Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Navy	Date: April 2022
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 Program Element (Number/Name)** PE 0604786N *I Offensive Anti-Surface Warfare Weapon Dev*

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	1,416.747	45.462	70.792	124.204	-	124.204	98.480	102.464	86.334	87.652	Continuing	Continuing
3337: *Offensive Anti-Surface Warfare (OASuW) Weapon*	1,416.747	45.462	35.930	12.839	-	12.839	0.000	0.000	0.000	0.000	0.000	1,510.978
3343: *Offensive Anti-Surface Warfare (OASuW) Weapon Increment II*	0.000	0.000	0.000	92.471	-	92.471	85.336	98.988	82.870	84.152	Continuing	Continuing
3466: *JASSM*	0.000	0.000	34.862	18.894	-	18.894	13.144	3.476	3.464	3.500	Continuing	Continuing

Program MDAP/MAIS Code:
Project MDAP/MAIS Code(s): P449

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), (PU 3343) to address weapon system requirements based on the OASuW Analysis of Alternatives (AoA). OASuW Inc 2/HALO will be a 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 draft Capability Development Document. In order to counter the evolving near-peer threat capability, OASuW Inc 2/HALO is required to be fielded in FY 2028. PU 3343 is an FY 2023 New Start.

Project 3466 - The JASSM program, also called AGM-158C-3 (PU 3466), is established to 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. This strike capability will also enhance the OASuW mission. The Navy will integrate an

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Navy	Date: April 2022
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 Program Element (Number/Name)** PE 0604786N *I Offensive Anti-Surface Warfare Weapon Dev*

AGM-158 derived weapon 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.

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 complete 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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	46.750	127.756	0.000	-	0.000
Current President's Budget	45.462	70.792	124.204	-	124.204
Total Adjustments	-1.288	-56.964	124.204	-	124.204
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-56.964			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.288	0.000			
• Program Adjustments	0.000	0.000	0.000	-	0.000
• Rate/Misc Adjustments	0.000	0.000	0.000	-	0.000
• Adjustments to Budget Year	-	-	124.204	-	124.204

Change Summary Explanation

FY22 contract award for Project 3466 has been delayed since the previous President's budget submission due to the project being a New Start that could not commence until approval of the FY22 Appropriations bill.

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Navy	Date: April 2022
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 Program Element (Number/Name)** PE 0604786N *I Offensive Anti-Surface Warfare Weapon Dev*

PU 3343 FY22 reduced by -$56.964M for lack of program justification. Program schedule delayed by one year.

FY 2023 funding increase reflects the fact that the FY 2022 President’s Budget request did not include out-year funding.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy			Date: April 2022
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*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
3337: *Offensive Anti-Surface Warfare (OASuW) Weapon*	1,416.747	45.462	35.930	12.839	-	12.839	0.000	0.000	0.000	0.000	0.000	1,510.978
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

Project MDAP/MAIS Code: P449

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Title: OASuW Development Program	45.462	35.930	12.839	0.000	12.839
Articles:	-	-	-	-	-
FY 2022 Plans: LRASM 1.1 capability improvements realizes a ramp down in FY 2022 as the program transitions to final operational testing prior to delivery of the LRASM 1.1 EOC to the Fleet.					
FY 2023 Base Plans: LRASM 1.1 capability improvements complete 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 2023 OCO Plans:					

Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy		Date: April 2022
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*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
N/A ***FY 2022 to FY 2023 Increase/Decrease Statement:*** The OASuW Increment 1 development program concludes with FY 2023 funding upon the completion of LRASM 1.1 capability improvements.					
Accomplishments/Planned Programs Subtotals	45.462	35.930	12.839	0.000	12.839

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• WPN/2291: *LRASM*	134.065	161.212	226.022	-	226.022	221.127	152.944	155.705	156.430	0.000	1,585.099

Remarks

U.S. Navy WP,N funding supports the following quantities:

FY17 - 14 (Lot 1)
FY18 - 34 (Lot 2)
FY19 - 34 (Lot 3) 1 unit that was priced at and part of the Lot 2 procurement)
FY20 - 17 (Lot 4)
FY21 - 43 (Lot 5)
FY22 - 48 (Lot 6)
FY23 - 60 (Lot 7)
FY24 - 61 (Lot 8)
FY25 - 46 (Lot 9)
FY26 - 47 (Lot 10)
FY27 - 46 (Lot 11)

U.S. Air Force MP,AF funding supports the following quantities:

FY17 - 19 (Lot 1)
FY18 - 16 (1 unit is priced at and part of FY 2017 Lot 1 procurement to achieve 20 total Air Force units in Lot 1; 15 units are with the FY 2018 Lot 2 procurement)
FY19 - 15 (Lot 3)
FY20 - 0 (Lot 4)
FY21 - 6 (Lot 5)

Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy		Date: April 2022
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*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
FY22 - 0 (Lot 6)											
FY23 - 28 (Lot 7)											
FY24 - 20 (Lot 8)											
FY25 - 19 (Lot 9)											
FY26 - 24 (Lot 10)											
FY27 - 30 (Lot 11)											

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 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.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy		Date: April 2022
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*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development	C/CPIF	Lockheed Martin Missile and Fire Control : Orlando, FL	1,010.300	19.709	Oct 2020	20.583	Oct 2021	12.259	Oct 2022	-		12.259	0.000	1,062.851	1,062.851
Product Development	C/CPFF	Boeing : St. Louis, MO	61.503	1.500	Mar 2021	0.000		0.000		-		0.000	0.000	63.003	63.003
		Subtotal	1,071.803	21.209		20.583		12.259		-		12.259	0.000	1,125.854	N/A

Remarks

LRASM 1.1 capability improvements complete in FY 2023 as the program will be applying QRA Testing results to a fielding decision for the LRASM 1.1 configuration and progressing to operational test.

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Support	WR	NAWC AD : Patuxent River,MD	10.752	2.076	Nov 2020	0.400	Nov 2021	0.100	Nov 2022	-		0.100	0.000	13.328	-
Government Support	WR	NAWC WD : China Lake, CA	64.216	5.013	Nov 2020	1.800	Nov 2021	0.100	Nov 2022	-		0.100	0.000	71.129	-
Development Support	WR	NSMA : Washington, DC	37.758	6.544	Nov 2020	1.760	Nov 2021	0.000		-		0.000	0.000	46.062	-
Contractor Support	C/CPFF	JHU/APL : Laurel, MD	12.736	0.000		0.000		0.000		-		0.000	0.000	12.736	12.736
Contractor Support	C/FFP	Gryphon - Schafer Corporation : Arlington, VA	24.160	1.778	May 2021	1.256	May 2022	0.000		-		0.000	0.000	27.194	27.194
Mission Planning Support	C/CPFF	Tapestry : San Diego, CA	11.956	0.240	Feb 2021	0.300	Feb 2022	0.000		-		0.000	0.000	12.496	12.496
Contractor Support	C/FFP	SAIC : Patuxent River, MD	2.686	0.300	Jun 2021	0.350	Jun 2022	0.000		-		0.000	0.000	3.336	3.336
Contractor Support	Various	Various : Various	12.904	2.651	Nov 2020	0.700	Nov 2021	0.000		-		0.000	0.000	16.255	-
Government Support	Various	Various : Various	7.176	0.180	Nov 2020	0.075	Nov 2021	0.000		-		0.000	0.000	7.431	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy		Date: April 2022
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*

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
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	-
		Subtotal	187.144	18.782		6.641		0.200		-		0.200	0.000	212.767	N/A

Remarks

Support costs consist of support from Government offices and Contractor Support experts associated with engineering, threat analysis, CONOPs, and Training and Tactical assessments for continued development of the LRASM 1.1 capability improvements.

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Development Support	WR	NAWC WD : China Lake, CA	63.793	3.921	Nov 2020	6.064	Nov 2021	0.000		-		0.000	0.000	73.778	-
Development Support	WR	NAWC AD : Patuxent River, MD	34.180	0.000	Nov 2020	1.000	Nov 2021	0.000		-		0.000	0.000	35.180	-
Development Support	WR	COTF : Norfolk, VA	0.527	0.007	Sep 2021	0.150	Sep 2022	0.000		-		0.000	0.000	0.684	-
Development Support	MIPR	USAF : Various	5.900	0.000		0.000		0.000		-		0.000	0.000	5.900	-
Contractor Eng Support	C/CPFF	NAVSUP : Port Hueneme, CA	0.150	0.075	Sep 2021	0.075	Sep 2022	0.000		-		0.000	0.000	0.300	0.300
Prior Yr T&E no longer funded in the FYDP	Various	Various : Various	23.801	0.000		0.000		0.000		-		0.000	0.000	23.801	-
		Subtotal	128.351	4.003		7.289		0.000		-		0.000	0.000	139.643	N/A

Remarks

Test and Evaluation costs support flight testing, system qualifications, range time, and target costs needed for LRASM 1.1 capability improvements.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy			Date: April 2022
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*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Support	WR	NAWC AD : Patuxent River, MD	12.133	1.329	Nov 2020	1.000	Nov 2021	0.220	Nov 2022	-		0.220	0.000	14.682	-
Government Support	WR	NAWC WD : China Lake, CA	14.147	0.081	Nov 2020	0.287	Nov 2021	0.150	Nov 2022	-		0.150	0.000	14.665	-
Project Management Support	C/CPFF	NAWC AD : Patuxent River, MD	1.600	0.000		0.000		0.000		-		0.000	0.000	1.600	1.600
Travel	Various	NAWC AD : Patuxent River, MD	1.569	0.058	Oct 2020	0.130	Oct 2021	0.010	Oct 2022	-		0.010	0.000	1.767	-
		Subtotal	29.449	1.468		1.417		0.380		-		0.380	0.000	32.714	N/A

Remarks

Management Services costs consist of Non-Headquarters Program Office Management team (Government labor and Contractor support services) required for the management of the program. Continues management services for the LRASM 1.1 capability improvements.

	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	1,416.747	45.462		35.930		12.839		-		12.839	0.000	1,510.978	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Navy		Date: April 2022
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 PB23 Program Schedule

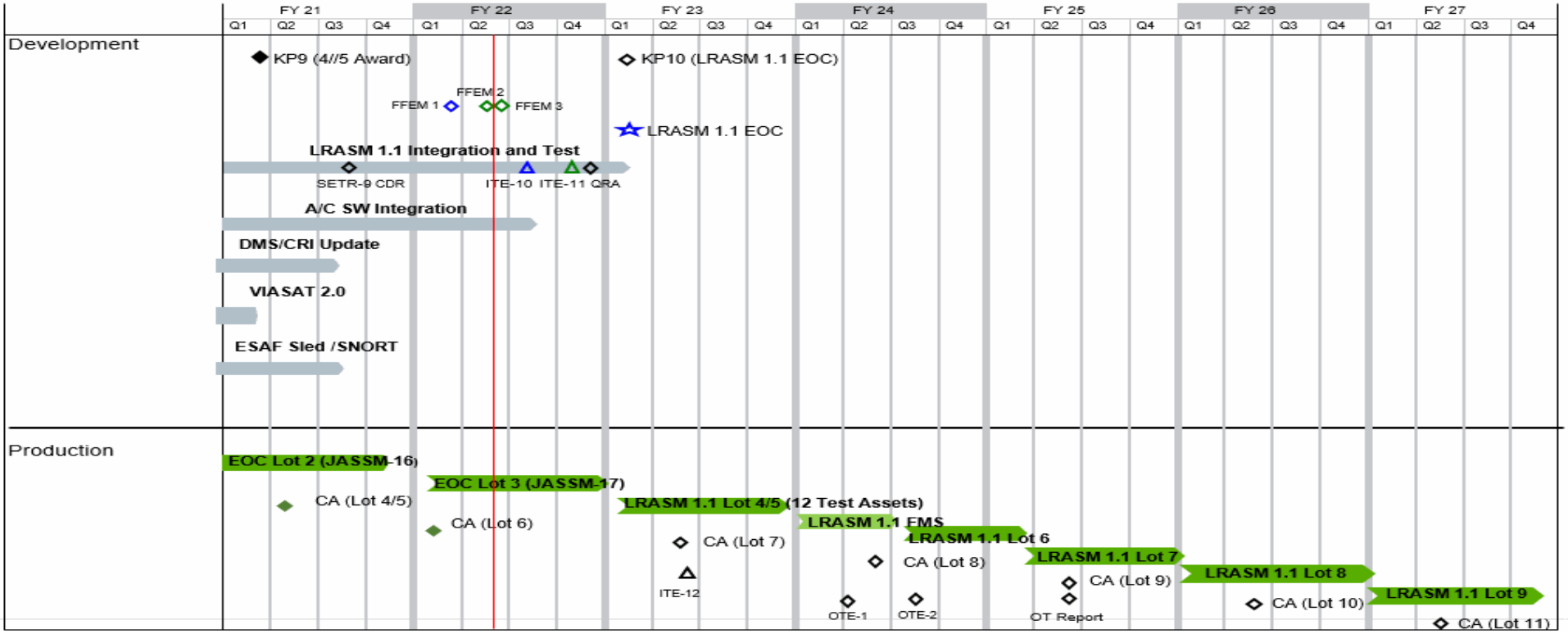

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Navy		Date: April 2022
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604786N / *Offensive Anti-Surface Warfare Weapon Dev*	**Project (Number/Name)** 3337 / *Offensive Anti-Surface Warfare (OASuW) Weapon*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Offensive Anti-Surface Weapon (OASuW)				
Development: Knowledge Point 9 (LRASM v1.1)	1	2021	1	2021
Development: Knowledge Point 10 (LRASM v1.1)	1	2023	1	2023
Development: Early Operational Capability (LRASM v1.1) Navy	1	2023	1	2023
Development: LRASM 1.1 Integration & Test	1	2021	1	2023
Development: LRASM 1.1 Integration & Test CDR (SETR-9)	3	2021	3	2021
Development: A/C Software Integration	1	2021	3	2022
Development: Diminishing Manufacturing Sources / Cost Reduction Initiative (Radio Frequency Sensor)	1	2021	3	2021
Development: VIASAT 2.0	1	2021	1	2021
Development: ESAF Sled / SNORT (Fuze)	1	2021	3	2021
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
Production: FY20 Production Buy - 17 units (17 NAVY) (Lot 4)	2	2021	2	2021
Production: FY21 Production Buy - 49 units (6 AF, 43 NAVY) (Lot 5)	2	2021	2	2021
Production: FY22 Production Buy - 48 units (48 NAVY) (Lot 6)	1	2022	1	2022
Production: FY23 Production Buy - 88 units (28 AF, 60 NAVY) (Lot 7)	2	2023	2	2023
Production: FY24 Production Buy - 81 units (20 AF, 61 NAVY) (Lot 8)	2	2024	2	2024

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Navy		Date: April 2022
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*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Production: FY25 Production Buy - 65 units (19 AF, 46 NAVY) (Lot 9)	2	2025	2	2025
Production: FY26 Production Buy - 71 units (24 AF, 47 NAVY) (Lot 10)	2	2026	2	2026
Production: FY27 Production Buy - 76 units (30 AF, 46 NAVY) (Lot 11)	2	2027	2	2027
Production: FY18 Deliveries - 50 units	1	2021	4	2021
Production: FY19 Deliveries - 48 units	1	2022	1	2023
Production: FY20 Deliveries - 17 units	1	2023	2	2023
Production: FY21 Deliveries - 49 units	2	2023	1	2024
Production: FY22 Deliveries - 48 units	3	2024	1	2025
Production: FY23 Deliveries - 88 units	1	2025	1	2026
Production: FY24 Deliveries - 81 units	1	2026	1	2027
Production: FY25 Deliveries - 65 units	1	2027	4	2027

Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy			Date: April 2022
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*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
3343: *Offensive Anti-Surface Warfare (OASuW) Weapon Increment II*	0.000	0.000	0.000	92.471	-	92.471	85.336	98.988	82.870	84.152	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 Increment 2 (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 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 draft Capabilities Development Document. In order to counter the evolving near-peer threat capability, OASuW Inc 2/HALO is required to be fielded in FY 2028.
FY 2023 New Start

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Title: OASuW Increment II/HALO Development Program	0.000	0.000	92.471	0.000	92.471
Articles:	-	-	-	-	-
FY 2022 Plans: N/A					
FY 2023 Base Plans: The Navy will initiate 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					

Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy		Date: April 2022
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*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
mission set and associated environment. FY 2023 matures critical technologies and funds multiple contractors through System Requirements Review (SRR). This includes Weapon Data Link (WDL) subsystem development. ***FY 2023 OCO Plans:*** N/A ***FY 2022 to FY 2023 Increase/Decrease Statement:*** Increase from FY 2022 to FY 2023 is due to OASuW Inc 2/HALO development moving into the first year of execution. FY 2023 program activities initiate multiple vendors maturing a design to include System Requirements Reviews and Weapon Data Link (WDL) subsystem development ramp up.					
Accomplishments/Planned Programs Subtotals	0.000	0.000	92.471	0.000	92.471

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

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.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy		Date: April 2022
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*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development	C/CPIF	NSMA : Washington, DC	0.000	0.000		0.000		44.258	Nov 2022	-		44.258	Continuing	Continuing	Continuing
Product Development - Propulsion	TBD	Various : Various	0.000	0.000		0.000		4.000	Jan 2023	-		4.000	0.000	4.000	4.000
Product Development - Weapon Data Link (WDL)	C/IDIQ	TBD : TBD	0.000	0.000		0.000		10.318	Nov 2022	-		10.318	Continuing	Continuing	Continuing
		Subtotal	0.000	0.000		0.000		58.576		-		58.576	Continuing	Continuing	N/A

Remarks

Product development activities focus on three areas:
Software development, modeling and simulation and maturation of propulsion and weapon data link (WDL) technologies. NSMA funding supports multiple vendors through Preliminary Design Review (PDR).

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Support	WR	NAWCAD : Patuxent River, MD	0.000	0.000		0.000		6.449	Nov 2022	-		6.449	Continuing	Continuing	Continuing
Government Support	WR	NAWCWD : China Lake, CA	0.000	0.000		0.000		7.893	Nov 2022	-		7.893	Continuing	Continuing	Continuing
Development Support	C/CPFF	NSMA : Washington, DC	0.000	0.000		0.000		8.254	Jan 2023	-		8.254	Continuing	Continuing	Continuing
Contractor Support	Various	Various : Various	0.000	0.000		0.000		0.258	Jan 2023	-		0.258	Continuing	Continuing	Continuing
		Subtotal	0.000	0.000		0.000		22.854		-		22.854	Continuing	Continuing	N/A

Remarks

Support costs consist of support from Government offices and contractor support experts associated with the engineering, threat analysis, CONOPs, training and tactical assessments for OASuW Increment 2. Contractor evaluation and support of multiple PDRs.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy		Date: April 2022
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*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Support	WR	NAWCAD : Patuxent River, MD	0.000	0.000		0.000		3.302	Nov 2022	-		3.302	Continuing	Continuing	Continuing
Government Support	WR	NAWCWD : China Lake, CA	0.000	0.000		0.000		4.437	Nov 2022	-		4.437	Continuing	Continuing	Continuing
		Subtotal	0.000	0.000		0.000		7.739		-		7.739	Continuing	Continuing	N/A

Remarks

Test and Evaluation costs consist of support from Government offices associated with establishing test and evaluation requirements for OASuW Increment 2, and implementing infrastructure upgrades. Efforts include standup of modeling and simulation and planning for aircraft integration risk reduction testing.

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Support	WR	NAWCAD : Patuxent River, MD	0.000	0.000		0.000		1.909	Nov 2022	-		1.909	Continuing	Continuing	Continuing
Government Support	WR	NAWCWD : China Lake, CA	0.000	0.000		0.000		1.238	Nov 2022	-		1.238	Continuing	Continuing	Continuing
Travel	Various	NAWCAD : Patuxent River, MD	0.000	0.000		0.000		0.155	Nov 2022	-		0.155	Continuing	Continuing	Continuing
		Subtotal	0.000	0.000		0.000		3.302		-		3.302	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 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	0.000		0.000		92.471		-		92.471	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Navy		Date: April 2022
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*

OASuW Inc 2 PB23 Schedule

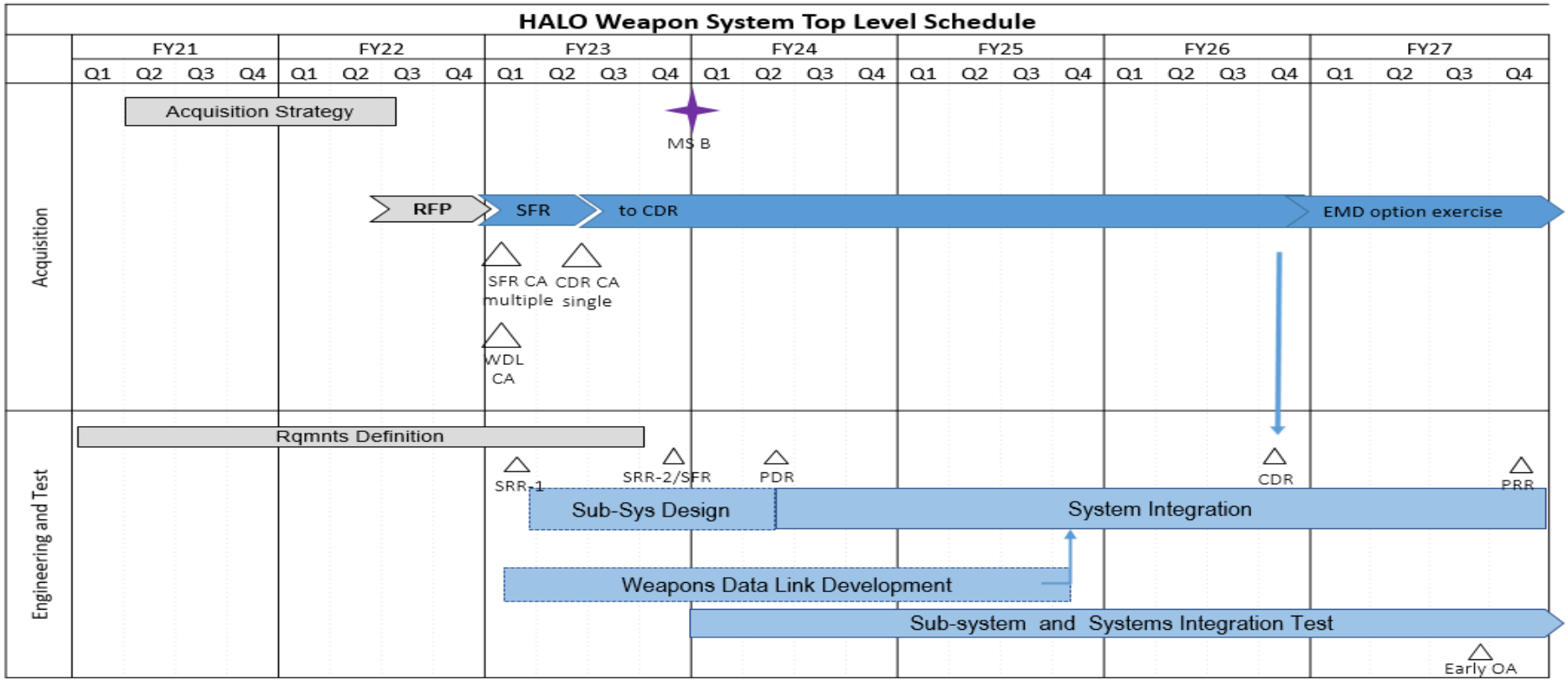

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Navy		Date: April 2022
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604786N / *Offensive Anti-Surface Warfare Weapon Dev*	**Project (Number/Name)** 3343 / *Offensive Anti-Surface Warfare (OASuW) Weapon Increment II*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 3343				
Acquisitions Milestones: System Requirements Review 1	1	2023	1	2023
Acquisitions Milestones: System Requirements Review 2 / System Functional Review	4	2023	4	2023
Acquisitions Milestones: Preliminary Design Review	2	2024	2	2024
Acquisitions Milestones: Critical Design Review	4	2026	4	2026
Acquisitions Milestones: Production Readiness Review 1	4	2027	4	2027
Acquisitions Milestones: Early Operational Assessment	3	2027	3	2027

Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy			Date: April 2022
Appropriation/Budget Activity 1319 / 4	R-1 Program Element (Number/Name) PE 0604786N / *Offensive Anti-Surface Warfare Weapon Dev*	Project (Number/Name) 3466 / *JASSM*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
3466: *JASSM*	0.000	0.000	34.862	18.894	-	18.894	13.144	3.476	3.464	3.500	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The AGM-158C-3 (PU 3466), also called JASSM is established to 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. This strike capability will also enhance the OASuW mission. The Navy will integrate an AGM-158 derived weapon 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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Title: AGM-158 C-3 JASSM Development Program	0.000	34.862	18.894	0.000	18.894
Articles:	-	-	-	-	-
FY 2022 Plans: Begin development of JASSM-ER derived capability and radio integration on F/A-18. Develop software for strike mission planning, Universal Armament Interface (UAI) and missile Operational Flight Plan (OFP). Begin integration, ground and flight testing for shipboard storage and operations.					
FY 2023 Base Plans: Continue development of AGM-158C-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 2023 OCO Plans: N/A					
FY 2022 to FY 2023 Increase/Decrease Statement: Decrease from FY 2022 to FY 2023 due to progress of Navy AGM-158 integration efforts.					
Accomplishments/Planned Programs Subtotals	0.000	34.862	18.894	0.000	18.894

Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy		Date: April 2022
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604786N / *Offensive Anti-Surface War fare Weapon Dev*	**Project (Number/Name)** 3466 / *JASSM*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• WPN/2236: *JASSM*	0.000	0.000	58.481	-	58.481	109.149	97.071	97.351	98.449	0.000	460.501

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 JASSM 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.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy		Date: April 2022
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604786N / *Offensive Anti-Surface War fare Weapon Dev*	**Project (Number/Name)** 3466 / *JASSM*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Product Development	C/CPFF	Lockheed Martin Missile and Fire Control : Orlando, FL	0.000	0.000		17.800	May 2022	6.667	Jan 2023	-		6.667	Continuing	Continuing	Continuing
		Subtotal	0.000	0.000		17.800		6.667		-		6.667	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. FY22 contract award has been delayed since the previous President's budget submission due to the project being a New Start that cannot commence until approval of the FY22 Appropriations bill.

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Support	WR	NAWC AD : Patuxent River, MD	0.000	0.000		2.500	Apr 2022	1.891	Nov 2022	-		1.891	Continuing	Continuing	Continuing
Government Support	WR	NAWC WD : China Lake, CA	0.000	0.000		5.000	Apr 2022	2.269	Nov 2022	-		2.269	Continuing	Continuing	Continuing
Contractor Support	C/CPFF	NAWC AD : Patuxent River, MD	0.000	0.000		1.000	Apr 2022	0.378	Mar 2023	-		0.378	Continuing	Continuing	Continuing
Contractor Support	C/CPFF	NSMA : Washington, DC	0.000	0.000		1.000	Apr 2022	0.630	Mar 2023	-		0.630	Continuing	Continuing	Continuing
		Subtotal	0.000	0.000		9.500		5.168		-		5.168	Continuing	Continuing	N/A

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.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Navy		Date: April 2022
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604786N / *Offensive Anti-Surface Warfare Weapon Dev*	**Project (Number/Name)** 3466 / *JASSM*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Support	WR	NAWC AD : Patuxent River, MD	0.000	0.000		1.500	Apr 2022	1.513	Nov 2022	-		1.513	Continuing	Continuing	Continuing
Government Support	WR	NAWC WD : China Lake, CA	0.000	0.000		4.862	Apr 2022	4.412	Nov 2022	-		4.412	Continuing	Continuing	Continuing
		Subtotal	0.000	0.000		6.362		5.925		-		5.925	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.

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2021 Cost	FY 2021 Award Date	FY 2022 Cost	FY 2022 Award Date	FY 2023 Base Cost	FY 2023 Base Award Date	FY 2023 OCO Cost	FY 2023 OCO Award Date	FY 2023 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Support	WR	NAWC AD : Patuxent River, MD	0.000	0.000		0.700	Apr 2022	0.630	Nov 2022	-		0.630	Continuing	Continuing	Continuing
Government Support	WR	NAWC WD : China Lake, CA	0.000	0.000		0.500	Apr 2022	0.504	Nov 2022	-		0.504	Continuing	Continuing	Continuing
		Subtotal	0.000	0.000		1.200		1.134		-		1.134	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.

	Prior Years	FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	0.000		34.862		18.894		-		18.894	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Navy		Date: April 2022
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604786N / *Offensive Anti-Surface Warfare Weapon Dev*	**Project (Number/Name)** 3466 / *JASSM*

OASuW / JASSM (AGM-158C-3) PB23 Program Schedule

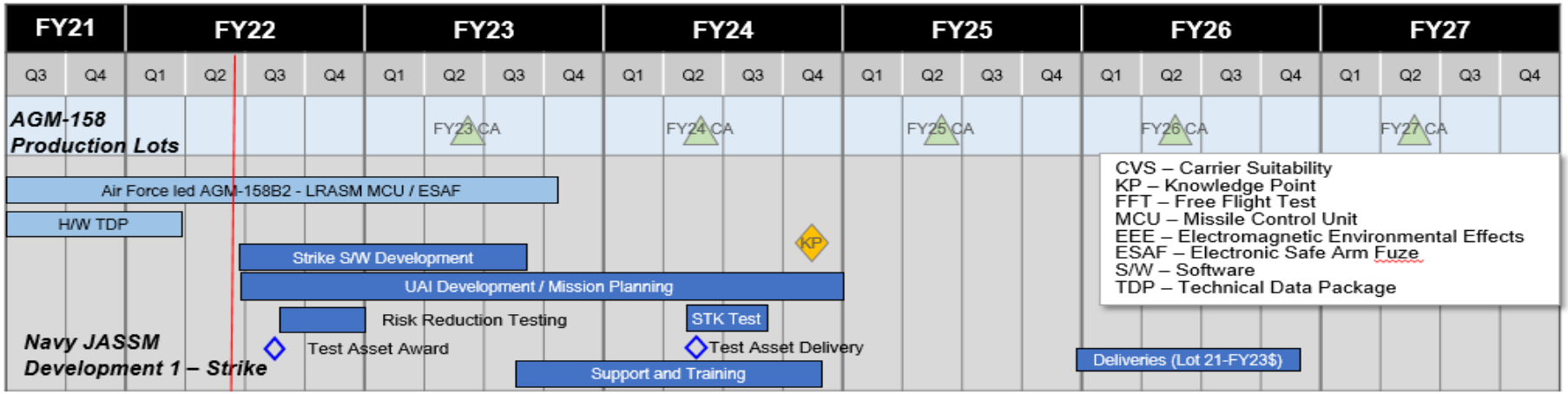

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Navy		Date: April 2022
Appropriation/Budget Activity 1319 / 4	**R-1 Program Element (Number/Name)** PE 0604786N / *Offensive Anti-Surface War fare Weapon Dev*	**Project (Number/Name)** 3466 / *JASSM*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 3466				
Navy AGM-158C-3 Development 1 - Strike: Strike S/W Development	2	2022	3	2023
Navy AGM-158C-3 Development 1 - Strike: Universal Armament Interface (UAI) Development / Mission Planning	2	2022	4	2024
Navy AGM-158C-3 Development 1 - Strike: Navy AGM-158C-3 Risk Reduction Testing	3	2022	4	2022
Navy AGM-158C-3 Development 1 - Strike: AGM-158C-3 Test Asset	3	2022	3	2022
Navy AGM-158C-3 Development 1 - Strike: Support and Training	3	2023	4	2024
Navy AGM-158C-3 Development 1 - Strike: STK Test	2	2024	3	2024
Navy AGM-158C-3 Development 1 - Strike: Navy AGM-158C-3 Knowledge Point	4	2024	4	2024
Production: FY2023 Contract Award	2	2023	2	2023
Production: FY2024 Contract Award	2	2024	2	2024
Production: FY2025 Contract Award	2	2025	2	2025
Production: FY2026 Contract Award	2	2026	2	2026
Production: FY2027 Contract Award	2	2027	2	2027
Production: FY2023 Deliveries	4	2025	4	2026
Production: FY2024 Deliveries	4	2026	4	2027