Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy	Date: March 2024
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604261N *I Acoustic Search Sensors*

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	727.746	47.706	51.531	53.591	-	53.591	54.138	53.583	53.484	54.590	Continuing	Continuing
0480: *ASW Sensors & Proc*	591.410	43.621	43.874	42.685	-	42.685	43.054	45.109	45.924	46.874	Continuing	Continuing
3224: *High Altitude ASW*	136.336	4.085	7.657	10.906	-	10.906	11.084	8.474	7.560	7.716	Continuing	Continuing

A. Mission Description and Budget Item Justification

U.S. Navy Air Anti-Submarine Warfare (ASW) mission is critical to achieve maritime supremacy against peer threats. RDT&E funds for engineering development and operational test and evaluation of acoustic search sensors/systems and complementary equipment for ASW aircraft.

JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under SYSTEM DEVELOPMENT AND DEMONSTRATION because it includes those projects that have passed Milestone B approval and are conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production decision.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	50.231	51.531	55.262	-	55.262
Current President's Budget	47.706	51.531	53.591	-	53.591
Total Adjustments	-2.525	0.000	-1.671	-	-1.671
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.979	0.000			
• SBIR/STTR Transfer	-1.546	0.000			
• Program Adjustments	0.000	0.000	-1.260	-	-1.260
• Rate/Misc Adjustments	0.000	0.000	-0.411	-	-0.411

Change Summary Explanation

FY 2025 adjusted by -$1.260M to align funds for the Next-Generation Multi-static Active Coherent sonobuoy effort to current schedule and -$0.411M for Rate/ Misc Adjustments.

Technical: N/A

Schedule:

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy	Date: March 2024
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 5: *System Development & Demonstration (SDD)*	**R-1 Program Element (Number/Name)** PE 0604261N *I Acoustic Search Sensors*

H0480 (MAC): N/A
H0480 (APB): N/A

H3224: Updated title to Digitization and Encryption Prototyping & Analysis.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604261N / *Acoustic Search Sensors*	Project (Number/Name) 0480 / *ASW Sensors & Proc*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
0480: *ASW Sensors & Proc*	591.410	43.621	43.874	42.685	-	42.685	43.054	45.109	45.924	46.874	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Anti-Submarine Warfare (ASW) Sensors and Processing project provides tools and methods necessary to maintain maritime superiority by preventing near-peer threat submarines from completing their hostile missions or disrupting the U.S. Navy's ability to control sea lanes of communication. Project 0480 provides funding for Engineering & Manufacturing Development and follow-on Production and Deployment of new and/or improved passive and active air ASW family of systems that enable cuing, search, detection, localization, track, and attack of subsurface targets. Smaller and quieter threat submarines drive requirements for continued advancement in ASW sensor capabilities for both open-ocean and littoral environments in order to overcome challenges associated with reduced target acoustic signatures and increased background clutter caused by the water depth, high volume of shipping, and commercial radio frequency interference.

MAC-E: PE 0604261N funds the incorporation of the capability into the P-8A Acoustic Operating Flight Program (AOFP), integration of the AOFP into the P-8A Mission suite and associated training system and Post Flight Analysis (PFA) tool updates. The remainder of the integration into the P-8A platform is accomplished via PE 0605504N.

UnderSea Advantage (USA): USA is the next generation of multistatics. USA incorporates an incremental improvement upon the existing system and will be accomplished via three blocks. The first block will be funded in the following manner: Early development and technology maturation efforts are funded under PE 0603254N, and PE 0604261N funds the incorporation of the capability into the P-8A AOFP and integration of the AOFP into the P-8A Mission suite. 0604261N also funds the associated training system and Post Flight Analysis (PFA) tool updates. The remainder of the integration into the P-8A platform is accomplished via PE 0605504N.

Project 0480 also provides funding for the Advanced Product Build (APB) program which integrates Office of Naval Research (ONR) Future Naval Capabilities (FNCs), Small Business Innovation Research (SBIR), and University Affiliated Research Center (UARC) products and mature technologies into the processing baseline. Efforts incorporate clutter reduction techniques, automation, improved displays and controls, and improved communication links to enable reduced operator workload, increased target detection opportunities, and improved classification techniques. Sonobuoy test articles in FY23-FY29 support software and hardware integration flights tests, data collection, and analysis for the MAC program in order to develop updated fleet release software. APB also includes an Air ASW Engineering Measurement Program (AAEMP) that collects ASW operational performance data to identify areas where improvements can be incorporated across Air ASW platforms. Finally, project funding provides initial and interim training of new capabilities to test and fleet aircrew.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Multistatic Active Coherent (MAC)	37.229	37.496	36.671	0.000	36.671
Articles:	130	130	130	-	130

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604261N / *Acoustic Search Sensors*	**Project (Number/Name)** 0480 / *ASW Sensors & Proc*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
FY 2024 Plans: Conduct data gathering events, data collection, and analysis for MAC-E and USA. Start software engineering and development for USA System-of-Systems capabilities. Execute MAC-E Development Testing and begin testing concurrent with P-8A DT/OT. Complete correction of deficiencies (COD) in MAC-E System-of-Systems and AOFP Software discovered during integration and testing for P-8A AOFP software for initial fleet release. Fund software improvements for incorporation into the P-8A Training systems associated with MAC-E capabilities in the Weapons Tactics Trainer (WTT) and Mission Systems Desktop Trainer (MSDT). ***FY 2025 Base Plans:*** Conduct data gathering events, data collection, and analysis for MAC-E and USA. Continue software engineering and development for USA System-of-Systems capabilities. Continue executing MAC-E Development Testing and testing concurrent with P-8A DT/OT. Complete correction of deficiencies (COD) in MAC-E System-of-Systems and AOFP Software discovered during integration and testing for P-8A AOFP software for initial fleet release. Continue software improvements for incorporation into the P-8A Training systems associated with MAC-E capabilities in the Weapons Tactics Trainer (WTT), Combat System Part-task Trainer (CS-PTT), and Mission Systems Desktop Trainer (MSDT). ***FY 2025 OCO Plans:*** N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 decrease due to natural reduction in test funding/training requirements as MAC-E transitions to Operational Test and alignment of expected level of effort required for Next Gen MAC development.					
Title: APB System Qualification Test/Fleet Release. Rapid Capability Insertion (RCI)/Fleet Release for P-8A ***Articles:*** ***FY 2024 Plans:*** System development and AAEMP for P-8A. Complete MAC refresher trainer to operational squadrons and continue MAC-E CONOPS, tactics, techniques, and procedure training for P-8A test. ***FY 2025 Base Plans:*** System development and AAEMP for P-8A. Continue MACE CONOPS, tactics, techniques, and procedure training for P-8A test and initiate MACE fleet introductory training (FIT). ***FY 2025 OCO Plans:***	6.392 -	6.378 -	6.014 -	0.000 -	6.014 -

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604261N / *Acoustic Search Sensors*	**Project (Number/Name)** 0480 / *ASW Sensors & Proc*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
N/A ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2024 to FY 2025 decrease due to rate adjustments.					
Accomplishments/Planned Programs Subtotals	43.621	43.874	42.685	0.000	42.685

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• OPN/4048: *Sonobuoys - AN/SSQ-125 (Multistatic Coherent Source)*	19.141	88.997	103.519	-	103.519	92.741	66.973	67.467	67.497	Continuing	Continuing

Remarks

D. Acquisition Strategy

The Multistatic Active Coherent (MAC) ASW system and associated sonobuoys are fully integrated on the P-8A ASW platform. MAC Enhancements (MAC-E) is a development program associated with P-8A Increment 3 that will significantly increase the wide area search capability through Engineering Change Proposals (ECPs) to the sonobuoys, aircraft software modifications to reduce clutter and improve processing, and Operator Machine Interface (OMI) improvements to reduce operator workload. UnderSea Advantage begins to address threat submarine advancements through the introduction of a series of sensor system capability enhancements. S&T and early R&D ASW improvement programs are monitored through the APB process for maturity and then integrated into the AOFP for periodic Fleet software releases.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604261N / *Acoustic Search Sensors*	Project (Number/Name) 0480 / *ASW Sensors & Proc*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hdw Development	SS/CPIF	ERAPSCO : FT. WAYNE IN	26.847	0.000		0.000		0.000		-		0.000	17.500	44.347	44.347
Prior year Prod Dev no longer funded in the FYDP	Various	VARIOUS : VARIOUS	19.905	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Software Development	C/CPIF	Boeing : Huntington Beach, CA	48.317	11.757	Dec 2022	12.450	Dec 2023	12.550	Dec 2024	-		12.550	0.000	85.074	73.925
Software Development	WR	NAWCAD : PATUXENT RIVER, MD	59.002	6.399	Dec 2022	5.821	Dec 2023	5.850	Dec 2024	-		5.850	Continuing	Continuing	Continuing
Software Development	SS/CPIF	LOCKHEED MARTIN : MANASSAS VA	23.510	2.536	Dec 2022	0.000		0.000		-		0.000	0.000	26.046	27.025
Software Development	Various	VARIOUS : VARIOUS	60.730	9.449	Dec 2022	12.857	Dec 2023	11.952	Dec 2024	-		11.952	Continuing	Continuing	Continuing
		Subtotal	238.311	30.141		31.128		30.352		-		30.352	Continuing	Continuing	N/A

Remarks

Lockheed Martin software development efforts are complete and we are migrating efforts into the various software development line.

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Studies & Analysis	Various	VARIOUS : VARIOUS	28.610	2.762	Dec 2022	2.524	Dec 2023	2.654	Dec 2024	-		2.654	Continuing	Continuing	Continuing
Technical Data	WR	NAWCAD : PATUXENT RIVER, MD	18.195	0.446	Dec 2022	0.378	Dec 2023	0.290	Dec 2024	-		0.290	Continuing	Continuing	Continuing
Training	WR	NAWCAD : PATUXENT RIVER, MD	16.662	3.071	Dec 2022	2.970	Dec 2023	2.772	Dec 2024	-		2.772	Continuing	Continuing	Continuing
		Subtotal	63.467	6.279		5.872		5.716		-		5.716	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604261N / *Acoustic Search Sensors*	Project (Number/Name) 0480 / *ASW Sensors & Proc*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (DT&E)	Various	VARIOUS : VARIOUS	49.641	3.568	Dec 2022	3.520	Dec 2023	3.030	Dec 2024	-		3.030	Continuing	Continuing	Continuing
		Subtotal	49.641	3.568		3.520		3.030		-		3.030	Continuing	Continuing	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Eng Spt	Various	VARIOUS : VARIOUS	51.113	0.992	Dec 2022	0.982	Dec 2023	0.950	Dec 2024	-		0.950	Continuing	Continuing	Continuing
Contractor Eng Spt	C/CPFF	NAVMAR APPLIED SCIENCES CORP : WARMINSTER, PA	12.998	0.950	Dec 2022	0.952	Dec 2023	1.112	Dec 2024	-		1.112	2.810	18.822	17.710
Government Eng Spt	WR	NAWCAD : PATUXENT RIVER, MD	100.195	0.353	Dec 2022	0.310	Dec 2023	0.315	Dec 2024	-		0.315	Continuing	Continuing	Continuing
Eng & Tech Spt Srvc (NON-FFRDC)	Various	VARIOUS : VARIOUS	64.799	1.338	Dec 2022	1.110	Dec 2023	1.210	Dec 2024	-		1.210	Continuing	Continuing	Continuing
Mgt & Prof SptT Srvc (FFRDC)	Various	VARIOUS : VARIOUS	10.018	0.000		0.000		0.000		-		0.000	0.000	10.018	10.018
Prior Years Mgmt Svcs no longer funded in the FYDP	Various	VARIOUS : VARIOUS	0.868	0.000		0.000		0.000		-		0.000	0.000	0.868	0.868
		Subtotal	239.991	3.633		3.354		3.587		-		3.587	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	591.410	43.621		43.874		42.685		-		42.685	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604261N / *Acoustic Search Sensors*	**Project (Number/Name)** 0480 / *ASW Sensors & Proc*

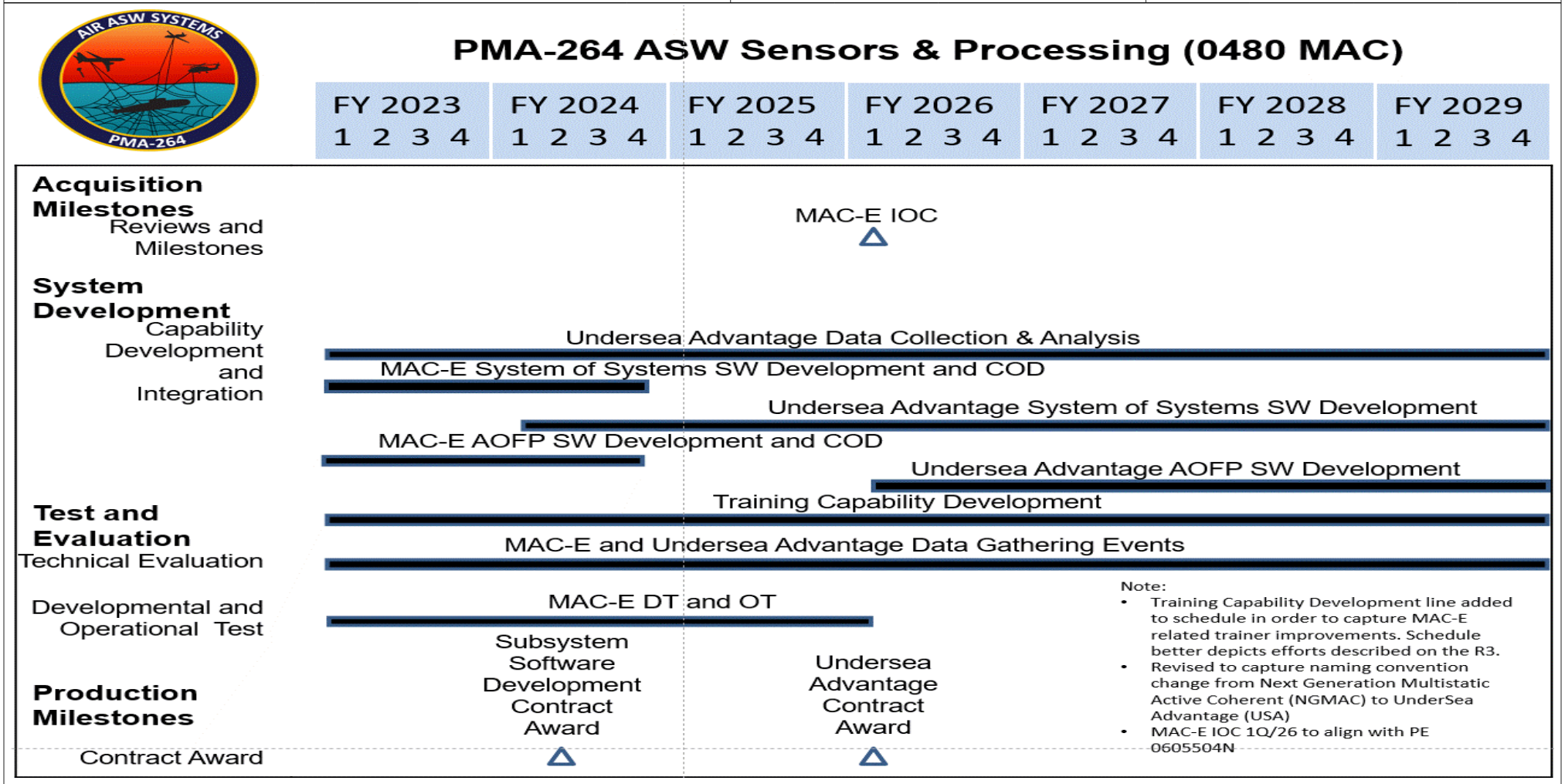

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604261N / *Acoustic Search Sensors*	**Project (Number/Name)** 0480 / *ASW Sensors & Proc*

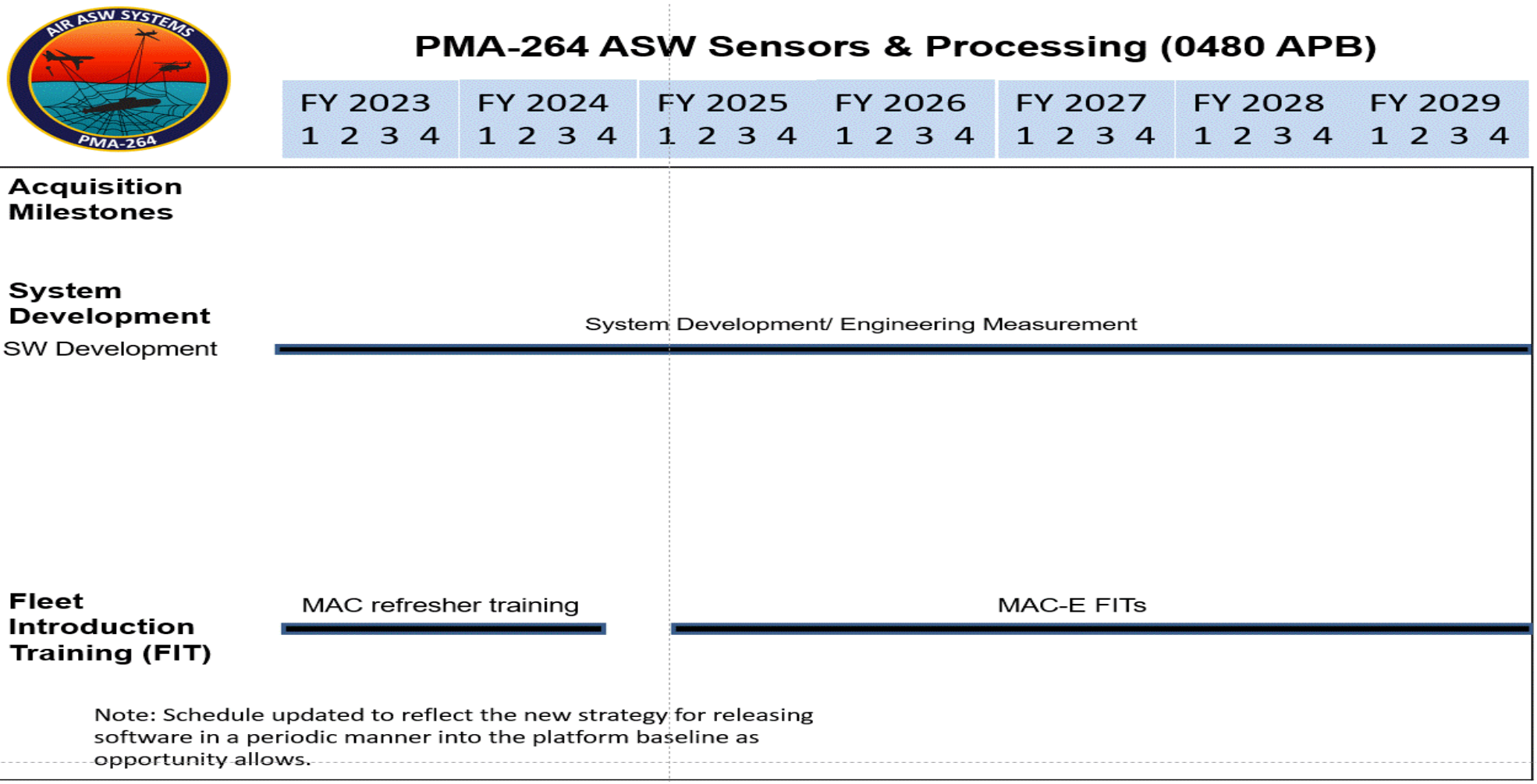

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604261N / *Acoustic Search Sensors*	**Project (Number/Name)** 0480 / *ASW Sensors & Proc*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj: 0480 ASW Sensors & Processors - Multistatic Active Coherent				
Acquistion Milestones: Reviews and Milestones: Initial Operational Capability	1	2026	1	2026
System Development: UnderSea Advantage Data Collection & Analysis	1	2023	4	2029
System Development: MAC-E System of Systems Software Development and COD	1	2023	4	2024
System Development: UnderSea Advantage System of Systems Software Development	1	2024	4	2029
System Development: MAC-E AOFP S/W Development and COD	1	2023	4	2024
System Development: UnderSea Advantage AOFP S/W Development	1	2026	4	2029
Test & Evaluation: Technical Evaluation: Training Capability Development	1	2023	4	2029
Test & Evaluation: Technical Evaluation: MAC-E & UnderSea Advantage Data Gathering Events	1	2023	4	2029
Test & Evaluation: Developmental and Operational Test: MAC-E Operational Test	1	2023	1	2026
Production Milestones: Contract Awards: Subsystem Software Development Award	2	2024	2	2024
Production Milestones: Contract Awards: AOFP Contract Award	1	2026	1	2026
Proj: 0480 ASW Sensors & Processors - Advanced Product Builds (APB)				
System Development: Software Development: System Development/Engineering Measurement	1	2023	4	2029
Fleet Introduction Training: MAC refresher training	1	2023	4	2024
Fleet Introduction Training: MAC-E FITs	1	2025	4	2029

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604261N / *Acoustic Search Sensors*	Project (Number/Name) 3224 / *High Altitude ASW*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
3224: *High Altitude ASW*	136.336	4.085	7.657	10.906	-	10.906	11.084	8.474	7.560	7.716	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

High Altitude ASW project provides Key Enablers/Sonobuoy Enhancements (KESE) that increase P-8A operational flexibility and effectiveness throughout the kill chain. Funding addresses key enablers such as, uplink/downlink sonobuoy communications assurance, AELS/over-the-horizon (OTH) communications, acoustic communications (ACOMMS) and sonobuoy enhancements that include: digitization, cyber protection and the integration into the AOFP software.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: Key Enablers and Sonobuoy Enhancements	4.085	7.657	10.906	0.000	10.906
Articles:	-	-	-	-	-
FY 2024 Plans: Continue to advance sonobuoy communications improvements including NATO digital telemetry across the sonobuoy portfolio and the sonobuoy encryption proof of concept. Demonstrate sonobuoy OTH communications. Begin the development of the P-8A ACOMMS capability.					
FY 2025 Base Plans: Investigate path to link availability and assurance across the sonobuoy portfolio. Develop the next generation of OTH passive capability. Continue to mature software development and initiate the integration and testing of ACOMMS P-8A software capabilities.					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: FY 2024 to FY 2025 increase is due to the development of the P-8A ACOMMS capability.					
Accomplishments/Planned Programs Subtotals	4.085	7.657	10.906	0.000	10.906

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• OPN/4048: *Sonobuoys - All Types*	303.520	311.177	323.441	-	323.441	331.843	316.507	334.003	340.486	Continuing	Continuing

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604261N / *Acoustic Search Sensors*	**Project (Number/Name)** 3224 / *High Altitude ASW*

D. Acquisition Strategy

The acquisition approach is to rapidly prototype Key Enablers and Sonobuoy Enhancements that improve maritime supremacy and integrate into multiple ASW platforms. A 15 March 12 Acquisition Decision Memorandum (ADM) from PEO(A) (Milestone Decision Authority) approved the transition from a planned Acquisition Category (ACAT) Program to a series of Engineering Change Proposal (ECP) modifications to the AN/SSQ-36, AN/SSQ-53, AN/SSQ-62, AN/SSQ-101 and SSQ-125 sonobuoys. Acoustic Communications (ACOMMS): Rapid integration of Government developed source code and waveforms into the Acoustic Operational Flight Program (AOFP), Tactical Open Missions Software (TOMS), and SSQ-125A (XN-X) Production Representative Model (PRM) via Engineering Change Proposals to P-8A Mission Software.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604261N / *Acoustic Search Sensors*	Project (Number/Name) 3224 / *High Altitude ASW*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hdw Development	C/CPFF	VARIOUS : VARIOUS	7.659	1.451	Nov 2022	0.450	Nov 2023	0.842	Nov 2024	-		0.842	2.600	13.002	14.662
Prior year Prod Dev no longer funded in the FYDP	Various	VARIOUS : VARIOUS	44.280	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Primary Hdw Development	C/CPFF	FLIGHTLINE : VICTOR NY	2.127	1.122	Nov 2022	0.750	Nov 2023	0.000		-		0.000	0.000	3.999	-
INC 3 A/C Software Integration	C/CPFF	BOEING : SEATTLE WA	4.983	0.000		0.250	Nov 2023	0.250	Nov 2024	-		0.250	0.000	5.483	4.983
P-8A ACOMMS Software Development	C/CPFF	VARIOUS : VARIOUS	0.000	0.899	Nov 2022	3.947	Nov 2023	6.800	Nov 2024	-		6.800	0.000	11.646	-
		Subtotal	59.049	3.472		5.397		7.892		-		7.892	Continuing	Continuing	N/A

Remarks

FY 2024-FY 2029 funding increase established for P-8A to Subsurface Submarine Acoustic Communications (ACOMMS) Development Project to improve ASW coordination between air and subsurface platforms.
Various vendors based on competitive nature of contracts.
The two-way ranging study effort that Flightline was supporting, concludes in FY24, therefore, the link assurance effort is now being captured under Studies and Analysis, Various in FY25.

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior year Support cost no longer funded in the FYDP	Various	VARIOUS : VARIOUS	35.380	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
ACOMMS support	C/CPFF	VARIOUS : VARIOUS	0.000	0.000		1.408	Nov 2023	1.344	Nov 2024	-		1.344	0.000	2.752	-
Studies and Analysis	Various	VARIOUS : VARIOUS	0.000	0.000		0.000		0.750	Nov 2024	-		0.750	0.000	0.750	-
		Subtotal	35.380	0.000		1.408		2.094		-		2.094	Continuing	Continuing	N/A

Remarks

The two-way ranging study effort that Flightline was supporting, concludes in FY 2024, therefore, the link assurance effort is now being captured under Studies and Analysis, Various.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy			Date: March 2024
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604261N / *Acoustic Search Sensors*	Project (Number/Name) 3224 / *High Altitude ASW*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (DT&E)	Various	VARIOUS : VARIOUS	8.200	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
		Subtotal	8.200	0.000		0.000		0.000		-		0.000	Continuing	Continuing	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Eng Spt	Various	VARIOUS : VARIOUS	4.166	0.163	Nov 2022	0.300	Nov 2023	0.320	Nov 2024	-		0.320	Continuing	Continuing	Continuing
Government Eng Spt	WR	NAWCAD : PATUXENT RIVER, MD	25.952	0.450	Nov 2022	0.552	Nov 2023	0.600	Nov 2024	-		0.600	Continuing	Continuing	Continuing
Prior Year Mngmt Svcs no longer funded in the FYDP	Various	VARIOUS : VARIOUS	3.589	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
		Subtotal	33.707	0.613		0.852		0.920		-		0.920	Continuing	Continuing	N/A

Remarks

Funding increase as of FY 2024 for Sonobuoy Acoustic Communications Development Project to improve ASW coordination between air and subsurface platforms throughout the FYDP.

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	136.336	4.085		7.657		10.906		-		10.906	Continuing	Continuing	N/A

Remarks

Funding increase as of F 20Y24 for Sonobuoy Acoustic Communications Development Project to improve ASW coordination between air and subsurface platforms.

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604261N / *Acoustic Search Sensors*	**Project (Number/Name)** 3224 / *High Altitude ASW*

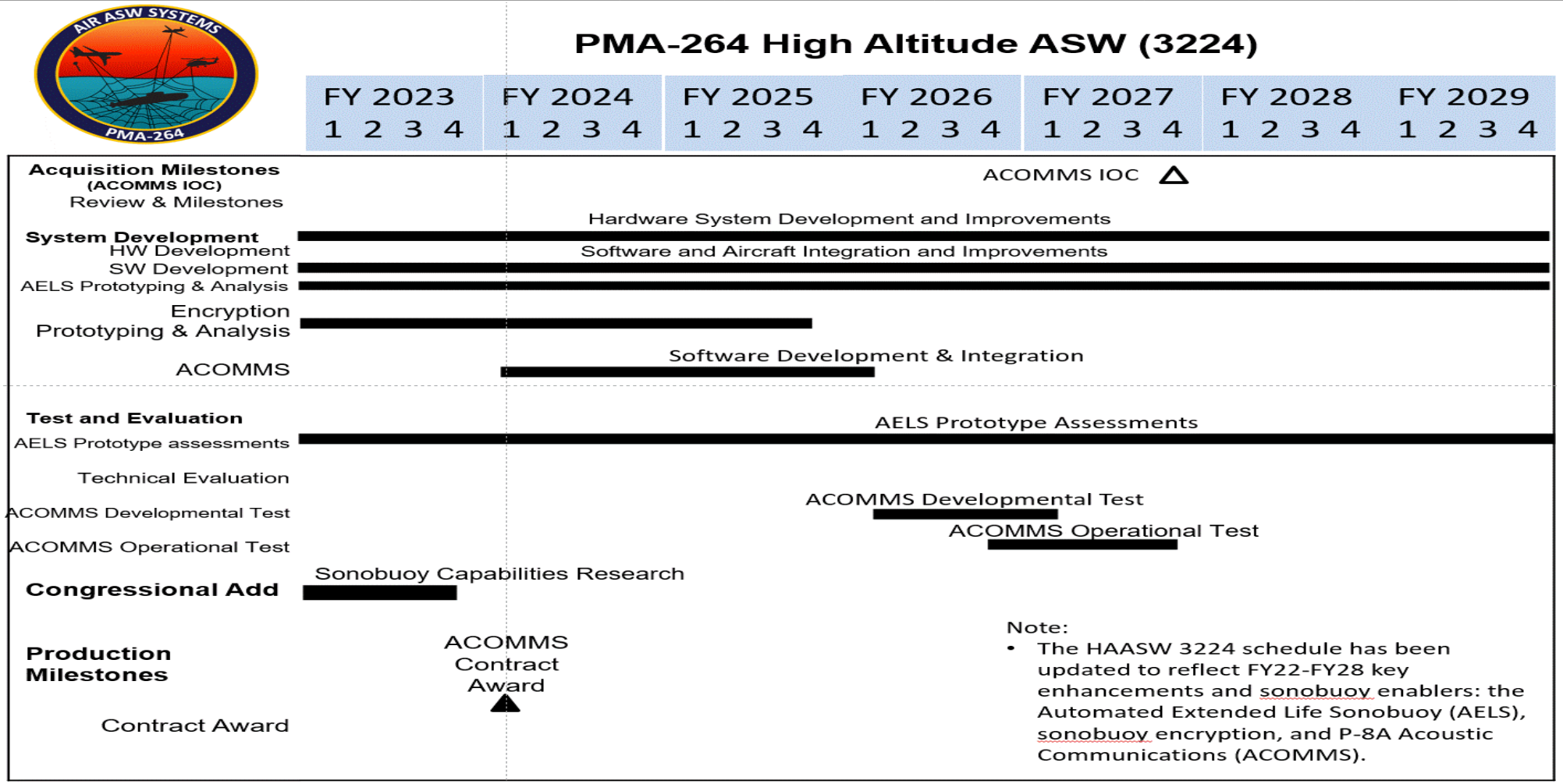

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 5	**R-1 Program Element (Number/Name)** PE 0604261N / *Acoustic Search Sensors*	**Project (Number/Name)** 3224 / *High Altitude ASW*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj: 3224 High Altitude ASW				
Acquisition Milestones (ACOMMS IOC): Review & Milestones	4	2027	4	2027
System Development: Hardware Development: Hardware System Development	1	2023	4	2029
System Development: Software Development: Software System Development	1	2023	4	2029
System Development: AELS Prototyping & Analysis: AELS Prototyping & Analysis	1	2023	4	2029
System Development: Encryption Prototyping & Analysis: Encryption Prototyping & Analysis	1	2023	4	2025
System Development: Acoustic Comms: ACOMMS	1	2024	1	2026
Test & Evaluation: AELS Prototype evaluations: AELS Prototype assessments	1	2023	4	2029
Test & Evaluation: ACOMMS Developmental test: ACOMMS Developmental test	1	2026	1	2027
Test & Evaluation: ACOMMS Operational test: ACOMMS Operational test	4	2026	4	2027
Congressional Add: Sonobuoy Capabilities Research	1	2023	4	2023
Production Milestones: Contract Award: ACOMMS Contract Award	1	2024	1	2024