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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2021 Navy **Date:** February 2020

<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605327N / T-AO 205 Class
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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	2.957	1.253	1.682	5.148	-	5.148	1.595	0.000	0.000	0.000	0.000	12.635
3375: <i>T-AO 205 Class Development</i>	2.957	1.253	1.682	5.148	-	5.148	1.595	0.000	0.000	0.000	0.000	12.635

**Program MDAP/MAIS Code:**  
**Project MDAP/MAIS Code(s):** P452

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

Test and Evaluation (T&E) requirements to support the T-AO 205 John Lewis Fleet Oiler Class recapitalization of the existing T-AO 187 Fleet Oiler Class. The Navy's Combat Logistics Force (CLF) oilers supply fuel and dry cargo to Navy ships at sea. The T-AO 205 Class will operate as shuttle ships from resupply ports to customer ships. Additionally, in conjunction with a T-AKE, they will accompany and stay on-station with a Carrier Strike Group (CSG) to provide fuel as required to customer ships.

<b><u>B. Program Change Summary (\$ in Millions)</u></b>	<b><u>FY 2019</u></b>	<b><u>FY 2020</u></b>	<b><u>FY 2021 Base</u></b>	<b><u>FY 2021 OCO</u></b>	<b><u>FY 2021 Total</u></b>
Previous President's Budget	1.298	1.682	5.438	-	5.438
Current President's Budget	1.253	1.682	5.148	-	5.148
Total Adjustments	-0.045	0.000	-0.290	-	-0.290
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.045	0.000			
• Program Adjustments	0.000	0.000	-0.287	-	-0.287
• Rate/Misc Adjustments	0.000	0.000	-0.003	-	-0.003

**Change Summary Explanation**

The FY 2021 funding request was reduced by \$0.290 million to account for the availability of prior year execution balances.

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**Exhibit R-2A, RDT&E Project Justification:** PB 2021 Navy **Date:** February 2020

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605327N / T-AO 205 Class	<b>Project (Number/Name)</b> 3375 / T-AO 205 Class Development
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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
3375: T-AO 205 Class Development	2.957	1.253	1.682	5.148	-	5.148	1.595	0.000	0.000	0.000	0.000	12.635
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

**Project MDAP/MAIS Code:** P452

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

Test and Evaluation (T&E) requirements to support the T-AO 205 John Lewis Fleet Oiler Class recapitalization of the existing T-AO 187 Fleet Oiler Class. The Navy's Combat Logistics Force (CLF) oilers supply fuel and dry cargo to Navy ships at sea. The T-AO 205 Class will operate as shuttle ships from resupply ports to customer ships. Additionally, in conjunction with a T-AKE, they will accompany and stay on-station with a Carrier Strike Group (CSG) to provide fuel as required to customer ships.

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

	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
<b>Title:</b> T-AO 205 Class Test and Evaluation	1.253	1.682	5.148	0.000	5.148
<b>Articles:</b>	-	-	-	-	-
<b>FY 2020 Plans:</b> Support the execution of the Test and Evaluation (T&E) Phases Developmental Testing (DT), Operational Testing (OT), and Live Fire Test and Evaluation (LFT&E) per the Test and Evaluation Master Plan (TEMP) schedule. Continue execution of the DT Phase DT-B. FY20 DT-B Test events include cybersecurity DT and shipbuilder conducted system verification. Continue development of test plans for OT Phase OT-C, and Initial Operational Test and Evaluation (IOT&E). Develop Revision 1.0 of the TEMP, as agreed in the Test and Evaluation Working Integrated Product Team (T&E WIPT). Perform Recoverability Assessment in support of Detailed Design Survivability Assessment (DSBEA). Conduct pre-test efforts in support of Total Ship Survivability Trial (TSST). Coordinate efforts with the Shipbuilder, NAVSEA, MSC, PEO SHIPS, COMOPTEVFOR, JITC and OSD DOT&E.					
<b>FY 2021 Base Plans:</b> Support the execution of the T&E Phases DT, OT, and LFT&E per the TEMP. Complete the execution of the DT Phase DT-B and begin DT-C. FY21 DT-C test events include Shipboard Electronic System Evaluation Facility (SESEF) testing, Electromagnetic Environmental Effects (E3) compatibility testing, and underway replenishment ship qualification test. Conduct Operational Test Readiness Review (OTRR). Commence the Integrated Test (IT) portions of OT Phase OT-C, IOT&E. Complete the DSBEA. Coordinate efforts with the Shipbuilder, NAVSEA, MSC, PEO SHIPS, COMOPTEVFOR, JITC and OSD DOT&E.					
<b>FY 2021 OCO Plans:</b>					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Navy		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605327N / T-AO 205 Class	<b>Project (Number/Name)</b> 3375 / T-AO 205 Class Development

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>
N/A					
<b><i>FY 2020 to FY 2021 Increase/Decrease Statement:</i></b> The funding increase in FY21 is due to the planned execution of major test events, including underway replenishment ship qualification test, magnetic signature test, and the Integrated Test (IT) portions of the Initial Operational Test and Evaluation (IOT&E).					
<b>Accomplishments/Planned Programs Subtotals</b>	1.253	1.682	5.148	0.000	5.148

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

<u>Line Item</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021 Base</u>	<u>FY 2021 OCO</u>	<u>FY 2021 Total</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• SCN/5025: T-AO 205 Class Fleet Oiler	1,067.599	1,057.915	59.900	-	59.900	75.207	625.077	1,039.844	569.597	7,483.722	13,259.133

**Remarks**

**D. Acquisition Strategy**

The first Fleet Oiler was awarded in FY16. Fleet oilers will comply with the Oil Pollution Act of 1990 (OPA-90) and International Marine Pollution Regulation (MARPOL) requirements.



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**Exhibit R-4, RDT&E Schedule Profile: PB 2021 Navy** **Date:** February 2020

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605327N / T-AO 205 Class	<b>Project (Number/Name)</b> 3375 / T-AO 205 Class Development
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KEY EVENTS	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
TEST & EVALUATION MASTER PLAN (TEMP) UPDATE	▲	△ TEMP UPDATE					
DEVELOPMENTAL TESTING (DT)							
DT PHASE B (PAT &E)	▲		△ DT-B				
DT PHASE C (PDT &T)			△	△	DT-C		
OPERATIONAL TESTING (OT)							
DT ASSIST	▲		△ DT ASSIST				
OPERATIONAL TEST READINESS REVIEW (OTRR)			△	OTRR			
OT PHASE C (IOT&E)				△△	OT-C		
INITIAL OPERATIONAL TEST AND EVALUATION (IOT&E) REPORT				△	IOT&E REPORT		
LIVE FIRE TEST & EVALUATION (LFT &E)							
DETAILED DESIGN SURVIVABILITY ASSESSMENT (DSBEA)	▲		△	SURV. ASSESS			
TOTAL SHIP SURVIVABILITY TRIAL (TSST)				△	TSST		
FINAL SURVIVABILITY ASSESSMENT REPORT (FSAR)				△	FSAR		

▲ Event Completed      △ Planned Event

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**Exhibit R-4A, RDT&E Schedule Details: PB 2021 Navy** **Date:** February 2020

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605327N / T-AO 205 Class	<b>Project (Number/Name)</b> 3375 / T-AO 205 Class Development
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 3375</b>				
Test & Evaluation Master Plan (TEMP) Update	2	2019	2	2020
Developmental Testing (DT): DT Phase B - Production Acceptance Test & Evaluation (PAT&E)	1	2019	1	2021
Developmental Testing (DT): DT Phase C - Post Delivery Test and Trials (PDT&T)	3	2021	4	2022
Operational Testing (OT): DT Assist	1	2019	1	2021
Operational Testing (OT): Operational Test Readiness Review (OTRR)	4	2021	4	2021
Operational Testing (OT): OT Phase C - Initial Operational Test & Evaluation (IOT&E)	2	2022	2	2022
Operational Testing (OT): IOT&E Report	4	2022	4	2022
Live Fire Test & Evaluation (LFT&E): Detailed Design Survivability Assessment (DSBEA)	1	2019	3	2021
Live Fire Test & Evaluation (LFT&E): Total Ship Survivability Trial (TSST)	2	2022	2	2022
Live Fire Test & Evaluation (LFT&E): Final Survivability Assessment Report (FSAR)	4	2022	4	2022