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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Navy **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	5.826	2.045	4.336	0.220	-	0.220	0.071	0.000	0.000	0.000	0.000	12.498
3375: <i>T-AO 205 Class Development</i>	5.826	2.045	4.336	0.220	-	0.220	0.071	0.000	0.000	0.000	0.000	12.498

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 2021</u>	<u>FY 2022</u>	<u>FY 2023 Base</u>	<u>FY 2023 OCO</u>	<u>FY 2023 Total</u>
Previous President's Budget	2.064	4.336	0.000	-	0.000
Current President's Budget	2.045	4.336	0.220	-	0.220
Total Adjustments	-0.019	0.000	0.220	-	0.220
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.019	0.000			
• Rate/Misc Adjustments	0.000	0.000	0.000	-	0.000
• Adjustments to Budget Year	-	-	0.220	-	0.220

Change Summary Explanation

The FY 2023 funding request was reduced by \$0.075 million to account for the availability of prior year execution balances. T-AO 205 delivery is May 2022, this was a 2 month schedule delay with first of class complexities (power train, system controls) and continued COVID driven labor shortages. Thus there was a one for one delay for the following testing events: Completion of DT-B, DT-C, OT-C, Survivability Assessment, TSST and FSAR.

FY 2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding.

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Navy **Date:** April 2022

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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
3375: T-AO 205 Class Development	5.826	2.045	4.336	0.220	-	0.220	0.071	0.000	0.000	0.000	0.000	12.498
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 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Title: T-AO 205 Class Test and Evaluation	2.045	4.336	0.220	0.000	0.220
Articles:	-	-	-	-	-
FY 2022 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 2023 Base Plans: Complete 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. Complete DT-C, Integrated Testing (IT), Initial Operational Test and Evaluation (IOT&E), and Final Survivability Assessment Report (FSAR). Coordinate efforts with the Shipbuilder, NAVSEA, MSC, PEO SHIPS, COMOPTEVFOR, JITC and OSD DOT&E.					
FY 2023 OCO Plans: N/A					
FY 2022 to FY 2023 Increase/Decrease Statement:					

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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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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
The funding decrease in FY23 of -\$4.116M is due to there being fewer T&E events to execute in FY23 as the T&E phase is ramping down.					
Accomplishments/Planned Programs Subtotals	2.045	4.336	0.220	0.000	0.220

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

<u>Line Item</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023 Base</u>	<u>FY 2023 OCO</u>	<u>FY 2023 Total</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• SCN/5025: T-AO 205 Class Fleet Oiler	79.900	1,530.484	922.819	-	922.819	1,470.928	745.392	746.798	763.956	4,968.685	14,581.583
• SCN/5300: Completion of PY Shpbldg Progr	407.312	0.000	1,328.146	-	1,328.146	950.292	143.692	163.397	101.050	0.000	3,093.889

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 2023 Navy **Date:** April 2022

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 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
TEST & EVALUATION MASTER PLAN (TEMP) REVISION	▲	TEMP REVISION					
DEVELOPMENTAL TESTING (DT)							
DT PHA SE B (PAT&E)	▲	△	DT-B				
DT PHA SEC (PDT&T)		△	△ DT-C				
OPERATIONAL TESTING (OT)							
DT ASSIST	▲ DT ASSIST						
OPERATIONAL TEST READINESS REVIEW (OTRR)		△ OTRR					
OT PHA SEC (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 SURVMABILITY TRIAL (TSST)			△ TSST				
FINAL SURVMABILITY ASSESSMENT REPORT (FSAR)			△ FSAR				

▲ Completed Event △ Planned Event

****Note:** T-AO 205 delivery is May 2022, this was a 2 month schedule delay with first of class complexities (power train, system controls) and continued COVID driven labor shortages. Thus there was a one for one delay for the following testing events:

- Completion of DT-B
- DT-C
- OT-C
- Survivability Assessment
- TSST
- FSAR

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Exhibit R-4A, RDT&E Schedule Details: PB 2023 Navy **Date:** April 2022

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	1	2021	4	2021
Developmental Testing (DT): DT Phase B - Production Acceptance Test & Evaluation (PAT&E)	1	2021	3	2022
Developmental Testing (DT): DT Phase C - Post Delivery Test and Trials (PDT&T)	3	2022	3	2023
Operational Testing (OT): DT Assist	1	2021	1	2021
Operational Testing (OT): Operational Test Readiness Review (OTRR)	3	2022	3	2022
Operational Testing (OT): OT Phase C (IOT&E)	1	2023	1	2023
Operational Testing (OT): Initial Operational Test and Evaluation (IOT&E) Report	3	2023	3	2023
Live Fire Test & Evaluation (LFT&E): Detailed Design Survivability Assessment (DSBEA)	1	2021	3	2022
Live Fire Test & Evaluation (LFT&E): Total Ship Survivability Trial (TSST)	1	2023	1	2023
Live Fire Test & Evaluation (LFT&E): Final Survivability Assessment Report (FSAR)	2	2023	2	2023