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Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Navy **Date:** May 2021

Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605327N / T-AO 205 Class
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COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	4.210	1.616	2.064	4.336	-	4.336	-	-	-	-	-	-
3375: <i>T-AO 205 Class Development</i>	4.210	1.616	2.064	4.336	-	4.336	-	-	-	-	-	-

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. Program Change Summary (\$ in Millions)

	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022 Base</u>	<u>FY 2022 OCO</u>	<u>FY 2022 Total</u>
Previous President's Budget	1.682	5.148	1.595	-	1.595
Current President's Budget	1.616	2.064	4.336	-	4.336
Total Adjustments	-0.066	-3.084	2.741	-	2.741
• Congressional General Reductions	-	-0.023			
• Congressional Directed Reductions	-	-3.061			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.066	0.000			
• Program Adjustments	0.000	0.000	3.100	-	3.100
• Rate/Misc Adjustments	0.000	0.000	-0.359	-	-0.359

Change Summary Explanation

The FY2022 funding request was increased by \$2.741 million to support testing for Lead Hull in FY2022.

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Exhibit R-2A, RDT&E Project Justification: PB 2022 Navy **Date:** May 2021

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605327N / T-AO 205 Class	Project (Number/Name) 3375 / T-AO 205 Class Development
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COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
3375: T-AO 205 Class Development	4.210	1.616	2.064	4.336	-	4.336	-	-	-	-	-	-
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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Title: T-AO 205 Class Test and Evaluation	1.616	2.064	4.336	0.000	4.336
Articles:	-	-	-	-	-
FY 2021 Plans:					
Support the planning 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. Coordinate efforts with the Shipbuilder, NAVSEA, Military Sealift Command (MSC), PEO SHIPS, COMOPTEVFOR, Joint Interoperability Command (JITC) and Office of the Secretary of Defense (OSD) Director, Operational Test & Evaluation (DOT&E).					
FY 2022 Base Plans:					
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. The 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). Complete the Detailed Design Survivability Assessment (DSBEA). Complete remaining T&E Phases DT, OT and LFT&E per the TEMP. Complete DT-C, Integrated Testing (IT) and Total Ship Survivability Trial (TSST). Coordinate efforts with the Shipbuilder, NAVSEA, MSC, PEO SHIPS, COMOPTEVFOR, JITC and OSD DOT&E.					
FY 2022 OCO Plans:					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
N/A					
<i>FY 2021 to FY 2022 Increase/Decrease Statement:</i> The funding increase in FY2022 is due to the Lead Hull schedule shifting testing events from FY2021 to FY2022.					
Accomplishments/Planned Programs Subtotals	1.616	2.064	4.336	0.000	4.336

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

<u>Line Item</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022 Base</u>	<u>FY 2022 OCO</u>	<u>FY 2022 Total</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• SCN/5025: T-AO 205 Class Fleet Oiler	1,057.915	20.000	744.196	-	744.196	-	-	-	-	-	-

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-3, RDT&E Project Cost Analysis: PB 2022 Navy **Date:** May 2021

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Test and Evaluation (\$ in Millions)				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Development Test & Evaluation	Various	Various : Various	1.515	0.628	Feb 2020	0.866	Apr 2021	1.094	Jan 2022	-		1.094	-	-	-
Operational Test & Evaluation	Various	Various : Various	1.230	0.185	Feb 2020	0.687	Apr 2021	2.112	Jan 2022	-		2.112	-	-	-
Live Fire Test & Evaluation	Various	Various : Various	1.465	0.803	Feb 2020	0.511	Apr 2021	1.130	Jan 2022	-		1.130	-	-	-
Subtotal			4.210	1.616		2.064		4.336		-		4.336	-	-	N/A

Remarks
 The Lead Hull contractual delivery date was November 2020 with the major Test & Evaluation events occurring in FY 2021. The Lead Hull planned delivery is now March 2022 with the major Test & Evaluation events occurring in FY 2022. There is no change in the cost for these (T&E) events re-phased across FY22 and FY23.

	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	4.210	1.616	2.064	4.336	-	4.336	-	-	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2022 Navy **Date:** May 2021

Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0605327N / T-AO 205 Class	Project (Number/Name) 3375 / T-AO 205 Class Development
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KEY EVENTS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
TEST & EVALUATION MASTER PLAN (TEMP) REVISION	▲	△	TEMP REVISION				
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				
LIVE FIRE TEST & EVALUATION (LFT&E)							
DETAILED DESIGN SURVIVABILITY ASSESSMENT (D SBEA)	▲		△ SURV. ASSESS				
TOTAL SHIP SURVIVABILITY TRIAL (T SST)			△ TSST				
	▲		△				
	Event Completed		Planned Event				

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Exhibit R-4A, RDT&E Schedule Details: PB 2022 Navy **Date:** May 2021

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

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