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

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0604221N / <i>P-3 Modernization Program</i>
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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	27.071	0.342	0.771	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	28.184
3016: <i>Fatigue Life Mgmt Program</i>	27.071	0.342	0.771	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	28.184

A. Mission Description and Budget Item Justification

Fatigue Life Management Program was required to manage P-3/EP-3 inventory fatigue life and included ongoing structural analysis, analyzing emergent structural issues, conducting engineering studies, assessing Fleet impact, and applying new technologies such as Non-Destructive Inspection techniques.

This program was funded under SYSTEM DEVELOPMENT AND DEMONSTRATION because it included those projects that have passed Milestone B approval and are conducting engineering and manufacturing development tasks aimed at meeting validated requirement prior to full-rate production decision.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025 Base</u>	<u>FY 2025 OCO</u>	<u>FY 2025 Total</u>
Previous President's Budget	0.343	0.771	0.000	-	0.000
Current President's Budget	0.342	0.771	0.000	-	0.000
Total Adjustments	-0.001	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.001	0.000			
• Rate/Misc Adjustments	0.000	0.000	0.000	-	0.000

Change Summary Explanation

Cost: Not applicable.

Technical: Not applicable.

Schedule: Not applicable.

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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 0604221N / P-3 Modernization Program	Project (Number/Name) 3016 / Fatigue Life Mgmt Program
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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
3016: <i>Fatigue Life Mgmt Program</i>	27.071	0.342	0.771	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	28.184
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Fatigue Life Management Program was required to manage P-3/EP-3 inventory fatigue life and included ongoing structural analysis, analyzing emergent structural issues, conducting engineering studies, assessing Fleet impact, and applying new technologies such as Non-Destructive Inspection techniques.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Title: P-3/EP-3 Fatigue Life Management	0.342	0.771	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2024 Plans: Fatigue Life Management Program: Completed managing P-3/EP-3 inventory fatigue life including conducting structural analysis, analyzing structural issues, conducting engineering studies, and assessing Fleet impact. Completed researching, testing and applying new Fatigue Inspection techniques to the P-3/EP-3 Fleet.					
FY 2025 Base Plans: N/A					
FY 2025 OCO Plans: N/A					
FY 2024 to FY 2025 Increase/Decrease Statement: Due to the retirement of P-3 aircraft inventory of the US Navy active duty fleet, related RDT&E funding is no longer required to manage P-3/EP-3 inventory fatigue life.					
Accomplishments/Planned Programs Subtotals	0.342	0.771	0.000	0.000	0.000

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

N/A

Remarks

D. Acquisition Strategy

The Fatigue Life Management Program leveraged off of prior work done under P-3 Service Life Extension Program (2451). The Anti-Surface Warfare Improvement Program Operational Requirements Documents 355-88-94 was approved 30 March 94. Work was performed by RBC, Inc and other industry participants along with the

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Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)
1319 / 5	PE 0604221N / <i>P-3 Modernization Program</i>	3016 / <i>Fatigue Life Mgmt Program</i>

Naval Air Systems Command Structural Engineering Dept, AIR-4.3. This program supported the 7 June 2003 CNO approved P-3/EP-3 Sustainment Bridge to Multi-Mission Maritime Aircraft.

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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 0604221N / P-3 Modernization Program	Project (Number/Name) 3016 / Fatigue Life Mgmt Program
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Fatigue Life Mgmt Program	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
Acquisition Milestones																												
Milestones																												
Systems Development																												
Hardware Development																												
Software Development																												
Reviews																												
Test & Evaluation																												
Technical Evaluation																												
Inventory Fatigue Life Management/Sustainment																												
Operational Evaluation																												
Production Milestones																												
Contract Awards																												
Deliveries																												

2025DON - 0604221N - 3016

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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 0604221N / <i>P-3 Modernization Program</i>	Project (Number/Name) 3016 / <i>Fatigue Life Mgmt Program</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Fatigue Life Mgmt Program</i>				
Test & Evaluation: Technical Evaluation: Inventory Fatigue Life Management/ Sustainment	1	2023	4	2024