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

<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 6: RDT&amp;E Management Support</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605898N / <i>Management HQ - R&amp;D</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	0.000	39.914	41.331	42.381	-	42.381	45.838	41.953	41.931	42.741	Continuing	Continuing
0223: <i>Sub Combat System Improvement (ADV)</i>	0.000	0.125	0.132	0.127	-	0.127	0.129	0.130	0.119	0.122	Continuing	Continuing
0824: <i>Science &amp; Technology Management</i>	0.000	22.617	22.079	22.248	-	22.248	27.506	23.437	23.035	23.518	Continuing	Continuing
1447: <i>Surf Combatant Combat System Imp</i>	0.000	0.202	0.096	0.229	-	0.229	0.215	0.181	0.185	0.189	Continuing	Continuing
3159: <i>Naval Integrated Fire Control-Counter Air SE&amp;I</i>	0.000	0.197	0.094	0.225	-	0.225	0.211	0.179	0.183	0.187	Continuing	Continuing
3186: <i>Air and Missile Defense Radar</i>	0.000	0.311	0.461	0.752	-	0.752	0.628	0.550	0.560	0.570	Continuing	Continuing
3345: <i>ONR Management Headquarters</i>	0.000	16.462	18.469	18.800	-	18.800	17.149	17.476	17.849	18.155	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

The Management HQ - R&D program funds management headquarter civilian personnel salaries at the Office of Naval Research (ONR). These personnel support the management of the Naval Science and Technology (S&T) programs. This program also funds management headquarter contractor support for the Integrated Warfare Systems (IWS) Program Executive Office.

**B. Program Change Summary (\$ in Millions)**

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Previous President's Budget	40.648	41.331	44.711	-	44.711
Current President's Budget	39.914	41.331	42.381	-	42.381
Total Adjustments	-0.734	0.000	-2.330	-	-2.330
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.734	0.000			
• Program Adjustments	0.000	0.000	-2.317	-	-2.317

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2025 Navy	<b>Date:</b> March 2024
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<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 6: RDT&amp;E Management Support</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605898N / <i>Management HQ - R&amp;D</i>
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• Rate/Misc Adjustments	0.000	0.000	-0.013	-	-0.013
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**Change Summary Explanation**

Funding: FY25 decrease is due to CIVPER pricing adjustments and reprioritization of funding for higher Departmental requirements.

Technical: No significant change.

Schedule: No significant change.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 1319 / 6					<b>R-1 Program Element (Number/Name)</b> PE 0605898N / Management HQ - R&D				<b>Project (Number/Name)</b> 0223 / Sub Combat System Improvement (ADV)			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
0223: Sub Combat System Improvement (ADV)	0.000	0.125	0.132	0.127	-	0.127	0.129	0.130	0.119	0.122	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

This project provides management headquarters contractor support to the Integrated Warfare Systems (IWS) Program Executive Office (PEO). This work supports Navy Acoustic Superiority and Technology Insertion Initiatives through the application of advanced development and testing of sensors and sensor processing systems supporting tactical control systems improvements. This addresses technology challenges to improve tactical control in littoral and open ocean environments for a variety of operational missions.

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
<b>Title:</b> Management Headquarters Personnel	0.125	0.132	0.127	0.000	0.127
<b>Articles:</b>	-	-	-	-	-
<b>FY 2024 Plans:</b> - Continue Advanced Processing Build (APB) development, integration, land-based testing, at-sea testing, and establishment of tactical scenarios.					
<b>FY 2025 Base Plans:</b> - Continue Advanced Processing Build (APB) development, integration, land-based testing, at-sea testing, and establishment of tactical scenarios.					
<b>FY 2025 OCO Plans:</b> N/A					
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> - FY 2024 (\$0.132M) to FY 2025 (\$0.127M) decrease (\$-0.005M) is due to miscellaneous rate adjustments.					
<b>Accomplishments/Planned Programs Subtotals</b>	0.125	0.132	0.127	0.000	0.127

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

N/A

**Remarks**

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605898N / <i>Management HQ - R&amp;D</i>	<b>Project (Number/Name)</b> 0223 / <i>Sub Combat System Improvement (ADV)</i>

**D. Acquisition Strategy**  
N/A

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 1319 / 6					<b>R-1 Program Element (Number/Name)</b> PE 0605898N / Management HQ - R&D				<b>Project (Number/Name)</b> 0824 / Science & Technology Management			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
0824: Science & Technology Management	0.000	22.617	22.079	22.248	-	22.248	27.506	23.437	23.035	23.518	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

This project funds all basic costs of Office of Naval Research Management Headquarters Activity (MHA) non-labor in support of the entire Navy Science & Technology (S&T) program. Through this support, the S&T enterprise pursues the technological advances that enable the Fleet's ability to operate from a position of technological superiority.

Specifically, funding facilitates the execution of the Navy's basic research, applied research, and advanced technology development programs at the nation's universities/colleges, Navy laboratories, Warfare Centers, and private industry.

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
<b>Title:</b> Science and Technology Management	22.617	22.079	22.248	0.000	22.248
<b>Articles:</b>	-	-	-	-	-
<b>FY 2024 Plans:</b> Continue to provides corporate MHA Non-Labor support in facilitating the purchase of the S&T programs for the Navy to ensure consistent external reporting. Initiate start of new structure within building.					
<b>FY 2025 Base Plans:</b> Continue to provides corporate MHA Non-Labor support in facilitating the purchase of the S&T programs for the Navy to ensure consistent external reporting. Initiate start of new structure within building.					
<b>FY 2025 OCO Plans:</b> N/A					
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> No significant increase from FY24 to FY25.					
<b>Accomplishments/Planned Programs Subtotals</b>	22.617	22.079	22.248	0.000	22.248

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

N/A

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605898N / <i>Management HQ - R&amp;D</i>	<b>Project (Number/Name)</b> 0824 / <i>Science &amp; Technology Managment</i>

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

**Remarks**

**D. Acquisition Strategy**

N/A

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

<b>Appropriation/Budget Activity</b> 1319 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605898N / Management HQ - R&D	<b>Project (Number/Name)</b> 1447 / Surf Combatant Combat System Imp
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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
1447: Surf Combatant Combat System Imp	0.000	0.202	0.096	0.229	-	0.229	0.215	0.181	0.185	0.189	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

This project provides management headquarters contractor support to the Integrated Warfare System (IWS) Program Executive Office (PEO). This work supports Cruiser and Destroyer AEGIS Combat System (ACS) upgrades and integrates new equipment and systems to pace the threat and capture advances in technology.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<b>Title:</b> Management Headquarter Personnel	0.202	0.096	0.229	0.000	0.229
<b>Articles:</b>	-	-	-	-	-
<b>FY 2024 Plans:</b> Continue to support Cruiser and Destroyer AEGIS Combat System (ACS) upgrades and integrate new equipment and systems to pace the threat and capture advances in technology.					
<b>FY 2025 Base Plans:</b> Continue to support Cruiser and Destroyer AEGIS Combat System (ACS) upgrades and integrate new equipment and systems to pace the threat and capture advances in technology.					
<b>FY 2025 OCO Plans:</b> N/A					
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> FY25 increase is to continue risk reduction testing at CSEDS in accordance with program schedule and requirements.					
<b>Accomplishments/Planned Programs Subtotals</b>	0.202	0.096	0.229	0.000	0.229

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

N/A

**Remarks**

**D. Acquisition Strategy**

N/A

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

<b>Appropriation/Budget Activity</b> 1319 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605898N / Management HQ - R&D	<b>Project (Number/Name)</b> 3159 / Naval Integrated Fire Control-Counter Air SE&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
3159: Naval Integrated Fire Control-Counter Air SE&I	0.000	0.197	0.094	0.225	-	0.225	0.211	0.179	0.183	0.187	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

This project provides management headquarters contractor support to the Integrated Warfare System (IWS) Program Executive Office (PEO). This work supports Naval Integrated Fire Control - Counter Air (NIFC-CA) project. Through this support technological advances are being developed enabling PEO IWS to extend the Naval Theater Air and Missile Defense battlespace out to the maximum kinematic range of our weapons.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<b>Title:</b> Management Headquarter Personnel	0.197	0.094	0.225	0.000	0.225
<b>Articles:</b>	-	-	-	-	-
<b>FY 2024 Plans:</b> Support the Navy's research and development efforts for NIFC-CA's System Engineering, Integration and Test (SEI&T) project. Assist with Test Events At SEA and Land Based Test events.					
<b>FY 2025 Base Plans:</b> Support the Navy's research and development efforts for NIFC-CA's System Engineering, Integration and Test (SEI&T) project. Assist with Test Events At SEA and Land Based Test events.					
<b>FY 2025 OCO Plans:</b> N/A					
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> FY25 increase is to continue risk reduction testing at White Sands Missile Range in accordance with program schedule and requirements.					
<b>Accomplishments/Planned Programs Subtotals</b>	0.197	0.094	0.225	0.000	0.225

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

N/A

**Remarks**

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605898N / <i>Management HQ - R&amp;D</i>	<b>Project (Number/Name)</b> 3159 / <i>Naval Integrated Fire Control-Counter Air SE&amp;I</i>

**D. Acquisition Strategy**  
N/A

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

<b>Appropriation/Budget Activity</b> 1319 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605898N / Management HQ - R&D	<b>Project (Number/Name)</b> 3186 / Air and Missile Defense Radar
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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
3186: Air and Missile Defense Radar	0.000	0.311	0.461	0.752	-	0.752	0.628	0.550	0.560	0.570	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

This project provides management headquarters contractor support to the Integrated Warfare System (IWS) Program Executive Office (PEO). Through this support, technological advances are being developed, enabling PEO IWS to deliver "Enterprise" solutions for Naval Warfare Systems that operate seamlessly and effectively within the Fleet and Joint Forces.

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

	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
<b>Title:</b> Management Headquarter Personnel	0.311	0.461	0.752	0.000	0.752
<b>Articles:</b>	-	-	-	-	-
<b>FY 2024 Plans:</b> Continue risk reduction testing at ARDEL, including refinement of radar operation functions (calibration, fault detection/fault isolation, environmental adaptation), improving electronic protection capabilities, and continue data collection on ballistic missile defense targets of opportunity.					
<b>FY 2025 Base Plans:</b> Continue risk reduction testing at ARDEL, including refinement of radar operation functions (calibration, fault detection/fault isolation, environmental adaptation), improving electronic protection capabilities, and continue data collection on ballistic missile defense targets of opportunity.					
<b>FY 2025 OCO Plans:</b> N/A					
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> FY25 increase is to continue risk reduction testing at ARDEL in accordance with program schedule and requirements.					
<b>Accomplishments/Planned Programs Subtotals</b>	0.311	0.461	0.752	0.000	0.752

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy	<b>Date:</b> March 2024
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<b>Appropriation/Budget Activity</b> 1319 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605898N / Management HQ - R&D	<b>Project (Number/Name)</b> 3186 / Air and Missile Defense Radar
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**C. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u> <u>Base</u>	<u>FY 2025</u> <u>OCO</u>	<u>FY 2025</u> <u>Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDT&E/0604522N: <i>Air and Missile Defense Radar (AMDR) System</i>	90.538	90.174	91.269	-	91.269	84.381	0.000	0.000	0.000	Continuing	Continuing

**Remarks**

**D. Acquisition Strategy**

N/A

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

<b>Appropriation/Budget Activity</b> 1319 / 6					<b>R-1 Program Element (Number/Name)</b> PE 0605898N / Management HQ - R&D				<b>Project (Number/Name)</b> 3345 / ONR Management Headquarters			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
3345: ONR Management Headquarters	0.000	16.462	18.469	18.800	-	18.800	17.149	17.476	17.849	18.155	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

This project funds all basic costs of Office of Naval Research Management Headquarters Activity (MHA) salaries in support of the entire Navy Science & Technology (S&T) program. Through this support, the S&T enterprise pursues the technological advances that enable the Fleet's ability to operate from a position of technological superiority.

Specifically, funding facilitates the execution of the Navy's basic research, applied research, and advanced technology development programs at the nation's universities/colleges, Navy laboratories, Warfare Centers, and private industry.

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
<b>Title:</b> Management Headquarters Personnel	16.462	18.469	18.800	0.000	18.800
<b>Articles:</b>	-	-	-	-	-
<b>Description:</b> N/A					
<b>FY 2024 Plans:</b> Continue to provide corporate MHA personnel salaries to facilitate the purchase of the S&T programs for the Navy to ensure consistent external reporting.					
Continue to reduce auditability challenges to meet the mandate.					
<b>FY 2025 Base Plans:</b> Continue to provide corporate MHA personnel salaries to facilitate the purchase of the S&T programs for the Navy to ensure consistent external reporting.					
<b>FY 2025 OCO Plans:</b> N/A					
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> There's no significant change from FY24 to FY25					
<b>Accomplishments/Planned Programs Subtotals</b>	16.462	18.469	18.800	0.000	18.800

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Exhibit R-2A, RDT&E Project Justification: PB 2025 Navy Date: March 2024

<b>Appropriation/Budget Activity</b> 1319 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605898N / <i>Management HQ - R&amp;D</i>	<b>Project (Number/Name)</b> 3345 / <i>ONR Management Headquarters</i>
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**C. Other Program Funding Summary (\$ in Millions)**

N/A

**Remarks**

**D. Acquisition Strategy**

N/A