulation. Additionally, initial investments are required to develop new maritime targets.

Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Government Support	WR	NAWCAD : Patuxent River, MD	0.000	0.000		0.937	Mar 2023	0.956	Nov 2023	-		0.956	Continuing	Continuing	Continuing
Government Support	WR	NAWCWD : China Lake, CA	0.000	0.000		0.985	Mar 2023	1.000	Nov 2023	-		1.000	Continuing	Continuing	Continuing
Subtotal			0.000	0.000		1.922		1.956		-		1.956	Continuing	Continuing	N/A

Remarks
Management services consists of Non-Headquarters Program Office management teams required for the management of the program.

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	0.000	151.871	95.797	-	95.797	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy

Date: March 2023

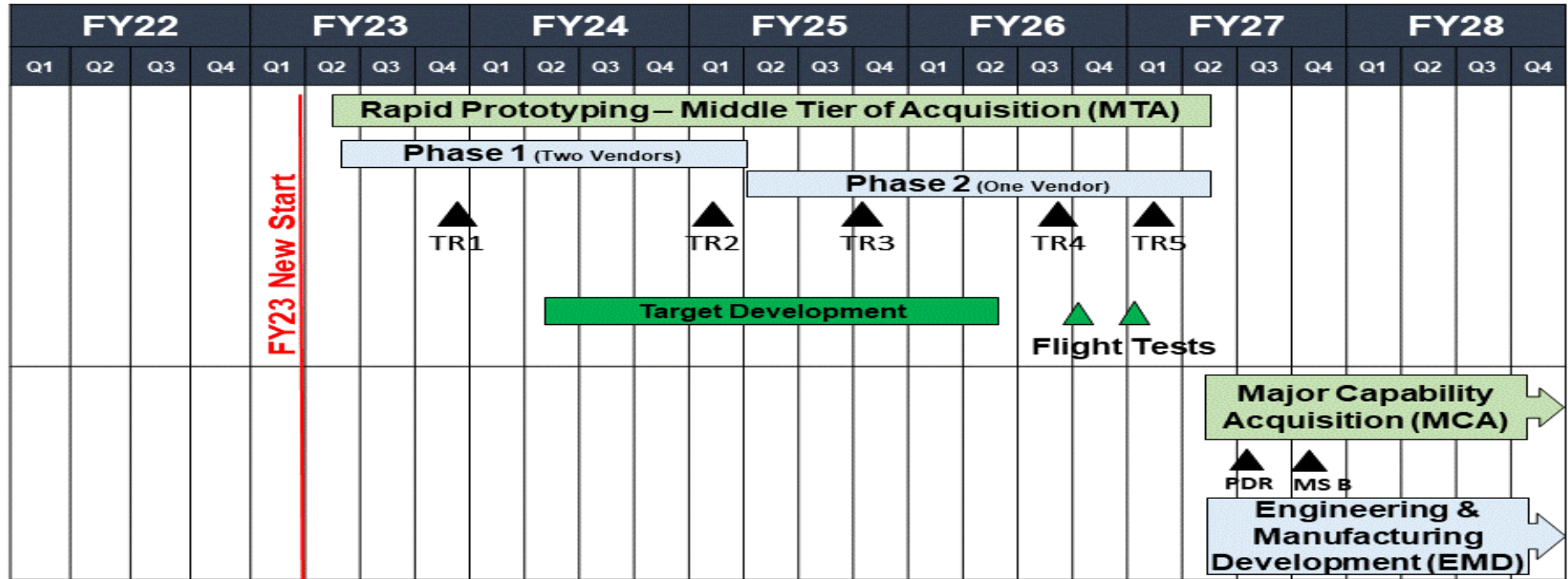
Appropriation/Budget Activity
1319 / 4

R-1 Program Element (Number/Name)
PE 0604786N / Offensive Anti-Surface Warfare Weapon Dev

Project (Number/Name)
3343 / Offensive Anti-Surface Warfare (OASuW) Weapon Increment II



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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>	Project (Number/Name) 3343 / <i>Offensive Anti-Surface Warfare (OASuW) Weapon Increment II</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3343				
OASuW Increment 2/HALO: Rapid Prototyping - Middle Tier of Acquisition (MTA)	2	2023	2	2027
OASuW Increment 2/HALO: Phase 1 (Two Vendors)	2	2023	2	2025
OASuW Increment 2/HALO: Phase 2 (One Vendor)	2	2025	2	2027
OASuW Increment 2/HALO: Major Capability Acquisition (MCA) - Major Defense Acquisition Program (MDAP)	2	2027	4	2028
OASuW Increment 2/HALO: EMD Contract	2	2027	4	2028
Acquisitions Milestones: Preliminary Design Review	3	2027	3	2027
Acquisitions Milestones: Milestone B	4	2027	4	2027
Systems Development: Technical Review 1	4	2023	4	2023
Systems Development: Technical Review 2	1	2025	1	2025
Systems Development: Technical Review 3	4	2025	4	2025
Systems Development: Technical Review 4	3	2026	3	2026
Systems Development: Technical Review 5	1	2027	1	2027
Test and Evaluation: Target Development	2	2024	2	2026
Test and Evaluation: Flight Test 1	4	2026	4	2026
Test and Evaluation: Flight Test 2	1	2027	1	2027

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>	Project (Number/Name) 3466 / LRASM C-3
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
3466: LRASM C-3	0.000	39.342	65.375	141.858	-	141.858	185.424	93.301	29.537	11.901	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The LRASM C-3 (PU 3466) is established to enhance the Navy's OASuW and incorporate a long range strike capability into the Navy's arsenal derived from the Navy's AGM-158C-1 LRASM and the Air Force's AGM-158 JASSM-ER. The Navy will integrate an AGM-158 derived weapon with extended range, enhanced radio and survivability onto F/A-18 aircraft and partner with USAF to further the capabilities of the AGM-158 product line. This funding line resources requirements for Navy strike mission integration and employment by upgrading the existing AGM-158C product to respond to rapidly changing threats.

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

	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Title: LRASM C-3 Development Program	39.342	65.375	141.858	0.000	141.858
Articles:	-	-	-	-	-
FY 2023 Plans: Continue development of LRASM C-3 land strike software, Beyond Line of Sight Software Weapons Data Link, enhanced range, advanced survivability, and integration on F/A-18. Develop software for strike mission planning, and missile Operational Flight Plan (OFP). Begin integration, ground and flight testing for shipboard storage and operations.					
FY 2024 Base Plans: Continue development of LRASM C-3 land strike software, Beyond Line of Sight Software Weapons Data Link, enhanced range, advanced survivability, and integration on F/A-18. Complete design verification test for the radio and subsystem and integrate M-Code radio. Continue development of software for strike mission planning, and missile Operational Flight Plan (OFP). Continue integration, ground and flight testing for shipboard storage and operations. Continue Subsystem development and Subsystem Qualification testing. Start construction of the free flight evaluation missiles. Complete Critical Design Review.					
FY 2024 OCO Plans: N/A					
FY 2023 to FY 2024 Increase/Decrease Statement:					

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>	Project (Number/Name) 3466 / LRASM C-3
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
The increase from FY 2023 to FY 2024 supports the Navy's position to continue the aggressive acceleration of the C-3 development efforts to provide BLOS, enhanced range and advanced survivability to the LRASM family of weapons.					
Accomplishments/Planned Programs Subtotals	39.342	65.375	141.858	0.000	141.858

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

<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• WPN/2291: LRASM	161.212	219.662	639.636	-	639.636	180.439	334.313	406.150	413.359	0.000	2,809.833
• WPN/2236: JASSM-ER Navy (AGM-158C-3)	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Remarks
USN AGM-158 variant

D. Acquisition Strategy
The USAF owned JASSM Acquisition Strategy was amended and approved on September 8, 2017 for the development of the AGM-158B-2/D. This amendment enables the LRASM C-3 program to introduce upgrades which ensure its viability as the threat environment evolves.

The Navy is leveraging USAF and USN investment in the AGM-158 family of weapons to provide a strike capability and enable further growth in the OASuW mission to optimize schedule, cost and performance tradeoffs. Utilization of the JASSM-ER/AGM-158 baseline enables rapid fielding of new capability without extensive non-recurring engineering and test efforts that would be required with a new weapon program. Commonality across the AGM-158 family enables the USN and USAF to continue to capitalize on joint development and production efficiencies to minimize recurring unit costs and improve operational flexibility.

Navy funded software development will leverage the USAF investment to convert JASSM-ER software to a C++ software baseline, similar to LRASM, and focus on combining JASSM-ER range and strike capability, Beyond Line of Sight Weapons Data Link, advanced survivability, and LRASM OASuW capability into a merged Navy AGM-158 baseline. Future effort will expand both Navy strike and OASuW capabilities within the program.

The Navy will produce an addendum to the AGM-158 acquisition strategy to address Navy unique integration requirements.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>	Project (Number/Name) 3466 / <i>LRASM C-3</i>
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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Product Development	C/CPFF	Lockheed Martin Missile and Fire Control : Orlando, FL	0.000	26.624	Jun 2022	50.000	Mar 2023	84.954	Dec 2023	-		84.954	Continuing	Continuing	Continuing
Product Development	C/CPFF	NSMA : Washington DC	0.000	3.873	May 2022	0.000		13.500	Dec 2023	-		13.500	0.000	17.373	17.373
Product Development - Integration	C/CPFF	Lockheed Martin : Orlando, FL	0.000	1.250	May 2022	0.000		0.000		-		0.000	0.000	1.250	1.250
Product Development	C/CPFF	Data Link Solutions : Cedar Rapids, IA	0.000	4.500	Apr 2022	0.600	Apr 2023	10.000	Dec 2023	-		10.000	0.000	15.100	15.100
Subtotal			0.000	36.247		50.600		108.454		-		108.454	Continuing	Continuing	N/A

Remarks
Continued prime contractor product development and radio integration of AGM-158 derived capability for the Navy. Funds software development and integration for mission planning, UAI and OFP. Integration testing and test support. Begin Hardware Technical Data Package (TDP) and software development efforts towards an enhanced communications development.

Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Government Support	WR	NAWC AD : Patuxent River, MD	0.000	0.104	Apr 2022	2.585	Nov 2022	5.000	Nov 2023	-		5.000	Continuing	Continuing	Continuing
Government Support	WR	NAWC WD : China Lake, CA	0.000	0.450	Apr 2022	5.145	Nov 2022	6.000	Nov 2023	-		6.000	Continuing	Continuing	Continuing
Contractor Support	C/CPFF	NAWC AD : Patuxent River, MD	0.000	0.065	Jun 2022	1.326	Mar 2023	2.904	Mar 2024	-		2.904	Continuing	Continuing	Continuing
Contractor Support	C/CPFF	NSMA : Washington, DC	0.000	0.040	May 2022	3.586	Mar 2023	1.500	Dec 2023	-		1.500	Continuing	Continuing	Continuing
Contractor Support	C/CPFF	MIT Lincoln Lab : Lexington, MA	0.000	0.300	Jun 2022	0.300	Feb 2023	0.000		-		0.000	0.000	0.600	0.600
Subtotal			0.000	0.959		12.942		15.404		-		15.404	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>	Project (Number/Name) 3466 / <i>LRASM C-3</i>
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Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			

Remarks
Support costs consist of support from government office and contractor support experts associated with engineering, software development and integration, threat analysis, CONOPs, and training and tactical assessments. Support of enhanced communications development. Costs increase from FY 2023 to FY 2024 in order to support the accelerated development of the C-3 and the transition of labor requirements to C-3 with the completion of LRASM 1.1 Development effort.

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Developmental Test & Evaluation (DT&E)	WR	NAWC AD : Patuxent River, MD	0.000	0.000		0.000		1.000	Nov 2023	-		1.000	Continuing	Continuing	Continuing
Developmental Test & Evaluation (DT&E)	WR	NAWC WD : China Lake, CA	0.000	2.113	Apr 2022	0.699	Mar 2023	8.000	Nov 2023	-		8.000	Continuing	Continuing	Continuing
Subtotal			0.000	2.113		0.699		9.000		-		9.000	Continuing	Continuing	N/A

Remarks
Test and Evaluation costs support test planning, flight testing, system qualifications, range time and target costs. Develops and executes the Navy AGM-158 integrated test program. Costs increase from FY 2023 to FY 2024 in order to support the accelerated development of the C-3, to include the Fuel System Test and Insensitive Munitions Test.

Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Government Support	WR	NAWC AD : Patuxent River, MD	0.000	0.000	Apr 2022	0.630	Nov 2022	4.000	Nov 2023	-		4.000	Continuing	Continuing	Continuing
Government Support	WR	NAWC WD : China Lake, CA	0.000	0.023	Apr 2022	0.504	Nov 2022	5.000	Nov 2023	-		5.000	Continuing	Continuing	Continuing
Subtotal			0.000	0.023		1.134		9.000		-		9.000	Continuing	Continuing	N/A

Remarks
Management services cost consist of non-headquarters program office management team (government labor and contractor support services) required for the management of the program. Cost increase from FY 2023 to FY 2024 in order to support the accelerated development of C-3 and the transition of labor requirements to C-3 with the completion of the LRASM 1.1 Development effort.

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy

Date: March 2023

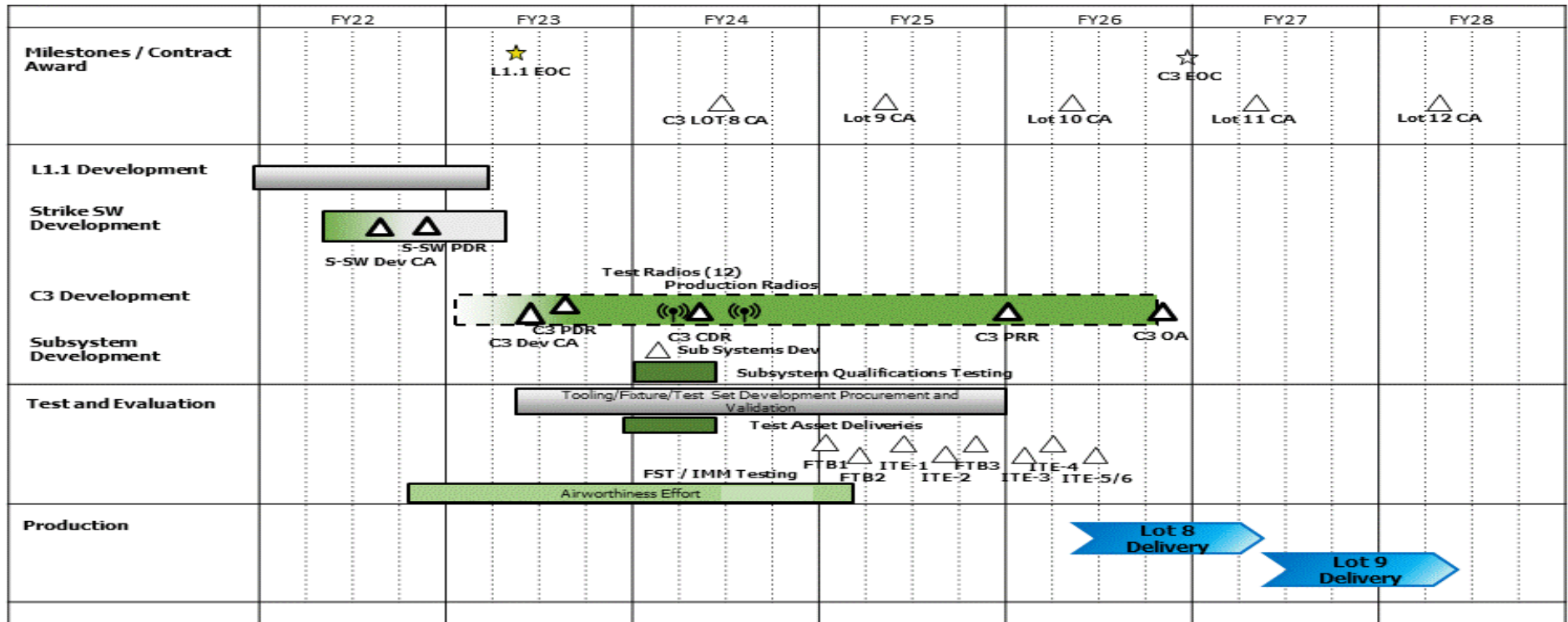
Appropriation/Budget Activity
1319 / 4

R-1 Program Element (Number/Name)
PE 0604786N / Offensive Anti-Surface War
fare Weapon Dev

Project (Number/Name)
3466 / LRASM C-3



LRASM C-3 PB24 Schedule



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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy		Date: March 2023
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>	Project (Number/Name) 3466 / LRASM C-3

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3466				
Milestones / Contract Awards: LRASM C-3 Early Operational Capability	4	2026	4	2026
Milestones / Contract Awards: FY 2024 Contract Award	2	2024	2	2024
Milestones / Contract Awards: FY 2025 Contract Award	2	2025	2	2025
Milestones / Contract Awards: FY 2026 Contract Award	2	2026	2	2026
Milestones / Contract Awards: FY 2027 Contract Award	2	2027	2	2027
Milestones / Contract Awards: FY 2028 Contract Award	2	2028	2	2028
Development: Strike S/W Development	2	2022	2	2023
Development: Strike S/W Development Contract Award	3	2022	3	2022
Development: Strike S/W Preliminary Design Review	4	2022	4	2022
Development: LRASM C3 Development Contract Award	2	2023	2	2023
Development: LRASM C-3 Preliminary Design Review	3	2023	3	2023
Development: LRASM C-3 Critical Design Review	2	2024	2	2024
Development: LRASM C-3 PRR	1	2026	1	2026
Development: LRASM C-3 OA	4	2026	4	2026
Development: Subsystem Qualifications Testing	1	2024	2	2024
Test and Evaluation: Tooling/Fixture/Test Set Development Procurement and Validation	2	2023	1	2026
Test and Evaluation: FTB1	1	2025	1	2025
Test and Evaluation: FTB2	1	2025	1	2025
Test and Evaluation: FTB3	4	2025	4	2025
Test and Evaluation: ITE-1	2	2025	2	2025

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy **Date:** March 2023

Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / <i>Offensive Anti-Surface Warfare Weapon Dev</i>	Project (Number/Name) 3466 / LRASM C-3
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Test and Evaluation: ITE-2	3	2025	3	2025
Test and Evaluation: ITE-3	1	2026	1	2026
Test and Evaluation: ITE-4	2	2026	2	2026
Test and Evaluation: ITE-5/6	2	2026	2	2026
Test and Evaluation: Airworthiness Effort	4	2022	1	2025
Test and Evaluation: Fuel System Test and Insensitive Munitions Testing	3	2024	4	2024
Production: FY 2024 Deliveries	2	2026	2	2027
Production: FY 2025 Deliveries	2	2027	2	2028