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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity	R-1 Program Element (Number/Name)											
1319: <i>Research, Development, Test & Evaluation, Navy / BA 7: Operational Systems Development</i>	PE 0204313N / <i>Ship-Towed Array Surveillance Systems</i>											
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	53.654	1.188	1.103	1.428	-	1.428	1.708	1.967	4.894	0.000	0.000	65.942
3261: <i>TAGOS Design & Total Ship Integration</i>	53.654	1.188	1.103	1.428	-	1.428	1.708	1.967	4.894	0.000	0.000	65.942

A. Mission Description and Budget Item Justification

T-AGOS are Ocean surveillance ships that gather underwater acoustical data to support the Integrated Undersea Surveillance System (IUSS) mission by providing a ship platform capable of theater anti-submarine passive and active acoustic surveillance. T-AGOS ships are operated by Military Sealift Command (MSC) to support the anti-submarine warfare (ASW) mission of Atlantic and Pacific Fleet Commanders. Both classes of T-AGOS ships use the Surveillance Towed-Array Sensor System (SURTASS) to gather undersea acoustic data. They also carry electronic equipment to process and transmit that data via satellite to shore stations for evaluation. Funding in this budget will recapitalize Navy's Auxiliary General Ocean Surveillance (T-AGOS) ships (four T-AGOS 19 Class vessels & one T-AGOS 23 Class vessel) with a total of seven (7) T-AGOS 25 Class ships based on the 2016 N81 Force Structure Assessment (FSA).

B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	1.188	1.103	1.462	-	1.462
Current President's Budget	1.188	1.103	1.428	-	1.428
Total Adjustments	0.000	0.000	-0.034	-	-0.034
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	0.000	0.000	-0.020	-	-0.020
• Rate/Misc Adjustments	0.000	0.000	-0.014	-	-0.014

Change Summary Explanation

Increase of funding from FY2024 to FY2025 was required as the program conducts Developmental Testing Phase B. FY 2025 decrease of \$0.034M reflects the Rate/Misc Adjustment.

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy										Date: March 2024		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0204313N / <i>Ship-Towed Array Surveillance Systems</i>				Project (Number/Name) 3261 / <i>TAGOS Design & Total Ship Integration</i>			
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
3261: <i>TAGOS Design & Total Ship Integration</i>	53.654	1.188	1.103	1.428	-	1.428	1.708	1.967	4.894	0.000	0.000	65.942
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

T-AGOS are ocean surveillance ships that gather underwater acoustical data to support the mission of the Integrated Undersea Surveillance System (IUSS) by providing a ship platform capable of theater anti-submarine acoustic passive and active surveillance. Auxiliary General Ocean Surveillance Ships (T-AGOS) are operated by Military Sealift Command to support the anti-submarine warfare mission of the commanders of the Atlantic and Pacific Fleets. The two current classes of surveillance ships use Surveillance Towed-Array Sensor System (SURTASS) equipment to gather undersea acoustic data. The ships also carry electronic equipment to process and transmit that data via satellite to shore stations for evaluation. Funding will support recapitalization of the four Small Waterplane Area Twin Hull (SWATH) T-19 Class and one SWATH T-23 Class.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: T-AGOS 25 Class Design & Total Ship Integration	1.188	1.103	1.428	0.000	1.428
Articles:	-	-	-	-	-
FY 2024 Plans: - Continue T&E events with OPTEVFOR, Maritime Surveillance Systems Program Office (PMS 485), Military Sealift Command (MSC), and OPNAV. - Finish Developmental Test Plan. - Continue Cybersecurity Testing.					
FY 2025 Base Plans: - Award Preliminary Design contracts to support development of Detail Design and Construction Contracts from Industry. - Evaluate industry designs for feasibility and affordability					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: Increase of \$0.325 million as the program conducts Developmental Testing Phase B.					
Accomplishments/Planned Programs Subtotals	1.188	1.103	1.428	0.000	1.428

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy		Date: March 2024
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0204313N / <i>Ship-Towed Array Surveillance Systems</i>	Project (Number/Name) 3261 / <i>TAGOS Design & Total Ship Integration</i>

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

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>			<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u>	
			<u>Base</u>	<u>OCO</u>	<u>Total</u>					<u>Complete</u>	<u>Total Cost</u>
• SCN/5030: <i>TAGOS Surtass Ships</i>	0.000	355.166	0.000	-	0.000	424.945	400.000	435.677	444.826	2,327.406	4,822.404

Remarks

D. Acquisition Strategy

Issued Request For Proposal (RFP) for industry studies and awarded in FY 2020. Issued RFP for Detail Design and Construction (DD&C) in FY 2022. Awarded Detail Design for the T-AGOS 25 Class in FY 2023 with an option for Construction of the lead ship and 6 follow ships.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy												Date: March 2024			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
1319 / 7				PE 0204313N / Ship-Towed Array Surveillance Systems				3261 / TAGOS Design & Total Ship Integration							
Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Integration/ Design	Various	Various : Various	19.764	0.800	Mar 2023	0.000		0.000		-		0.000	0.000	20.564	-
Industry Studies	C/FFP	Various : Various	6.275	0.000		0.000		0.000		-		0.000	0.000	6.275	-
Model Testing	WR	Carderock : Bethesda, MD	6.140	0.000		0.000		0.000		-		0.000	0.000	6.140	-
SURTASS Integration	Various	Various : Various	4.400	0.000		0.000		0.000		-		0.000	0.000	4.400	-
Subtotal			36.579	0.800		0.000		0.000		-		0.000	0.000	37.379	N/A
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Milestone Documentation/ RFP Development	Various	Various : Various	5.447	0.000		0.000		0.000		-		0.000	0.000	5.447	-
Specification & Technical Data Package Development	Various	Various : Various	6.055	0.000		0.000		0.000		-		0.000	0.000	6.055	-
Systems Integration (C4I/ Safety/Risk)	Various	Various : Various	3.767	0.200	Apr 2023	0.000		0.000		-		0.000	0.000	3.967	-
Source Selection Support	Various	Various : Various	0.100	0.000		0.000		0.000		-		0.000	0.000	0.100	-
Subtotal			15.369	0.200		0.000		0.000		-		0.000	0.000	15.569	N/A
Test and Evaluation (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation (DT&E)	Various	Various : Various	1.706	0.188	Feb 2023	1.103	Jan 2024	1.428	Jan 2025	-		1.428	10.757	15.182	-
Subtotal			1.706	0.188		1.103		1.428		-		1.428	10.757	15.182	N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Navy **Date:** March 2024

Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0204313N / Ship-Towed Array Surveillance Systems	Project (Number/Name) 3261 / TAGOS Design & Total Ship Integration
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Proj 3261	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
			MS B/C ▲																									
			DD&C ▲																									
Developmental Testing (DT)					DT-B												DT-C											
Operational Testing (OT)																	CWT											
																	MSIP											
																					RWT		IOT&E					

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Navy		Date: March 2024
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3261				
Milestone B/C	3	2023	3	2023
Lead Hull Detail Design & Construction Award	3	2023	3	2023
Developmental Testing (DT): DT Phase B - Production Acceptance Test & Evaluation (PAT&E)	1	2024	1	2028
Developmental Testing (DT): DT Phase C - Post Delivery Test and Trials (PDT&T)	2	2028	2	2028
Operational Testing (OT): Calm Water Trials	3	2027	3	2028
Operational Testing (OT): Misson System Installation Period	3	2027	3	2028
Operational Testing (OT): Rough Water Trials	2	2028	2	2028
Operational Testing (OT): Initial Operational Test and Evaluation	4	2028	4	2028