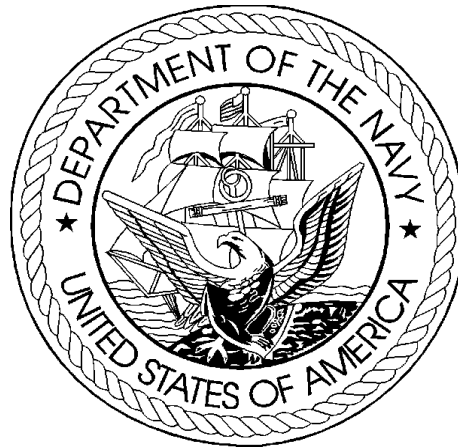


DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2013
BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES
FEBRUARY 2012

NATIONAL DEFENSE SEALIFT FUND

**INTENTIONALLY
BLANK**

Department of Defense Appropriations Act, 2013

National Defense Sealift Fund

For National Defense Sealift Fund programs, projects, and activities, and for expenses of the National Defense Reserve Fleet, as established by section 11 of the Merchant Ship Sales Act of 1946 (50 U.S.C. App. 1744), and for the necessary expenses to maintain and preserve a U.S.-flag merchant fleet to serve the national security needs of the United States, \$608,136,000, to remain available until expended: *Provided*, That none of the funds provided in this paragraph shall be used to award a new contract that provides for the acquisition of any of the following major components unless such components are manufactured in the United States: auxiliary equipment, including pumps, for all shipboard services; propulsion system components (that is; engines, reduction gears, and propellers); shipboard cranes; and spreaders for shipboard cranes: *Provided further*, That the exercise of an option in a contract awarded through the obligation of previously appropriated funds shall not be considered to be the award of a new contract: *Provided further*, That the Secretary of the military department responsible for such procurement may waive the restrictions in the first proviso on a case-by-case basis by certifying in writing to the Committees on Appropriations of the House of Representatives and the Senate that adequate domestic supplies are not available to meet Department of Defense requirements on a timely basis and that such an acquisition must be made in order to acquire capability for national security purposes.

**INTENTIONALLY
BLANK**

UNCLASSIFIED

Department of Defense
 FY 2013 President's Budget
 Exhibit O-1 FY 2013 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

02 Feb 2012

Appropriation Summary -----	FY 2011 Actuals -----	FY 2012 Base -----	FY 2012 OCO -----	FY 2012 Total -----
Department of the Navy				
National Defense Sealift Fund	1,237,441	1,065,075		1,065,075
Total Department of the Navy	1,237,441	1,065,075		1,065,075
 Total Operation and Maintenance Title	 1,237,441	 1,065,075		 1,065,075

UNCLASSIFIED

Department of Defense
FY 2013 President's Budget
Exhibit O-1 FY 2013 President's Budget
Total Obligational Authority
(Dollars in Thousands)

02 Feb 2012

Appropriation Summary -----	FY 2013 Base -----	FY 2013 OCO -----	FY 2013 Total -----
Department of the Navy			
National Defense Sealift Fund	608,136		608,136
Total Department of the Navy	608,136		608,136
 Total Operation and Maintenance Title	 608,136		 608,136

UNCLASSIFIED

Department of Defense
FY 2013 President's Budget
Exhibit O-1 FY 2013 President's Budget
Total Obligational Authority
(Dollars in Thousands)

02 Feb 2012

	FY 2011 Actuals	FY 2012 Base	FY 2012 OCO	FY 2012 Total	S e c
	-----	-----	-----	-----	-
4557N National Defense Sealift Fund					
TOTAL, BA 01: Strategic Sealift Acquisition	712,929	424,161		424,161	
TOTAL, BA 02: DoD Mobilization Assets	134,233	318,645		318,645	
TOTAL, BA 04: Research and Development	18,149	48,443		48,443	
TOTAL, BA 05: Ready Reserve Force	372,130	273,826		273,826	
Total National Defense Sealift Fund	1,237,441	1,065,075		1,065,075	
Details:					
Budget Activity 01: Strategic Sealift Acquisition					
Strategic Sealift Acquisition					
4557N 010 0120 T-AKE	124,327				U
4557N 020 0401 MPF MLP	551,647	400,000		400,000	U
4557N 030 5000 Post Delivery and Outfitting	36,955	24,161		24,161	U
Total Strategic Sealift Acquisition	712,929	424,161		424,161	
Total, BA 01: Strategic Sealift Acquisition	712,929	424,161		424,161	
Budget Activity 02: DoD Mobilization Assets					
Mobilization Preparedness					
4557N 040 0200 National Def Sealift Vessel		1,138		1,138	U
4557N 050 0220 LG Med Spd Ro/Ro Maintenance	84,908	92,567		92,567	U
4557N 060 0230 DoD Mobilization Alterations	24,942	184,109		184,109	U
4557N 070 0250 TAH Maintenance	24,383	40,831		40,831	U
Total Mobilization Preparedness	134,233	318,645		318,645	
Total, BA 02: DoD Mobilization Assets	134,233	318,645		318,645	
Budget Activity 04: Research and Development					
Research And Development					
4557N 080 0900 Research And Development	18,149	48,443		48,443	U
Total Research And Development	18,149	48,443		48,443	
Total, BA 04: Research and Development	18,149	48,443		48,443	
Budget Activity 05: Ready Reserve Force					
Ready Reserve and Prepositioning Force					
4557N 090 0500 Ready Reserve Force	332,130	273,826		273,826	U

O-1C: FY 2013 President's Budget (Published Version), as of February 2, 2012 at 12:11:54

UNCLASSIFIED

UNCLASSIFIED

Department of Defense
FY 2013 President's Budget
Exhibit O-1 FY 2013 President's Budget
Total Obligational Authority
(Dollars in Thousands)

02 Feb 2012

	FY 2013 Base	FY 2013 OCO	FY 2013 Total	S e c
	-----	-----	-----	-
4557N National Defense Sealift Fund				
TOTAL, BA 01: Strategic Sealift Acquisition	77,386		77,386	
TOTAL, BA 02: DoD Mobilization Assets	184,616		184,616	
TOTAL, BA 04: Research and Development	42,811		42,811	
TOTAL, BA 05: Ready Reserve Force	303,323		303,323	
Total National Defense Sealift Fund	608,136		608,136	
Details:				
Budget Activity 01: Strategic Sealift Acquisition				
Strategic Sealift Acquisition				
4557N 010 0120 T-AKE				U
4557N 020 0401 MPF MLP	38,000		38,000	U
4557N 030 5000 Post Delivery and Outfitting	39,386		39,386	U
Total Strategic Sealift Acquisition	77,386		77,386	
Total, BA 01: Strategic Sealift Acquisition	77,386		77,386	
Budget Activity 02: DoD Mobilization Assets				
Mobilization Preparedness				
4557N 040 0200 National Def Sealift Vessel				U
4557N 050 0220 LG Med Spd Ro/Ro Maintenance	128,819		128,819	U
4557N 060 0230 DoD Mobilization Alterations	26,598		26,598	U
4557N 070 0250 TAH Maintenance	29,199		29,199	U
Total Mobilization Preparedness	184,616		184,616	
Total, BA 02: DoD Mobilization Assets	184,616		184,616	
Budget Activity 04: Research and Development				
Research And Development				
4557N 080 0900 Research And Development	42,811		42,811	U
Total Research And Development	42,811		42,811	
Total, BA 04: Research and Development	42,811		42,811	
Budget Activity 05: Ready Reserve Force				
Ready Reserve and Prepositioning Force				
4557N 090 0500 Ready Reserve Force	303,323		303,323	U

O-1C: FY 2013 President's Budget (Published Version), as of February 2, 2012 at 12:11:54

UNCLASSIFIED

UNCLASSIFIED

Department of Defense
 FY 2013 President's Budget
 Exhibit O-1 FY 2013 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

02 Feb 2012

	FY 2011 Actuals	FY 2012 Base	FY 2012 OCO	FY 2012 Total	S e c -
	-----	-----	-----	-----	
4557N National Defense Sealift Fund					
4557N 100 0510 MARAD Ship Financing Guarantee Program	40,000				U
Total Ready Reserve and Prepositioning Force	372,130	273,826		273,826	
Total, BA 05: Ready Reserve Force	372,130	273,826		273,826	
Total National Defense Sealift Fund	1,237,441	1,065,075		1,065,075	

UNCLASSIFIED

Department of Defense
 FY 2013 President's Budget
 Exhibit O-1 FY 2013 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

02 Feb 2012

	FY 2013 Base -----	FY 2013 OCO -----	FY 2013 Total -----	S e c -
4557N National Defense Sealift Fund				
4557N 100 0510 MARAD Ship Financing Guarantee Program				U
Total Ready Reserve and Prepositioning Force	303,323		303,323	
Total, BA 05: Ready Reserve Force	303,323		303,323	
Total National Defense Sealift Fund	608,136		608,136	

**NDSF SUMMARY NARRATIVE
FY 2013 PRESIDENT BUDGET SUBMISSION
FEBRUARY 2012**

The FY 2013 total budget submission for NDSF is \$608.1 million.

The request includes \$42.8 million for multiple research and development efforts and \$39.4 million for the outfitting and post delivery costs associated with the Mobile Landing Platform (MLP). Also included is a request for \$38.0M for detail design efforts for the Afloat Forward Staging Base (AFSB) variant of the fourth MLP.

The submission includes \$158.0 million for costs associated with the operation and maintenance of Large Medium Speed Roll-on/Roll-off (LMSR) vessels, other common-user sealift vessels, and Fleet Hospital Ships (T-AH). There is \$303.3 million for costs associated with the maintenance of the National Defense Reserve Fleet (NDRF), which includes the Ready Reserve Force (RRF).

The submission includes \$26.6 million for DoD Mobilization Alterations which will fund civilian crew modernization efforts for the T-AOE 6 class ships and fund energy conservation alterations to Military Sealift Command ships

The NDSF funds the operation, maintenance, and support (O&S) of current strategic sealift assets. These operations, other than RRF vessels, are funded on a reimbursable basis to the NDSF appropriation. The individual Defense components order these services from the NDSF via a funded Economy Act Order. The NDSF purchases these O&S services by issuing reimbursable orders to either the Transportation Working Capital Fund (TWCF) or the Navy Working Capital Fund (NWCF).

UNCLASSIFIED

**NDSF INDEX
FY 2013 PRESIDENT BUDGET SUBMISSION
FEBRUARY 2012**

NDSF BUDGET ACTIVITIES/PROGRAMS	PAGES
NDSF BA 01: Strategic Ship Acquisition (T-AKE, MLP, Outfitting and Post Delivery)	4-20
NDSF BA 02: DoD Mobilization Assets (LMSR Maintenance, Mobilization Alterations, T-AH Maintenance)	21-25
NDSF BA 03: Strategic Sealift Support (National Defense Features)	26
NDSF BA 04: Sealift Research and Development	27-51
NDSF BA 05: Ready Reserve Force	52-55

UNCLASSIFIED

NDSF SUMMARY FINANCIAL DATA
FY 2013 PRESIDENT'S BUDGET SUBMISSION
FEBRUARY 2012

TOA (\$M)								
	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Total Program</u>
BA 01: Strategic Ship Acquisition	911.2	424.2	77.4	605.5	17.3	910.0	-	2,945.5
0125: T-ATF	-	-	-	-	-	216.0	-	216.0
0160: Fleet Oiler Recapitalization (T-AO(X))	-	-	-	-	-	694.0	-	694.0
0401: MLP	880.0	400.0	38.0	562.0	-	-	-	1,880.0
5000: Outfitting and Post Delivery	31.2	24.2	39.4	43.5	17.3	-	-	155.5
BA-02: DoD Mobilization Assets	158.6	318.7	184.6	317.1	279.3	234.4	205.4	1,698.2
0200: National Defense Sealift Vessels	1.5	1.1	-	-	-	-	-	2.6
0220: LMSR Maintenance	106.9	92.6	128.8	156.9	153.6	168.7	167.0	974.4
0230: DOD Mobilization Alterations	25.9	184.1	26.6	133.8	89.2	40.0	12.8	512.4
0250: T-AH Maintenance	24.4	40.8	29.2	26.5	36.5	25.7	25.7	208.8
BA-03: Strategic Sealift Support	4.9	-	-	-	-	-	-	4.9
BLI 0300: National Defense Features	4.9	-	-	-	-	-	-	4.9
NDSF BA 04: Sealift Research and Development	28.0	48.4	42.8	52.4	54.5	27.4	28.0	281.6
0900: Research and Development	28.0	48.4	42.8	52.4	54.5	27.4	28.0	281.6
NDSF BA-05: Ready Reserve Force	372.1	309.3	303.3	299.0	293.4	300.7	320.4	2,198.2
0500: Ready Reserve Force	332.1	309.3	303.3	299.0	293.4	300.7	320.4	2,158.2
0510: MARAD Ship Financing Guarantee Program	40.0	-	-	-	-	-	-	40.0
TOTAL NDSF	1,474.9	1,100.6	608.1	1,274.0	644.5	1,472.5	553.9	7,128.4

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET (P-40)											DATE:	
FY 2013 President's Budget											February 2012	
APPROPRIATION/BUDGET ACTIVITY						P-1 LINE ITEM NOMENCLATURE						
National Defense Sealift Fund/BA 1						T-AKE BLI: 0120						
(Dollars in Millions)	PRIOR YR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	TO COMP	TOTAL PROG		
QUANTITY	14	0	0	0	0	0	0	0	0	14		
End Cost	6495.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6495.7		
Less Advance Procurement	400.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400.0		
Less Cost to Complete	512.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	512.6		
Less Subsequent Year FF	324.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	324.3		
Full Funding TOA	5258.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5258.8		
Plus Advance Procurement	400.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	400.0		
Plus Cost To Complete	512.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	512.6		
Plus T-AKE 10 Full Funding	324.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	324.3		
Plus Outfitting / Post Delivery	83.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.6		
Plus Hurricane Supplemental	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0		
Total Obligational Authority	6589.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6589.3		
Plus Outfitting / Post Delivery	193.7	31.2	18.0	0.0	0.0	0.0	0.0	0.0	0.0	242.9		
Total	6783.0	31.2	18.0	0.0	0.0	0.0	0.0	0.0	0.0	6832.2		
Unit Cost (Ave. End Cost)	464.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	464.0		
MISSION:												
The Dry Cargo/Ammunition Ship (T-AKE) Acquisition Program will replace the aging fleet of refrigerated cargo and food stores ships (designated AFS Class) and ammunition ships (designated AE Class) in the Navy's Combat Logistics Force (CLF). The primary mission of the T-AKE is to provide a steady stream of ammunition, spare parts and provisions (dry, refrigerated and frozen) to naval forces at sea in its role as a shuttle ship.												
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> Characteristics: Hull Length Overall Beam Displacement Draft </div> <div style="width: 30%;"> 689 FT 106 FT 40,539 LT 30 FT </div> <div style="width: 30%;"> Armament N/A </div> <div style="width: 30%;"> Electronics GCCS-M ISNS DMR NTCSS/SUADPS HF ALE </div> <div style="width: 30%;"> HFIP ADNS RCS Turnkey CND TVS/TVT </div> <div style="width: 30%;"> DMS IFF/TACAN Military GPS CBSP Fleet Broadcast </div> </div>												
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> PRODUCTION STATUS Contract Award Date Months to Completion a) Contract Award to Delivery b) Construction Start to Delivery Delivery Date Completion of Fitting-Out </div> <div style="width: 30%;"> FY10 T-AKE 13 02/10 47 months 44 months 12/13 02/14 </div> <div style="width: 30%;"> FY10 T-AKE 14 02/10 58 months 49 months 11/14 02/15 </div> <div style="width: 30%;"></div> </div>												

UNCLASSIFIED

APPROPRIATION: National Defense Sealift Func

P-5 EXHIBIT
FY 2013 President's Budget
February 2012

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)
(Dollars in Thousands)

BUDGET ACTIVITY: 1		P-1 LINE ITEM NOMENCLATURE T-AKE	BLI: 0120
ELEMENT OF COST		FY 2010 QTY COST	
PLAN COSTS		2	
BASIC CONST/CONVERSION			1,053,466
CHANGE ORDERS			17,534
ELECTRONICS			42,724
HM&E			20,989
OTHER COST			2,697
TOTAL SHIP ESTIMATE			1,137,410
LESS ADVANCE PROCUREMENT FY08			200,000
NET P-1 LINE ITEM:			937,410

UNCLASSIFIED

P-5B Exhibit
 FY 2013 President's Budget
 February 2012

National Defense Sealift Fund

Analysis of Ship Cost Estimate - Basic/Escalation

Ship Type: T-AKE

<u>I. Design/Schedule</u>	<u>Start/Issue</u>	<u>Complete</u> <u>/Response</u>	<u>Reissue</u>	<u>Complete</u> <u>/Response</u>
Issue date for TLR	N/A			N/A
Issue date for TLS				
Preliminary Design	OCT 2001			FEB 2003
Contract Design	AUG 2002			DEC 2004
Detail Design	APR 2003			JAN 2005
Request for Proposals				
Design Agent				
<u>II. Classification of Cost Estimate</u>	CLASS C			
<u>III. Basic Construction/Conversion</u>	FY10, T-AKE 13	FY10, T-AKE14		
A. Actual Award Date	FEB 2010	FEB 2010		
B. Contract Type (and Share Line if applicable)	FPI, 20/80	FPI, 20/80		
<u>IV. Escalation</u>	FY10, T-AKE 13	FY10, T-AKE 14		
Escalation Termination Date				
Escalation Requirement	FWD PRICED	FWD PRICED		
Labor/Material Split				
Allowable Overhead Rate				
<u>V. Other Basic(Reserves/Miscellaneous)</u>	<u>Amount</u>			

National Defense Sealift Fund
SHIP PRODUCTION SCHEDULE

EXHIBIT P-27
FY 2013 President's Budget
February 2012

SHIP TYPE	HULL NUMBER	SHIPBUILDER	FISCAL YEAR AUTHORIZED	CONTRACT AWARD	START OF CONSTRUCTION	DELIVERY DATE
T-AKE	0013	GD/NASSCO	10	FEB-10	APR-10	DEC-13*
T-AKE	0014	GD/NASSCO	10	FEB-10	OCT-10	NOV-14*

*NOTE: The Delivery Dates for T-AKE 13-14 shown above reflect the Construction Contract Delivery Dates. The shipbuilder has formally transmitted and the Program Manager has concurred with the following dates:

	Planned Delivery
T-AKE 13	APR-12
T-AKE 14	OCT-12

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED										
BUDGET ITEM JUSTIFICATION SHEET (P-40) FY 2013 President's Budget								DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY National Defense Sealift Fund/BA 1					P-1 LINE ITEM NOMENCLATURE MLP BLI: 0401					
(Dollars in Millions)	PRIOR YR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	TO COMP	TOTAL PROG
QUANTITY	0	2	1	0	1	0	0	0	0	4
End Cost	0.0	939.7	460.0	0.0	600.0	0.0	0.0	0.0	0.0	1,999.7
Less Advance Procurement	0.0	119.7	60.0	0.0	38.0	0.0	0.0	0.0	0.0	217.7
Full Funding TOA	0.0	820.0	400.0	0.0	562.0	0.0	0.0	0.0	0.0	1,782.0
Plus Advance Procurement	119.7	60.0	0.0	38.0	0.0	0.0	0.0	0.0	0.0	217.7
Total Obligational Authority	119.7	880.0	400.0	38.0	562.0	0.0	0.0	0.0	0.0	1,999.7
Plus Outfitting / Plus Post Delivery	0.0	0.0	6.2	31.0	39.4	43.5	17.3	0.0	34.3	171.7
Total	119.7	880.0	406.2	69.0	588.5	1.3	0.0	0.0	34.3	2,099.0
Unit Cost (Ave. End Cost)	0.0	469.9	460.0	0.0	600.0	0.0	0.0	0.0	0.0	499.9
MISSION:										
Mobile Landing Platform (MLP)- Principal interface of the organic surface connectors for the Maritime Prepositioning Force (MPF) Squadron vehicle transfer at-sea operations and the primary platform to support the Marine Expeditionary Brigade (MEB) surface battalion in reinforcement mission.										
The MPF will be part of the transformational SEABASING capability as defined in the SEABASING Joint Integrating Concept (JIC). MPF will provide the nation rapid response force capability in anti-access or area denial environments. MPF will also provide the Combatant Commanders (COCOMs) /Joint Force Commanders a highly flexible operational and logistics support capability to meet widely varied expeditionary missions ranging from delivering combat ready personnel ashore in reinforcement mission in support of an Expeditionary Strike Force (ESF), to conducting independent operations in a permissive environment for Humanitarian Assistance, Global War on Terrorism (GWOT) or other smaller scale contingency operations.										
The Department will procure the FY 14 MLP as an Afloat Forward Staging Base (AFSB) variant. The AFSB variant will include additional accommodations, aviation and hangar space, additional logistics and UNREP capability, and additional C4I capability to support future missions.										
Characteristics:				FY11	FY11	FY12				
Hull	Nominal Requirements	Production Status		MLP 1	MLP 2	MLP 3				
Length overall	255.0m	Contract Award Date:		5/11	5/11	2/12				
Beam	50.0m	Months to Completion								
Displacement	28879 metric tons	a) Construction award to delivery	25	37	32					
Draft	9.1M	b) Construction Start to Delivery	24	24	24					
		Delivery Date	6/13	6/14	10/14					
		Completion of Fitting Out	8/13	8/14	12/14					
Armament: Major Electronics:										
N/A C4ISR										

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

APPROPRIATION: National Defense Sealift Fund

P-5 EXHIBIT

FY 2013 President's Budget

February 2012

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)

(Dollars in Thousands)

BUDGET ACTIVITY: 1		P-1 LINE ITEM NOMENCLATURE		BLI: 0401	
		MLP			
ELEMENT OF COST	FY 2011		FY 2012		
	QTY	COST	QTY	COST	
PLAN COSTS	2	44,111	1		
BASIC CONST/CONVERSION		814,591		423,000	
CHANGE ORDERS		13,000		4,000	
ELECTRONICS		14,000		7,000	
HM&E		44,614		21,166	
OTHER COST		9,386		4,834	
TOTAL SHIP ESTIMATE		939,702		460,000	
LESS ADVANCE PROCUREMENT FY10		119,702			
LESS ADVANCE PROCUREMENT FY11				60,000	
NET P-1 LINE ITEM:		820,000		400,000	

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

P-5B Exhibit

National Defense Sealift Fund
Analysis of Ship Cost Estimate - Basic/Escalation

FY 2013 President's Budget

DATE:

February 2012

Ship Type: MLP

I. <u>Design/Schedule</u>	<u>Start/Issue</u>	<u>Complete</u>	<u>Reissue</u>	<u>Complete</u>
		<u>/Response</u>		<u>/Response</u>
Issue date for TLR				
Issue date for TLS				
Preliminary Design	SEP 2009	DEC 2009		
Contract Design	DEC 2009	AUG 2010		
Detail Design	AUG 2010	NOV 2011		
Request for Proposals				
Design Agent				
II. <u>Classification of Cost Estimate</u>	BUDGET QUALITY CLASS			
III. <u>Basic Construction/Conversion</u>	FY11, MLP 1	FY11, MLP 2	FY12, MLP 3	FY14, MLP 4
A. Actual Award Date	MAY 2011	MAY 2011	FEB 2012	JAN 2014
	FPI, 20/80 BELOW TARGET: 50/50	FPI, 20/80 BELOW TARGET: 50/50	FPI, 20/80 BELOW TARGET: 50/50	FPI, 20/80 BELOW TARGET: 50/50
B. Contract Type (and Share Line if applicable)	ABOVE TARGET	ABOVE TARGET	ABOVE TARGET	ABOVE TARGET
IV. <u>Escalation</u>				
Escalation Termination Date				
Escalation Requirement				
Labor/Material Split				
Allowable Overhead Rate				
V. <u>Other Basic(Reserves/Miscellaneous)</u>	<u>Amount</u>			

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

National Defense Sealift Fund
SHIP PRODUCTION SCHEDULE

EXHIBIT P-27

FY 2013 President's Budget

DATE:

February 2012

SHIP TYPE	HULL NUMBER	SHIPBUILDER	FISCAL YEAR AUTHORIZED	CONTRACT AWARD	START OF CONSTRUCTION	DELIVERY DATE
MLP 1	1101	GD/NASSCO	11	MAY-11	JUN-11	JUN-13
MLP 2	1102	GD/NASSCO	11	MAY-11	JUN-12	JUN-14
MLP 3	1201	GD/NASSCO	12	FEB-12	OCT-12	OCT-14
MLP 4	1401	GD/NASSCO	14	JAN-14	JUN-14	APR-16

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

P-8A EXHIBIT

FY 2013 President's Budget

February 2012

National Defense Sealift Fund

Analysis of Ship Cost Estimates - Major Equipment

(Dollars in Thousands)

Ship Type:

	FY 2011		FY 2012	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
ELECTRONICS				
a. P-35 Items				
C4ISR	2	13,300	1	6,650
Subtotal		13,300		6,650
b. Major Items				
MISC ELECTRONICS		700		350
Subtotal		700		350
c. Other ELECTRONICS				
Subtotal				
Total ELECTRONICS		14,000		7,000

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

P-8A EXHIBIT

FY 2013 President's Budget

February 2012

National Defense Sealift Fund

Analysis of Ship Cost Estimates - Major Equipment

(Dollars in Thousands)

Ship Type:

	FY 2011		FY 2012	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
HM&E				
a. P-35 Items				
CORE CAPABILITY SET	2	33,000	1	16,000
Subtotal		33,000		16,000
b. Major Items				
ENGINEERING SERVICES		5,354		2,328
SUPSHIP MATERIAL SERVICES		3,123		1,269
LOGISTICS SUPPORT SERVICES		1,107		735
TESTING AND INSTRUMENTATION		2,030		834
Subtotal		11,614		5,166
c. Other HM&E				
Subtotal				
Total HM&E		44,614		21,166

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

National Defense Sealift Fund
MAJOR SHIP COMPONENT FACT SHEET
(Dollars in Thousands)

P-35 EXHIBIT
FY 2013 President's Budget
February 2012

Ship Type:
Equipment Item: C4ISR
PARM Code:

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

Provides communications between the ship, command hierarchy, and other operating units.

II. CURRENT FUNDING:**P-35 Category**

	FY 2011		FY 2012	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
Major Hardware	2	7,846	1	4,013
Spares		930		465
System Engineering		2,794		1,307
Technical Engineering Services		532		266
Other Costs		1,198		599
Total		13,300		6,650

III. CONTRACT DATA:

PROGRAM	SHIP	PRIME	CONTRACT	AWARD	NEW		HARDWARE
<u>YEAR</u>	<u>TYPE</u>	<u>CONTRACTOR</u>	<u>TYPE</u>	<u>DATE</u>	<u>/OPTION</u>	<u>QTY</u>	<u>UNIT COST</u>
11	MLP	TBD	TBD	TBD	TBD	2	3,923
12	MLP	TBD	TBD	TBD	TBD	1	4,013

IV. DELIVERY DATE:

PROGRAM	SHIP	EARLIEST SHIP	MONTHS REQUIRED	PRODUCTION	REQUIRED
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEADTIME</u>	<u>AWARD DATE</u>
11	MLP	JUN-13	TBD	TBD	TBD
12	MLP	OCT-14	TBD	TBD	TBD

V. COMPETITION/SECOND SOURCE INITIATIVES:**NOTE:**

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

National Defense Sealift Fund
MAJOR SHIP COMPONENT FACT SHEET
(Dollars in Thousands)

P-35 EXHIBIT
FY 2013 President's Budget
February 2012

Ship Type:
Equipment Item: CORE CAPABILITY SET
PARM Code:

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

The MLP CCS consist of items needed by the MLP to accomplish its mission of providing vehicle and equipment transfer at sea and interfacing with surface connectors to deliver vehicles and equipment ashore. It consists of an elevated vehicle storage deck, three LCAC service lanes, an LCAC service walk, and support structures to receive an LMSR side ramp and for fender to bear upon. The CCS will be installed after ship delivery from the shipbuilders.

II. CURRENT FUNDING:**P-35 Category**

	FY 2011		FY 2012	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
Major Hardware	2	32,000	1	16,000
System Engineering		1,000		0
Total		33,000		16,000

III. CONTRACT DATA:

PROGRAM	SHIP	PRIME	CONTRACT	AWARD	NEW		HARDWARE
<u>YEAR</u>	<u>TYPE</u>	<u>CONTRACTOR</u>	<u>TYPE</u>	<u>DATE</u>	<u>/OPTION</u>	<u>QTY</u>	<u>UNIT COST</u>
11	MLP 1 1101	TBD	FFP/FPIF	APR-12	NEW	1	16,000
11	MLP 2 1102	TBD	FFP/FPIF	APR-12	TBD	1	16,000
12	MLP 3 1201	TBD	FFP/FPIF	APR-12	TBD	1	16,000

IV. DELIVERY DATE:

PROGRAM	SHIP	EARLIEST SHIP	MONTHS REQUIRED	PRODUCTION	REQUIRED
<u>YEAR</u>	<u>TYPE</u>	<u>DELIVERY DATE</u>	<u>BEFORE DELIVERY</u>	<u>LEADTIME</u>	<u>AWARD DATE</u>
11	MLP 1 1101	JUN-13	0	14	APR-12
11	MLP 2 1102	JUN-14	0	14	APR-13
12	MLP 3 1201	OCT-14	0	14	AUG-13

V. COMPETITION/SECOND SOURCE INITIATIVES:

NOTE:

UNCLASSIFIED

CLASSIFICATION:			UNCLASSIFIED										
Exhibit P-10, Advance Procurement Requirements Analysis (Funding)										Date: February 2012			
Appropriation (Treasury)Code/CC/BA/BSA/Item Control Number NDSF / 01 / BLI 0401								P-1 Line Item Nomenclature MLP					
Weapon System MLP 4			First System (BY1) Award Date and Completion Date JANUARY 2014						Interval Between Systems				
BLI	PLT	When Req'd	Prior Years	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	To Complete	Total
Plans (Design)	N/A	VAR	0.00	0.00	0.00	38.00	0.00	0.00	0.00	0.00	0.00	0.00	38.00
Total AP			0.00	0.00	0.00	38.00	0.00	0.00	0.00	0.00	0.00	0.00	38.00
Description:													
Plans (Design) Detail design for Afloat Forward Staging Base variant of MLP.													

UNCLASSIFIED

CLASSIFICATION:				UNCLASSIFIED		
Exhibit P-10, Advance Procurement Requirements Analysis (Budget Justification)						Date: February 2012
Appropriation (Treasury)Code/CC/BA/BSA/Item Control Number NDSF / 01 / BLI 0401				Weapon System MLP 4		P-1 Line Item Nomenclature MLP
(TOA \$ in Millions)				FY13		
	PLT	QPA	Unit Cost	Qty	Contract Forecast Date	Total Cost Request
Plans (Design)	N/A	LOT	38.00	1	November 2012	38.00
Description: Plans (Design): Detail design for Afloat Forward Staging Base variant of MLP.						

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED										
BUDGET ITEM JUSTIFICATION SHEET (P-40)								DATE: February 2012		
FY 2013 President's Budget										
APPROPRIATION/BUDGET ACTIVITY					P-1 LINE ITEM NOMENCLATURE					
National Defense Sealift Fund/BA 1					NDSF OUTFITTING AND POST DELIVERY					
					SUBHEAD NO. VARIOUS BLI: 5000					
(Dollars in Millions)	PRIOR YR	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	TO COMP	TOTAL PROG
Full Funding TOA-Outfitting	29.4	25.1	6.2	31.0	26.5	1.3	0.0	0.0	49.8	169.3
Full Funding TOA-Post Delivery	11.0	6.1	18.0	8.4	17.0	16.0	0.0	0.0	35.5	112.0
Total Obligational Authority	40.4	31.2	24.2	39.4	43.5	17.3	0.0	0.0	85.3	281.3
MISSION:										
<p>NDSF BLI 5000 established supporting Post Delivery and Outfitting requirements for T-AKE, MLP, T-AO(X), and T-ATF programs.</p> <p>Outfitting funds are used to acquire on board repair parts, other secondary items, equipage, recreation items, precommissioning crew support and general use consumables furnished to the shipbuilder or the fitting-out activity to fill the ship's initial allowances as defined by the baseline Coordinated Shipboard Allowance List (COSAL). The program also budgets for contractor-furnished spares, lead-time away from delivery. The program ensures operational readiness of ships undergoing new construction. It ensures these ships receive there full allowances of spare parts and equipment which are vitally required to support the shipboard maintenance process; ensures ships are equipped with operating space items (tools, test equipment, damage control), personnel safety and survivability commodities for successful completion builder sea trials; supports shipboard maintenance and therefore achieving the OPNAV-directed Supply Readiness goals for material on board ship at delivery.</p> <p>Post Delivery funding covers the fixing of government-responsible items which were believed to have been complete to standard and/or operable at delivery. It is essential to deliver to the Fleet complete ships, free from both contractor and government responsible deficiencies, capable of supporting the Navy's mission from the first day of service. The Post Shakedown Availability (PSA) is a shipyard availability assigned to commence after delivery. It is during this time that Acceptance and Final Contract Trials deficiencies will be corrected. The purpose of the PSA is to accomplish correction of new construction deficiencies found during the shakedown period which are authorized; correction of other contractor and government responsible deficiencies previously authorized; and accomplishment of other improvements or class items as authorized. Funding is used for corrections authorized by the Ship Program Manager as a result of builders trials (pre-delivery), acceptance or underway trials, final contract trials, trial board items, and correction of production-related defects or deficiencies which develop during the Post Delivery period.</p>										

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED														
BUDGET ITEM JUSTIFICATION SHEET(P-29) FY 2013 President's Budget										DATE February 2012				
APPROPRIATION/BUDGET ACTIVITY								P-1 LINE ITEM NOMENCLATURE						
National Defense Sealift Fund/BA 1								NDSF OUTFITTING AND POST DELIVERY BLI: 5000/SUBHEAD NO. VARIOUS						
Ship Type	HULL NO	PROG YEAR	Contract Award	Start of Constr.	DEL DATE	CFO DATE	PSA START	PSA FINISH	PRIOR YEARS	FY 2011	FY 2012	FY 2013	TO COMP	TOTAL
MLP	1101	11	MAY-11	JUN-11	JUN-13	AUG-13	OCT-13	JAN-14	0	0	6184	15198	399	21,781
MLP	1102	11	MAY-11	JUN-12	JUN-14	AUG-14	OCT-14	JAN-15	0	0	0	8494	12,181	20,675
MLP	1201	12	FEB-12	OCT-12	OCT-14	DEC-14	FEB-15	MAY-15	0	0	0	7296	15,170	22,466
MLP	1401	14	JAN-14	JUN-14	APR-16	JUN-16	AUG-16	NOV-16	0	0	0	0	21,800	21,800
MLP Total									0	0	6,184	30,988	49,550	86,722
T-AO(X)	1601	16	DEC-15	DEC-17	DEC-19	FEB-20	MAY-20	AUG-20	0	0	0	0	18,000	18,000
T-AO(X) Total									0	0	0	0	18,000	18,000
T-AKE	11	09	DEC-08	MAR-09	FEB-11	MAR-11	JUL-11	SEP-11	12,962	0	0	0	0	12,962
T-AKE	12	09	DEC-08	SEP-09	SEP-11	OCT-11	JAN-12	MAR-12	13,478	0	0	0	0	13,478
T-AKE	13	10	FEB-10	APR-10	APR-12*	MAY-12*	AUG-12*	OCT-12*	1,537	12503	0	0	0	14,040
T-AKE	14	10	FEB-10	OCT-10	OCT-12*	NOV-12*	FEB-13*	APR-13*	1,417	12633	0	0	0	14,050
T-AKE Total									29,394	25,136	0	0	0	54,530
T-ATF	1601	16	FEB-16	OCT-16	JUN-19	AUG-19	MAY-20	JUN-20	0	0	0	0	5,000	5,000
T-ATF	1602	16	FEB-16	JAN-17	SEP-19	NOV-19	AUG-20	SEP-20	0	0	0	0	5,000	5,000
T-ATF Total									0	0	0	0	10,000	10,000
Full Funding TOA-Outfitting Total									29,394	25,136	6,184	30,988	77,550	169,252

*NOTE: The Delivery Dates shown above for the T-AKE 13 - 14 reflect the shipbuilder's accelerated Planned Delivery Dates. The shipbuilder has formally transmitted and the Program Manager has concurred with the dates above. Listed below are the Construction Contract Delivery Dates also shown in BLI 0120 P-27.

Delivery Date

T-AKE 13 DEC-13

T-AKE 14 NOV-14

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED															
BUDGET ITEM JUSTIFICATION SHEET(P-30) FY 2013 President's Budget											DATE February 2012				
APPROPRIATION/BUDGET ACTIVITY								P-1 LINE ITEM NOMENCLATURE NDSF OUTFITTING AND POST DELIVERY BLI: 5000/SUBHEAD NO. VARIOUS							
National Defense Sealift Fund/BA 1															
Ship Type	HULL NO	PROG YEAR	Contract Award	Start of Constr.	DEL DATE	CFO DATE	PSA START	PSA FINISH	PRIOR YEARS	FY 2011	FY 2012	FY 2013	TO COMP	TOTAL	
MLP	1101	11	MAY-11	JUN-11	JUN-13	AUG-13	OCT-13	JAN-14	0	0	0	8398	8,497	16,895	
MLP	1102	11	MAY-11	JUN-12	JUN-14	AUG-14	OCT-14	JAN-15	0	0	0	0	11,988	11,988	
MLP	1201	12	FEB-12	OCT-12	OCT-14	DEC-14	FEB-15	MAY-15	0	0	0	0	12,480	12,480	
MLP	1401	14	JAN-14	JUN-14	APR-16	JUN-16	AUG-16	NOV-16	0	0	0	0	12,500	12,500	
MLP Total									0	0	0	8,398	45,465	53,863	
T-AO(X)	1601	16	DEC-15	DEC-17	DEC-19	FEB-20	MAY-20	AUG-20	0	0	0	0	15,000	15,000	
T-AO(X) Total									0	0	0	0	15,000	15,000	
T-AKE	11	09	DEC-08	MAR-09	FEB-11	MAR-11	JUL-11	SEP-11	4,804	3683	0	0	0	8,487	
T-AKE	12	09	DEC-08	SEP-09	SEP-11	OCT-11	JAN-12	MAR-12	6,156	2383	0	0	0	8,539	
T-AKE	13	10	FEB-10	APR-10	APR-12*	MAY-12*	AUG-12*	OCT-12*	12	0	8989	0	0	9,001	
T-AKE	14	10	FEB-10	OCT-10	OCT-12*	NOV-12*	FEB-13*	APR-13*	12	0	8988	0	0	9,000	
T-AKE Total									10,984	6,066	17,977	0	0	35,027	
T-ATF	1601	16	FEB-16	OCT-16	JUN-19	AUG-19	MAY-20	JUN-20	0	0	0	0	4,000	4,000	
T-ATF	1602	16	FEB-16	JAN-17	SEP-19	NOV-19	AUG-20	SEP-20	0	0	0	0	4,000	4,000	
T-ATF Total									0	0	0	0	8,000	8,000	
Full Funding TOA-Outfitting Total									29,394	25,136	6,184	30,988	77,550	169,252	
Full Funding TOA-Post Delivery Total									10,984	6,066	17,977	8,398	68,465	111,890	
Total Obligational Authority Total									40,378	31,202	24,161	39,386	146,015	281,142	

*NOTE: The Delivery Dates shown above for the T-AKE 13 - 14 reflect the shipbuilder's accelerated Planned Delivery Dates. The shipbuilder has formally transmitted and the Program Manager has concurred with the dates above. Listed below are the Construction Contract Delivery Dates also shown in BLI 0120 P-27.

	Delivery Date
T-AKE 13	DEC-13
T-AKE 14	NOV-14

UNCLASSIFIED

**NATIONAL DEFENSE SEALIFT FUND
Exhibit P-40
FY 2013 PRESIDENT'S BUDGET SUBMISSION**

**FEBRUARY 2012
BA 02
BLI 0200**

**National Defense Sealift Vessels
(\$M)**

<u>National Defense Sealift</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>
Total National Defense Sealift	1.5	1.1	0.0

Justification:

This line item funds tanker contingency contracts. The contracts would require companies to provide ships to fulfill tanker capacity requirements upon demand at preset readiness requirements. Navy and USTRANSCOM review of Ready Reserve Force (RRF) requirements following the 2005 Mobility Capabilities Study determined that RRF Tankers could be inactivated by the end of FY 2006. Although these reductions increased risk by creating a 90,000 barrel petroleum capacity shortfall, this risk was addressed by funding the tanker contingency contracts.

Narrative Explanation of Program Changes:

The change between FY 2011 and FY 2012 (-\$0.4M) is pricing only based on execution experience. Between FY 2012 and FY 2013 (-\$1.1M) the program is terminated based on a change in requirements guidance from USTRANSCOM .

NATIONAL DEFENSE SEALIFT FUND
Exhibit P-40
FY 2013 PRESIDENT'S BUDGET SUBMISSION

FEBRUARY 2012
BA 02
BLI 0220

Large Medium Speed RO/RO (LMSR)
(\$M)

<u>LMSR</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>
Total, LMSR	106.9	92.6	128.8

Justification:

Large, Medium-Speed, Roll-on/Roll-off Ships (LMSRs) can carry an entire U.S. Army Task Force, including 58 tanks, 48 other track vehicles, plus more than 900 trucks and other wheeled vehicles. The ship carries vehicles and equipment to support humanitarian missions, as well as combat missions. These ships have a cargo carrying capacity of more than 380,000 square feet, equivalent to almost eight football fields. In addition, LMSRs have a slewing stern ramp and a removable ramp which services two side ports making it easy to drive vehicles on and off the ship. Interior ramps between decks ease traffic flow once cargo is loaded aboard ship. Two 110-ton single pedestal twin cranes make it possible to load and unload cargo where shore side infrastructure is limited or nonexistent. A commercial helicopter deck was added for emergency daytime landing.

LMSRs are maintained in a five-day Reduced Operating Status (ROS-5) as recommended by the OSD Mobility Requirements Study (MRS) and the MRS Bottom-Up Review Update (MRS BURU). These ships provide the initial surge sealift capacity required to transport the lead combat forces from CONUS to a given area of operation and satisfy time critical war fighting requirements. The criteria for each readiness status was also specified in the MRS (i.e., Outporting, Sea/Dock Trials, Maintenance). ROS-5 ships have a cadre crew assigned, are outported at a layberth, and undergo annual sea trials, periodic dock trials, and required periodic regulatory dry dockings/inspections.

Up to four LMSRs, formerly in prepositioning status for the Army, have been maintained in a ROS-30 status beginning in FY 2008. In FY 2010 - FY 2012, only two LMSRs will be maintained in ROS-30 since the other two have become part of the Navy's Maritime Prepositioning Force (MPF). The final two ROS-30 LMSRs will return to Army Prepositioning by the end of FY 2012.

Beginning in FY 2013, seven former MPF ships (4 legacy MPS and 3 MPF(Enhanced) ships) are moving to common-user sealift status and are funded within this line item. FY 2013 includes funding for 16 ROS-5 common user sealift vessels.

Narrative Explanation of Program Changes:

Between FY 2011 and FY 2012, there are pricing changes for TWCF rates (-\$9.8M), cost savings from utilization of the Beaumont Layberth Facility (BLF) (-\$0.5M), and energy cost savings resulting from Energy Conservation (ENCON) investments (-\$0.4M). Program changes between FY 2011 and FY 2012 reflect the return of one ROS-30 LMSR to Army Prepositioning during FY 2012 (-\$3.6M). Between FY 2012 and FY 2013, program changes are due to the assignment of one LMSR to the MPF (-\$9.3M), the return of ROS-30 LMSRs to Army Prepositioning (-\$8.3M) and the inclusion of seven (4 MPF legacy and 3 MPF(E)) former MPF ships (+\$64.8M). Pricing change is +\$2.8M. \$13.8M of the FY 2013 program will be forward financed with FY12 funding (realigned from LI 0230 funds) made available due to changes in the composition and number of Maritime Prepositioning Squadrons (MPSRON).

UNCLASSIFIED

NATIONAL DEFENSE SEALIFT FUND
Exhibit P-40
FY 2013 PRESIDENT'S BUDGET SUBMISSION

FEBRUARY 2012
BA 02
BLI 0230

DOD Strategic Vessel Modernization
(\$M)

<u>Modernization</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>
OPDS Vessel/Tender Procurement	0.0	47.4	0.0
High-Speed Ferries Transfer	0.0	35.0	0.0
LMSR Mods for Prepo	4.0	39.2	0.0
T-AOE-6 Modernization	6.2	40.5	9.0
T-AH Permanent Helo Shelters	8.1	0.0	0.0
T-Alts	3.6	2.1	0.0
ENCON T-Alts	0.0	19.9	17.6
Heavy UnRep	4.0	0.0	0.0
Total, Modernization	25.9	184.1	26.6

Justification:

General: Vessel modernization replaces obsolete equipment and responds to emergent fleet and COCOM requirements. Requirements are prioritized annually and fiscal resources are allocated to complete the most important safety and operational requirements.

Offshore Petroleum Distribution System (OPDS) Vessel/Tender Procurement: FY 2012 includes \$47.4 million to purchase the currently leased Offshore Petroleum Distribution System (OPDS) vessel Motor Vessel (M/V) Wheeler and its associated tender, recognizing the long-term requirement for this system. M/V Wheeler will be prepositioned sealift vessel.

High-Speed Ferries Transfer- As authorized by the section 1015 of the FY 2012 National Defense Authorization Act, the Department provided \$35 million to the Maritime Administration of the Department of Transportation for title transfer of the Motor Vessel (M/V) HUAKAI and M/V ALAKAI (formerly of Hawaiian Superferry) to the Department of the Navy. These funds were made available due to changes in the composition of the Maritime Prepositioning Squadrons (MPSRONS) and the associated modification efforts.

LMSR Prepo Mods: Based upon the Department's decision to inactivate one of the three MSPRONS, \$50 million of \$74.2 million appropriated for this effort will not be needed for LMSR prepo mods. \$35 million of this funding was used to purchase the M/V HUAKAI and M/V ALAKAI (see previous paragraph. The FY 2013 request for LMSR Maintenance (LI 0220) was reduced by \$13.8 million and the FY 2013 request in this line for T-AOE-6 Modernization was reduced by \$1.2 million to account for the remaining \$15 million. The remaining FY 2012 will be used to modify the 1 additional surge vessel for prepo (\$15.0M) and complete the modification of USNS Sisler (\$9.2M). The program completes in FY12.

UNCLASSIFIED

**NATIONAL DEFENSE SEALIFT FUND
Exhibit P-40
FY 2013 PRESIDENT'S BUDGET SUBMISSION
DOD Strategic Vessel Modernization**

**FEBRUARY 2012
BA 02
BLI 0230**

Justification (continued):

T-AOE Civilian Crew Modifications (CivMod): Required to accommodate civilian mariner crews for the former AOE-6 class ships transferred to Military Sealift Command (MSC). The T-AOE-6 modernization conversions for the four ships of the class are scheduled in FY 2012, FY 2014, FY 2015 and FY 2016. The funding increase from FY 2011 to FY 2012 (+\$34.3M) reflects the first of the CivMod availabilities scheduled in FY 2012. Between FY 2012 and FY 2013, funding requirement decreases due to no availability scheduled in FY 2013; only effort is to procure long lead time material and design efforts for the remaining availabilities (-\$31.5).

T-AH Permanent Helo Shelters: FY 2011 includes \$8.1M for the procurement and installation of a permanent helo shelter on one of the two T-AH class ships in FY 2011; second and final installation in FY 2015. Due to the increased use of these ships in HA/DR missions, it has become more difficult to obtain U.S. Coast Guard approval for temporary shelters currently in use.

Transportation Alterations (T-Alts): Transportation Ship Alterations (T-Alts) are required to perform required modernization and upgrades, primarily to Hull, Mechanical and Electrical (HM&E) systems. Decrease from FY 2011 to FY 2012 (-\$1.5M) reflects the completion of the Improved Navy Lighterage System (INLS) alterations on Maritime Prepositioning Force ships. Decrease from FY 2012 to FY 2013 (-\$2.3M) reflects emphasis on the ENCON alterations vice HM&E alterations.

ENCON T-Alts: Funds the investment in Energy Conservation (ENCON) efforts resulting in reduced energy costs for MSC ship operations in the operating accounts. Major efforts in FY 2012 include: T-AKE Intelligent HVAC, energy auditing devices, shore power monitoring, and ORPOT (+\$19.9M). Decrease between FY 2012 and FY 2013 reflects completion of some initial ENCON alterations (-\$2.3M).

Heavy Underway Replenishment (UnRep) capability provides safety and process improvements, interoperates with existing STREAM, and doubles lift capacity and transfer rate over current STREAM to 12K lbs lift and 70ST/HR/rig transfer rate. Current efforts for Heavy UnRep prototype fabrication and testing will complete, but further procurement and installation has been cancelled. Funding decrease from FY 2011 to FY 2012 (\$4.0M) reflects the completion of prototyping and cancellation of further efforts at this time.

Narrative Explanation of Program Changes: Program changes from FY 2011 to FY 2012 and from FY 2012 to FY 2013 are discussed in the justification.

UNCLASSIFIED

**NATIONAL DEFENSE SEALIFT FUND
Exhibit P-40
FY 2013 PRESIDENT'S BUDGET SUBMISSION**

**FEBRUARY 2012
BA 02
BLI 0250**

**Hospital Ships (T-AH)
(\$M)**

<u>T-AH</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>
Total T-AH ROS Operations	24.4	40.8	29.2

Justification:

Two T-AHs are maintained in a five-day Reduced Operating Status (ROS-5) as required by Defense Planning Guidance and COCOM OPLANS. These ships provide the critical initial surge field hospital capability to support war fighting, humanitarian, and Operations Other Than War. T-AH ships have a cadre crew assigned, are outported at a Layberth, and undergo annual sea trials, periodic dock trials, and required periodic regulatory dry dockings/inspections.

Funding supports the following areas:

- Crew costs -- CIVMAR wages & salaries.

- Maintenance & Repair -- preventative maintenance, regulatory inspections, dry dockings, and overhauls.

- Layberth -- berth lease, utilities, tugs, pilots, and in-port fuel.

- Other costs -- ADP support, supplies, subsistence, spare parts, consumables, and NWCF AOR results.

Narrative Explanation of Program Changes:

The NWCF pricing change between FY 2011 and FY 2012 (+\$16.4M) reflects the one-time MERCY overhaul costs in FY 2012. Between FY 2012 and FY 2013, the one-time MERCY overhaul is completed (-\$16.4M); there is +\$1.9M for additional maintenance/repair and updates to High Volume Air Conditioning (HVAC) systems; and a pricing increase due to NWCF rate changes (+\$2.9M).

UNCLASSIFIED

**NATIONAL DEFENSE SEALIFT FUND
Exhibit P-40
FY 2013 PRESIDENT'S BUDGET SUBMISSION**

**FEBRUARY 2012
BA 03
BLI 0300**

**National Defense Features (NDF)
(\$M)**

<u>NDF</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>
Total NDF	4.9	0.0	0.0

Justification:

The National Defense Features (NDF) program provides funds for the installation and maintenance of critical defense features on privately owned and operated, U.S.-built, U.S.-flagged merchant vessels. NDF are features built into or added to commercial vessels to make them more capable of supporting the military in a contingency. Examples include enhancing a vessel's ability to carry military equipment or ammunition or to enhance a vessel's characteristics such as speed, range, or deck strength. Vessel construction cost, except for the cost of NDF, will be borne by the commercial interest who will contract directly with a U.S. shipyard for conversion or construction of the ship.

Narrative Explanation of Program Changes: Changes from FY 2011 to FY 2012 (-\$4.9M) reflect an indefinite delay in the program based on limited commercial interest in participation.

EXHIBIT R-2, RDT&E BUDGET ITEM JUSTIFICATION							DATE
							February 2012
APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOMENCLATURE				
RDTEN/BA 4			0408042N/NATIONAL DEFENSE SEALIFT FUND				
COST (In Millions)	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Total PE Cost	28.012	48.443	42.811	52.398	54.493	27.435	28.010
3110 / Maritime Prepositioning Force (Future)	3.477	4.928	9.464	9.712	19.567	0.000	0.000
3116 / Strategic Sealift Research & Development	5.311	6.461	6.177	6.299	6.322	6.202	6.358
3117 / Naval Operational Logistics Integration	14.734	24.145	18.187	25.304	19.828	21.233	21.652
3417 / Future Combat Logistics Force Development	4.490	12.909	8.983	11.083	8.776	0.000	0.000
<p>A. MISSION DESCRIPTION:</p> <p>This Program Element supports multiple NDSF R&D efforts under various project units. Project Unit efforts are as follows:</p> <p>(1) Maritime Prepositioning Force (Future) - MPF(F) (3110) - concept studies, preliminary, contract designs and technology development leading to detail design and construction award of ship systems that will provide a highly flexible, operational and logistics support capability to enable Expeditionary Maneuver Warfare concepts and to meet required operational capabilities with respect to Force Closure, Amphibious Task Force Integration, Sustainment and Reconstitution/Redeployment. FY 13 includes initial research and development efforts for Afloat Forward Staging Base modules planned for procurement in FY 2014.</p> <p>(2) Strategic Sealift Research and Development (3116) - develops new concepts and technologies which can be applied to or will enable future strategic sealift, combat logistics force, and seabasing systems. The technologies include ship configuration concepts, equipments to increase cargo handling and cargo loading/unloading rates (including commercial and merchant ship systems), improved man/machine interfaces, improved structural configurations and materials, and Logistics-Over-the-Shore (LOTS) equipment and system improvements to enable LOTS operations to satisfy Joint Forces Commander (JFC) sea state and operational requirements.</p> <p>(3) Naval Operational Logistics Integration (OPLOG) (3117) - develops enabling technologies for future and in-service afloat operational logistics and integrated supply systems; defines integrated combat logistics force and combatant logistics requirements; and provides a forum for cooperative initiatives of acquisition programs, program sponsors, engineering managers, the Navy science and technology community and fleet customers.</p> <p>(4) Future Combat Logistics Force Development (3417) - Develop concept studies, ship design, and trade off studies in support of 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(X) will operate as a shuttle ship 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.</p>							

EXHIBIT R-2, RDT&E BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE February 2012	
APPROPRIATION/BUDGET ACTIVITY RDTEN/BA 4		R-1 ITEM NOMENCLATURE 0408042N/NATIONAL DEFENSE SEALIFT FUND	
B. PROGRAM CHANGE SUMMARY:			
Funding:	FY 2011	FY 2012	FY 2013
FY12 President's Budget	28.012	48.443	38.936
FY13 President's Budget	28.012	48.443	42.811
Total Adjustments	0.000	0.000	3.875
(U) Summary of Adjustments			
Congressional Rescissions	0.000	0.000	0.000
Congressional Adjustments	0.000	0.000	0.000
SBIR/STTR/FTT Assessment	0.000	0.000	0.000
Program Adjustments	0.000	0.000	6.000
Rate/Misc Adjustments	0.000	0.000	-2.125
Total	0.000	0.000	3.875
<p>Program changes in FY 13 include adding additional funding for T-AO(X) development and Afloat Forward Staging Base (AFSB) Development.</p>			

UNCLASSIFIED

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE February 2012		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 4	PROGRAM ELEMENT NUMBER AND NAME 0408042N/NATIONAL DEFENSE SEALIFT FUND				PROJECT NUMBER AND NAME 3110/Maritime Prepositioning Force (Future)		
COST (In Millions)	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Project Cost	3.477	4.928	9.464	9.712	19.567	0.000	0.000
RDT&E Articles Qty	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Maritime Prepositioning Force (Future) - MPF(F) (3110) - Concept studies, preliminary, contract designs and technology development leading to detail design and construction award of ship systems that will provide a highly flexible, operational and logistics support capability to enable Expeditionary Maneuver Warfare and to meet required operational capabilities with respect to Force Closure, Assemble, Employment, Sustainment and Reconstitution/Redeployment. Includes development, operational, and live fire testing for MLP, Afloat Forward Staging Base (AFSB) module and Core Capability Set (CCS).							

UNCLASSIFIED

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION			DATE February 2012	
APPROPRIATION/BUDGET ACTIVITY RDTEN/BA 4	PROGRAM ELEMENT NUMBER AND NAME 0408042N/ NATIONAL DEFENSE SEALIFT FUND	PROJECT NUMBER AND NAME 3110/Maritime Prepositioning Force (Future)		
B. ACCOMPLISHMENTS/PLANNED PROGRAM:				
	FY 2011	FY 2012	FY 2013	
MLP Engineering and Acquisition Development and Test & Evaluation	3.477	4.928	3.964	
RDT&E Articles Quantity	0.00	0.00	0.00	
<p>Engineering and Acquisition Support: Engineering integration and acquisition support including acquisition requirements definition, test and evaluation, Naval Ordnance Safety and Security Activity (NOSSA) and Weapon System Explosive Safety Review Board (WSESRB) support, NAVAIR aviation system support and SPAWAR C4I system support, Naval Surface Warfare Center (NSWC) engineering and acquisition milestone documentation development for the Mobile Landing Platform (MLP) and MPF(F) concepts.</p> <p>FY11 - Tracked execution of Test and Evaluation schedule to Test and Evaluation Master Plan</p> <ul style="list-style-type: none"> - Prepared for Development Test and Evaluation (DT&E) Phase V1 - Conducted planning and preparation for Operational Test and Evaluation (OT&E) - Completed Preliminary Survivability Assessment Report (PSAR) for Live Fire Test and Evaluation (LFT&E) - Conducted engineering research on feasibility of transferring Office of Naval Research Technologies to MLP <p>FY12 - Continued tracking execution of Test and Evaluation schedule to Test and Evaluation Master Plan</p> <ul style="list-style-type: none"> - Continued Preparation and conduct of DT&E Phase B1 - Continued planning and preparation for OT&E - Completed Detailed Design Survivability Assessment Report (DDSAR) for LFT&E - Continued engineering research on feasibility of transferring Office of Naval Research Technologies to MLP <p>FY13 - Continue tracking execution of Test and Evaluation schedule to Test and Evaluation Master Plan</p> <ul style="list-style-type: none"> - Complete DT&E Phase B1 and commence DT&E Phase B2 - Continue planning and preparation for Operational Test and Evaluation (OT&E) - Complete DDSAR for LFT&E - Begin Total Ship Survivability Trial (TSST) Planning - Continue engineering research on feasibility of transferring Office of Naval Research Technologies to MLP 				
	FY 2011	FY 2012	FY 2013	
AFSB Module Engineering and Acquisition Development and Test & Evaluation	0.000	0.000	5.500	
RDT&E Articles Quantity	0.00	0.00	0.00	
<p>The Afloat Forward Staging Base (AFSB) module will be installed on an MLP. It will provide for Air Mine Counter Measures (AMCM) aviation support and berthing for a Mine Counter-Measure mission.</p> <p>FY13 - Conduct Preliminary Design of an AFSB module</p> <ul style="list-style-type: none"> - Conduct Engineering Design of an AFSB module - Prepare for Development Test and Evaluation (DT&E) - Conduct planning and preparation for Operational Test and Evaluation (OT&E) 				

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)							DATE February 2012		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 4	PROGRAM ELEMENT NUMBER AND NAME 0408042N/ NATIONAL DEFENSE SEALIFT FUND				PROJECT NUMBER AND NAME 3110/Maritime Prepositioning Force (Future)				
C. OTHER PROGRAM FUNDING SUMMARY:									
Line Item No. and Name	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total Cost
NDSF Line 0230, Afloat Forward Staging Base Module	0.000	0.000	0.000	67.700	29.300	0.000	0.000	0.000	97.000
NDSF Line 0401, MPF MLP Acquisition	880.000	400.000	38.000	562.000	0.000	0.000	0.000	0.000	1,880.000
NDSF Line 5000, Outfitting/Post Delivery	0.000	6.184	39.386	43.455	17.260	0.000	0.000	0.000	106.285
 D. ACQUISITION STRATEGY:									
MPF(F) - The department deferred the MPF(F) outside the FYDP. However, in order to supplement the current maritime prepositioning force, and to provide in theater capability to support resupplying a Maritime Expeditionary Brigade, the Department is procuring 4 MLPs in the current FYDP; 2 MLPs in FY11, 1 MLP in FY12, and 1 MLP as an AFSB variant in FY14.									
 E. PERFORMANCE METRICS:									
None.									

UNCLASSIFIED

EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS									DATE			
									February 2012			
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME					
RDTEN/BA 4		0408042N/ NATIONAL DEFENSE SEALIFT FUND					3110/Maritime Prepositioning Force (Future)					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost (\$000)	FY 2011 Cost (\$000)	FY 2011 Award Date	FY 2012 Cost (\$000)	FY 2012 Award Date	FY 2013 Cost (\$000)	FY 2013 Award Date	Cost to Complete (\$000)	Total Cost (\$000)	Target Value of Contract
Engineering Development and Design	FFP	TBD	0.000	0.000		0.000		3.600	TBD	6.800	10.400	0.000
Subtotal Product Development			0.000	0.000		0.000		3.600		6.800	10.400	0.000
Remarks:												
			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Subtotal Support Costs			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
Operational Test & Evaluation	WX	MCOTEA/JITC/COMOPTEVFOR	1.820	0.800	MAY-11	0.600	JAN-12	1.200	JAN-13	6.500	10.920	0.000
Live Fire Test & Evaluation	WX	MCOTEA/JITC/COMOPTEVFOR	1.640	0.850	MAY-11	0.700	JAN-12	1.650	JAN-13	1.900	6.740	0.000
Developmental Test & Evaluation	WX	MCOTEA/JITC/COMOPTEVFOR	1.400	1.827	MAY-11	3.628	JAN-12	2.626	JAN-13	12.869	22.350	0.000
Subtotal Test and Evaluation			4.860	3.477		4.928		5.476		21.269	40.010	0.000
Remarks:												
Program Management Support	CPFF	TBD	0.000	0.000		0.000		0.288	DEC-12	0.900	1.188	0.000
Travel	TO	VARIOUS	0.000	0.000		0.000		0.100	OCT-12	0.300	0.400	0.000
Subtotal Management Services			0.000	0.000		0.000		0.388		1.200	1.588	0.000
Remarks:												
Total Cost			4.860	3.477		4.928		9.464		29.269	52.008	0.000

[illegible]

UNCLASSIFIED

EXHIBIT R-4a, SCHEDULE DETAIL						DATE		
						February 2012		
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME			PROJECT NUMBER AND NAME			
RD TEN/BA 4		0408042N/NATIONAL DEFENSE SEALIFT FUND			3110/Maritime Prepositioning Force (Future)			
Schedule Profile		FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
MILESTONES								
MLP MS B		3Q						
MLP MS C						4Q		
DD&C CONTRACT AWARDS								
MLP 1 DD&C		3Q						
MLP 2 CA		3Q						
MLP 3 CA			2Q					
MLP 4 DD & CA				2Q	2Q			
SHIP DELIVERIES								
MLP 1				3Q				
MLP 2					3Q			
MLP 3						1Q		
MLP 4							4Q	
AFSB								
AFSB Module				1Q-4Q	1Q-4Q	1Q-4Q		
MLP 1				3Q				
TESTING								
MLP TEST AND EVALUATION PROGRAM DEVELOPMENT				4Q	1Q-3Q			
MLP DEVELOPMENTAL TEST AND EVALUATION (DT&E)		2Q-4Q	1Q-4Q	1Q-4Q	1Q-3Q			
MLP OPERATIONAL TEST AND EVALUATION (OT&E)					4Q	1Q-4Q		
MLP LIVE FIRE TEST AND EVALUATION (LFT&E)		4Q		2Q		1Q-3Q		

UNCLASSIFIED

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE February 2012		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 4	PROGRAM ELEMENT NUMBER AND NAME 0408042N/NATIONAL DEFENSE SEALIFT FUND				PROJECT NUMBER AND NAME 3116/Strategic Sealift Research & Development		
COST (In Millions)	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Project Cost	5.311	6.461	6.177	6.299	6.322	6.202	6.358
RDT&E Articles Qty	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Strategic Sealift Research and Development (3116) - Develops new concepts and technologies which can be applied to or will enable future strategic sealift, and Seabasing systems. The technologies include ship configuration concepts, equipments to increase cargo handling and cargo loading/unloading rates (including commercial and merchant ship systems), improved man/machine interfaces, improved structural configurations and materials, and Logistics-Over-the-Shore (LOTS) equipment and system improvements.							

UNCLASSIFIED

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION			DATE February 2012
APPROPRIATION/BUDGET ACTIVITY RDTEN/BA 4	PROGRAM ELEMENT NUMBER AND NAME 0408042N/ NATIONAL DEFENSE SEALIFT FUND	PROJECT NUMBER AND NAME 3116/Strategic Sealift Research & Development	
B. ACCOMPLISHMENTS/PLANNED PROGRAM:			
	FY 2011	FY 2012	FY 2013
MERSHIP Systems Development	0.000	0.270	0.200
RDT&E Articles Quantity	0.00	0.00	0.00
Merchant Ship (MERSHIP) Systems Development - Investigate advanced development and industry proven technologies/systems for application to Strategic Sealift fleet.			
FY12 - Initiate tasks to study potential commercial ship modifications to enhance sealift capabilities. Conduct analysis and concept development.			
FY13 - Conduct analysis and concept development of advanced MERSHIP enhancements to fulfill DOD missions.			
	FY 2011	FY 2012	FY 2013
Shipboard Crane Systems/Shipboard Cargo Systems	4.201	4.841	3.300
RDT&E Articles Quantity	0.00	0.00	0.00
Shipboard Crane Systems/Shipboard Cargo Systems - Shipboard crane and cargo systems at-sea operations capability development/testing/demonstration.			
FY11 - Continued support of ONR Large Vessel Interface/Lift-on/Lift-off (LVI Lo/Lo) crane development. Continue investigation and demonstration of shipboard crane and cargo system improvements.			
FY12 - Investigation and demonstration of shipboard crane/cargo systems improvements.			
FY13 - Investigation and demonstration of shipboard crane/cargo systems improvements.			
	FY 2011	FY 2012	FY 2013
Sealift Concept Development	0.285	0.750	0.640
RDT&E Articles Quantity	0.00	0.00	0.00
Sealift Concept Development - Develop Sealift and system concepts for future sealift missions, advanced strategic mobility concepts, sealift logistics modeling and analysis.			
Concept development includes future naval capabilities exploration via small business innovative technology development, tracking navy-wide R&D programs and benchmarking of best industry practices and capabilities to enhance future DOD Sealift.			
FY11 - Provided Analysis and Modeling support, Advanced Planning, and Sealift Research. Funding reduced to support shipboard crane development.			
FY12 - Continue providing Analysis and Modeling support, Advanced Planning, Sealift Research, and Technology development and program guidance.			
FY13 - Continue providing Analysis and Modeling support, Advanced Planning, Sealift Research, and Technology development and program guidance.			

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)			DATE February 2012	
APPROPRIATION/BUDGET ACTIVITY RDTEN/BA 4	PROGRAM ELEMENT NUMBER AND NAME 0408042N/ NATIONAL DEFENSE SEALIFT FUND	PROJECT NUMBER AND NAME 3116/Strategic Sealift Research & Development		
	FY 2011	FY 2012	FY 2013	
Lighter/HSV Seabase to Shore Cargo Transfer	0.225	0.600	2.037	
RDT&E Articles Quantity	0.00	0.00	0.00	
<p>Lighter/High Speed Vessel (HSV) to Shore Cargo Transfer-Investigate and develop technologies and systems to provide an easily transportable and deployable capability to transfer vehicles and International Standards Organization (ISO) containers from lighterage and high speed vessels across the surf zone to a beach or to a pier in a harbor.</p> <p>FY11-Transition ongoing Small Business Innovation Research (SBIR) and ONR FNC efforts and initiate analysis efforts.</p> <p>FY12 - Continue transitions and development and test of transfer and interface systems for cargo movement ashore.</p> <p>FY13 - Continue transitions and development and test of transfer and interface systems for cargo movement ashore.</p>				
	FY 2011	FY 2012	FY 2013	
Energy Cost Reduction/Simulation Tools	0.600	0.000	0.000	
RDT&E Articles Quantity	0.00	0.00	0.00	
<p>Energy Cost Reduction - Develop, test and field COTS technologies that reduce the total cost of operation of Strategic Sealift Ships. Technologies include more efficient propulsion, auxiliary, measurement, reporting, and mission specific equipment design and operation.</p> <p>FY11 - Developed and model tested ship application of contra-rotating propeller system for fuel efficiency. Continued multi-hull analysis tool development. \$1M realigned for transition of ONR crane technology.</p> <p>FY12 - Suspended work on this line.</p> <p>FY13 - Suspend work on this line.</p> <p>C. OTHER PROGRAM FUNDING SUMMARY: Not applicable for SEALIFT R&D efforts. U) Related RDT&E: Not Applicable</p> <p>D. ACQUISITION STRATEGY: Not applicable for SEALIFT R&D efforts.</p> <p>E. PERFORMANCE METRICS: None</p>				

UNCLASSIFIED

EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS									DATE			
									February 2012			
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME					
RD TEN/BA 4		0408042N/ NATIONAL DEFENSE SEALIFT FUND					3116/Strategic Sealift Research & Development					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost (\$000)	FY 2011 Cost (\$000)	FY 2011 Award Date	FY 2012 Cost (\$000)	FY 2012 Award Date	FY 2013 Cost (\$000)	FY 2013 Award Date	Cost to Complete (\$000)	Total Cost (\$000)	Target Value of Contract
Sealift Concept Development	WX	NAVFAC, Wash DC; CSC/ Subcontractors-Wash DC; NSWCCD	8.440	0.285	MAY-11	0.750	JAN-12	0.640	JAN-13	CONT	CONT	0.000
Shipboard Crane Systems	WX	NSWCCD, CSC-Wash DC	8.260	4.201	MAY-11	4.841	JAN-12	3.300	JAN-13	CONT	CONT	0.000
Lighter/HSV to Shore Cargo Transfer	WX	NSWCCD, CSC-Wash DC	0.112	0.225	MAY-11	0.600	JAN-12	2.037	JAN-13	CONT	CONT	0.000
Energy Cost Reduction	WX	NSWCCD, CSC-Wash DC	1.550	0.600	MAY-11	0.000		0.000		CONT	CONT	0.000
MERSHIP Systems Development	WX	CSC/Subcontractor-Wash DC	0.025	0.000	MAY-11	0.270	JAN-12	0.200	JAN-13	CONT	CONT	0.000
Subtotal Product Development			18.387	5.311		6.461		6.177		0.000	CONT	0.000
Remarks:												
Subtotal Support Costs			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
Subtotal Test and Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
Subtotal Management Services			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
Total Cost			18.387	5.311		6.461		6.177		0.000	CONT	0.000

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE		
					February 2012		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 4	PROGRAM ELEMENT NUMBER AND NAME 0408042N/NATIONAL DEFENSE SEALIFT FUND				PROJECT NUMBER AND NAME 3117/Naval Operational Logistics Integration		
COST (In Millions)	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Project Cost	14.734	24.145	18.187	25.304	19.828	21.233	21.652
RDT&E Articles Qty	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<p>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</p> <p>Naval Operational Logistics Integration (OPLOG) (3117) - Develops enabling technologies for future and in-service afloat operational logistics and integrated supply systems; defines integrated combat logistics force and combatant logistics requirements; and conducts cooperative initiatives with acquisition programs, program sponsors, engineering managers, the Navy science and technology community and Fleet customers. OPLOG develops integrated, cross-platform (i.e. applicable to more than one ship class/type) operational logistics technologies and capabilities as well as draft acquisition and operations policy ensuring future Naval systems leverage emerging logistic capabilities and technologies to provide cost effective and energy efficient logistics delivery.</p> <p>This project provides a foundation for the transition of science & technology initiatives, such as the Office of Naval Research (ONR) Power & Energy Future Naval Capabilities (FNC), Enterprise and Platform Enablers FNC, Seabasing FNC and other enabling government, industry and academia concepts to the acquisition community. Technology development is necessary to mitigate technological and operational risk before ship acquisition programs accept new technologies. This project resources continued research and development of appropriate technologies with applicability to multiple acquisition programs and defines and matures performance and interface requirements for those technologies. The operational logistics family of systems touches all aspects of Seapower 21 yet logistics capability and system interfaces are typically left to individual acquisition programs to develop and resolve. This project continues to identify, develop, integrate, demonstrate and transition logistics technologies to improve the cost effectiveness of Fleet at sea logistics delivery through outreach, coordination and collaboration with industry, academia, Fleet and Enterprise representatives.</p> <p>This project will develop improved shipboard replenishment, transfer, and handling systems and components as well as asset visibility and standardized packaging technologies. This project will include development of approaches to support Service goals for reduced energy consumption by the logistics fleet. This integrated suite of capabilities will enable multiple ship types to leverage technologies common across DoD (Joint) and commercial transportation networks and provide a more affordable, energy efficient, mission capable force. This capabilities and system-of-systems approach will be applied to concept development of future auxiliary force architectures.</p>							

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION			DATE
			February 2012
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME	
RDTEN/BA 4	0408042N/ NATIONAL DEFENSE SEALIFT FUND	3117/Naval Operational Logistics Integration	
B. ACCOMPLISHMENTS/PLANNED PROGRAM:			
	FY 2011	FY 2012	FY 2013
Advanced Replenishment Systems	4.610	6.500	5.800
RDT&E Articles Quantity	0.00	0.00	0.00
Advanced Replenishment Systems: Develop integrated shipboard underway replenishment (UNREP) concepts and systems that provide improved refueling and resupply capability across all Navy ship types and sizes; facilitating emerging missions including Seabasing, Heavy UNREP (HU), small combatant UNREP, electric Standard Tension Replenishment Alongside Method (STREAM) for T-AO(X), interface definition and system/component interoperability.			
FY11 - Completed land-based installation of HU prototype and prepare for installation, test and evaluation of at sea prototype. Developed plan for insertion of lessons learned from land-based and shipboard operation and testing of prototype HU installations into future HU installations. Completed heavy UNREP training plan for fleet. Demonstrated wireless ranging and communication device. Developed electric STREAM specifications and preliminary design on a schedule to support T-AO(X) construction.			
FY12 - Develop electric STREAM interface requirements and completed system detail design. Start electric STREAM technical data package and prototype equipment fabrication. Transition infrared wireless phone and distance line replacement to the Fleet. Vertical Launch System (VLS) at sea rearmament study. Develop early stage integration plans for heavy UNREP aboard T-AKE.			
FY13 - Start prototype electric STREAM equipment land based installation and testing. Develop contracting approach and plan to support installation of electric STREAM equipment aboard T-AO(X) as part of new construction. Coordinate schedule with T-AO(X) acquisition office. Coordinate heavy UNREP procurement to support Joint Strike Fighter (JSF) IOC. Perform early stage VLS at sea rearm integration analyses.			
	FY 2011	FY 2012	FY 2013
Standard Packaging Interfaces & Technologies	0.490	0.400	0.290
RDT&E Articles Quantity	0.00	0.00	0.00
Standard Packaging Interfaces & Technologies: Develop standardized, integrated packaging and containerization solutions consistent with improved replenishment systems, asset visibility and tracking systems and improved shipboard material handling architectures. Leverage and expand current inter-modal (ISO) and legacy / emerging DOD material handling architectures such as the Joint ModularIntermodaal Container (JMIC) and Joint Modular Intermodal Distribution System (JMIDS). Coordinate with JSF Joint Program Office (JPO) on packaging for at sea sustainment of JSF.			
FY11 - Developed draft implementation policy updates for standardized packaging and coordinate with Fleet and Sponsors. Completed data package for JMIC and lightweight standardized packaging. Transitioned JMIC deck interface to USMC for vehicle integration. Worked with JSF JPO on shipboard packaging requirements related to JSF support in the fleet.			
FY12 - Evaluate commercial standardized packaging alternatives for applicability to Fleet operations, coordinated analyses with Enterprises. Support development of NATO Standard for JMIC.			
FY13 - Draft standardized packaging information for use by acquisition offices so new packaging is compatible with Navy at sea material movement and coordinated with OPNAV and Defense Packaging Board.			

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)			DATE	
			February 2012	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME		
RDTEN/BA 4	0408042N/ NATIONAL DEFENSE SEALIFT FUND	3117/Naval Operational Logistics Integration		
		FY 2011	FY 2012	FY 2013
Asset Visibility and Planning		0.459	0.450	0.400
RDT&E Articles Quantity		0.00	0.00	0.00
Asset Visibility and Planning: Integrate asset information management systems with emerging logistics architectures to improve asset visibility throughout the DoN logistics cycle, focusing on shipboard applications and integration. Incorporate open architectures and standards-based technologies into ship platforms to comply with DoD Radio Frequency Identification (RFID) policy and shipboard certification requirements regarding emitting technologies.				
FY11 - Coordinated planning for implementation of approaches and technologies identified for fleet implementation. Continued coordination of development and testing of automated identification technologies with ordnance, NAVSUP, technical warrant and Military Sealift Command communities for cost effective at sea materiel distribution and tracking.				
FY12 - Perform assessments of shipboard RFID/Tracking technologies for ordnance and other classes of material. Perform shipboard integration evaluations of RFID and 2D barcodes for improved logistics system visibility and materiel tracking.				
FY13 - Evaluate reliability and effectiveness of current and proposed AIT solutions to reduce man hours associated with transfer, receipt and inventory of ordnance and other materiel. Coordinate with MSC to demonstrate reliability of new AIT for and ability to reduce manual work while improving inventory accuracy and tracking.				
		FY 2011	FY 2012	FY 2013
Logistics Architectures		1.451	0.750	0.660
RDT&E Articles Quantity		0.00	0.00	0.00
Logistics Architectures: Develop comprehensive, integrated afloat supply system architectures considering operational, system, and technical requirements and initiatives. Define system performance and interface requirements; draft future operational logistics capability acquisition guidelines and develop cost-versus-capability analyses for affordable, efficient technology development. Conduct concept assessment and integration studies examining OPLOG and other-funded technology development efforts (e.g.: Office of Naval Research (ONR) Seabasing Future Naval Capabilities (FNC) Science and Technology (S&T) funded technologies. Solicit proposals for improved and cost effective and energy efficient logistics delivery.				
FY11 - Continued transition of products from previous broad agency announcements for logistics technologies and energy saving approaches. Coordinated application and demonstration of energy saving technologies and approaches with MSC. Supported transition of appropriate FNC projects to RDT&E budgets based on program transition opportunities and acquisition.				
FY12 - Develop and integrate technologies to reduce Combat Logistics Force (CLF) Total Ownership Costs (TOC). Goals included manpower reduction, reduction of maintenance and increasing service life.				
FY13 - Develop and exercise logistics Fleet tools and analyses for cost effective deployment and operations. Prototype and demonstrate total ownership cost reduction approaches for CLF ships and coordinate transition to MSC as appropriate.				

UNCLASSIFIED

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)			DATE	
			February 2012	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME		PROJECT NUMBER AND NAME	
RD TEN/BA 4	0408042N/ NATIONAL DEFENSE SEALIFT FUND		3117/Naval Operational Logistics Integration	
	FY 2011		FY 2012	FY 2013
Integrated Naval Logistics	0.400		0.300	0.250
RDT&E Articles Quantity	0.00		0.00	0.00
Integrated Naval Logistics: Coordinate OPLOG technology development efforts with Navy and US Marine Corps Naval Logistics Integration (NLI) initiatives aligning Navy and Marine Corps logistics systems and processes for Sea Based operations. Future Year NLI project(s) approved by flag-level NLI senior board.				
FY11 - Completed JMIC technical data package for use by Marines and other services through transition to Army procurement management.				
FY12 - Coordinate with Green Champions on Seabasing operations and improving effectiveness of selective offload, custom palletization and afloat asset visibility.				
FY13 - Coordinate with NLI projects related to shipboard materiel packaging, movement and visibility. Funding increased from rephasing of T-ATS(X).				
	FY 2011		FY 2012	FY 2013
Shipboard Material Transport	0.600		0.850	0.322
RDT&E Articles Quantity	0.00		0.00	0.00
Shipboard Material Transport: Develop improved shipboard equipment for vertical and horizontal material movement and subsequent stowage. Incorporate standardized containerization initiatives and future shipboard configurations/architectures and develop legacy (back-fit) capabilities as applicable. Transition ongoing Science and Technology (S&T), and other appropriate initiatives into the acquisition community with focused technology demonstration(s) and operational test and evaluation.				
FY11 - Observed and reviewed results from High Rate Horizontal Vertical Material Movement proof of principle demonstrator at sea testing for potential cost and manpower reductions in at sea logistics movement. Performed market survey of materiel handling equipment capable of moving large heavy boxes (i.e. JSF engine power module) on CLF ships and estimated time and cost to procure.				
FY12 - Analyze approaches for improving existing Strike-Up Strike-Down approaches to improve through put, reduce maintenance, improve safety and support reduced manning. Evaluate materiel movement and packing methods for high volume seabasing operations with existing manning. Continue analysis of heavy container movement aboard CLF to support JSF.				
FY13 - Develop approaches for CLF equipment TOC reductions and coordinate implementation plans with MSC.				
	FY 2011		FY 2012	FY 2013
Ship Concept Development	2.000		2.000	3.000
RDT&E Articles Quantity	0.00		0.00	0.00
Ship Concept Development for future common hull form tug and salvage capability.				
FY11 - Continued development of early stage tool and design development in support of common hull replacement for T-ATF and T-ARS, including ongoing analyses of required capabilities and number of ships. Continued development of Capability Development Document (CDD) and acquisition documentation for Milestone A.				

UNCLASSIFIED

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)			DATE
			February 2012
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME	
RDTEN/BA 4	0408042N/ NATIONAL DEFENSE SEALIFT FUND	3117/Naval Operational Logistics Integration	
FY12 - Continue development of early stage tool and design development in support of common hull replacement for T-ATF and T-ARS, including ongoing analyses of required capabilities and number of ships. Funding decreased due to schedule change.			
FY13 - Continue development of Procurement Request (PR), Statement of Work (SOW), Contract Data Requirements List (CDRL), and specifications in preparation for FY14 Phase I award to multiple bidders for Preliminary/Contract Design.			
	FY 2011	FY 2012	FY 2013
Shipboard Energy Conservation	4.724	12.895	7.465
RDT&E Articles Quantity	0.00	0.00	0.00
In coordination with MSC Energy Conservation Office prepare, update and execute energy management plans for MSC vessels including selection and insertion of sensors to support shipboard energy audits and validation of energy savings from energy conservation projects. Model ship energy use to project savings from new concepts. Identify and evaluate new approaches for fuel savings in ship operations, execute prototype technology insertions for savings verification and transition successful solutions to MSC for fleet upgrades.			
FY11 - Continued to transition energy initiatives and projects to the MSC. Conducted studies to explore the potential for energy reduction of new technology solutions. Managed energy initiative data through a seamless architecture that allows tracking project energy savings. Continued to transition products from previous Broad Agency Announcements (BAA) for new technologies and savings. Initiated new call for energy saving or carbon footprint reducing technologies. Collaborated with other Navy programs to share information on savings approaches.			
FY12 - Manage and update the Energy Management Plan Cycle and Process to continually inject new Doctrine Organization Training Material Leadership Personnel Facilities (DOTMLPF) solutions. Continue to transition products from previously BAA for new technologies and savings. Developed and captured new energy reduction requirements from MSC to focus energy reduction activities. Continue to coordinate the transition of technology to produce shipboard savings, collaboration between ships, doctrinal updates, new training techniques, and performance measurement. Prototype installations from FY11 BAA technology evaluations. Accelerated implementation with funding from rephased ship concept development effort.			
FY13 - Continuous process improvement on Energy Management Plan. Evaluation of new potential energy savings alternatives from BAA, fleet and shipboard energy audits and update investment portfolio to achieve energy savings to match planned fuel funding. Continue accelerated shipboard energy audits to build database of ship energy profiles and verify savings. Continue coordination with other Navy energy programs to share information and apply successful savings approaches. Continue transition of successful savings approaches to MSC.			

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)		DATE February 2012
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 4	PROGRAM ELEMENT NUMBER AND NAME 0408042N/ NATIONAL DEFENSE SEALIFT FUND	PROJECT NUMBER AND NAME 3117/Naval Operational Logistics Integration
<p>C. OTHER PROGRAM FUNDING SUMMARY: Not Applicable (U) Related RDT&E: Not Applicable</p> <p>D. ACQUISITION STRATEGY: Not applicable for OPLOG R&D efforts.</p> <p>E. PERFORMANCE METRICS: None</p>		

UNCLASSIFIED

EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS									DATE February 2012			
APPROPRIATION/BUDGET ACTIVITY RDTEN/BA 4		PROGRAM ELEMENT NUMBER AND NAME 0408042N/ NATIONAL DEFENSE SEALIFT FUND					PROJECT NUMBER AND NAME 3117/Naval Operational Logistics Integration					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost (\$000)	FY 2011 Cost (\$000)	FY 2011 Award Date	FY 2012 Cost (\$000)	FY 2012 Award Date	FY 2013 Cost (\$000)	FY 2013 Award Date	Cost to Complete (\$000)	Total Cost (\$000)	Target Value of Contract
Primary Hardware Development	WX	Oldenburg Inc., Alion-JJMA, Sys, Markey Inc., DAK, Others	17.937	3.504	JAN-11	3.834	JAN-12	7.500	JAN-13	CONT	CONT	0.000
Ancillary Hardware Development	WX	AMSEC LLC, Markey, Rockwell Intl, Alion, SAIC, Alien Technologies	9.886	1.090	JAN-11	3.200	JAN-12	4.812	JAN-13	CONT	CONT	0.000
Ship Integration	WX & RX	NSWC Carderock, Dahlgren, Port Hueneme; Oldenburg, Alion-JJMA, MSC, CSC	7.544	1.197	JAN-11	2.200	JAN-12	0.150	JAN-13	CONT	CONT	0.000
Ship Suitability	WX & RX	NSWC Carderock, SPAWAR Charleston, Panama City, MSC, CSC, NSWC Dahlgren	1.835	0.963	JAN-11	1.339	JAN-12	1.000	JAN-13	CONT	CONT	0.000
Systems Engineering	WX & RX	NSWC Carderock, Port Hueneme; Oldenburg, Alion, SAIC, SYS, AMSEC, MSC, CSC	11.849	1.380	JAN-11	2.600	JAN-12	0.600	JAN-13	CONT	CONT	0.000
Subtotal Product Development			49.051	8.134		13.173		14.062		CONT	CONT	0.000
Remarks:												
Development Support	WX	NSWCDD	8.220	1.000	JAN-11	2.572	JAN-12	1.000	JAN-13	CONT	CONT	0.000
Software Development	WX	NSWCDD	0.953	0.250	JAN-11	1.100	JAN-12	0.000	JAN-13	CONT	CONT	0.000
Integrated Logistics Support	WX	NSWCDD	0.458	0.300	JAN-11	0.300	JAN-12	0.100	JAN-13	CONT	CONT	0.000
Configuration Management	WX	NSWCDD	0.641	0.400	JAN-11	0.500	JAN-12	0.220	JAN-13	CONT	CONT	0.000
Technical Data	WX & RX	NSWC Port Hueneme; Alion, SAIC, Markey	3.683	0.550	JAN-11	0.800	JAN-12	0.000	JAN-13	CONT	CONT	0.000
Studies & Analyses	WX & RX	NSWCDD, NPS	3.035	0.400	JAN-11	0.500	JAN-12	0.065	JAN-13	CONT	CONT	0.000
Subtotal Support Costs			16.990	2.900		5.772		1.385		CONT	CONT	0.000
Remarks:												
Developmental Test & Evaluation	WX	SYS, Markey, Alion	2.078	0.750	JAN-11	0.550	JAN-12	0.600	JAN-13	CONT	CONT	0.000
Operational Test & Evaluation	WX	Oldenburg, Alion, SAIC, MSC,	3.507	0.750	JAN-11	1.500	JAN-12	0.960	JAN-13	CONT	CONT	0.000
Subtotal Test and Evaluation			5.585	1.500		2.050		1.560		0.000	CONT	0.000
Remarks:												
Contractor Engineering Support	WX	NSWCDD	8.370	1.200	JAN-11	2.000	JAN-12	0.980	JAN-13	CONT	CONT	0.000
Government Engineering Support	WX & RX	NSWC Carderock, Dahlgren, Port Hueneme, Indian Head, MSC	1.931	1.000	JAN-11	1.150	JAN-12	0.200	JAN-13	CONT	CONT	0.000
Subtotal Management Services			10.301	2.200		3.150		1.180		0.000	CONT	0.000
Remarks:												
Total Cost			81.927	14.734		24.145		18.187		0.000	CONT	0.000

UNCLASSIFIED

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE February 2012		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 4	PROGRAM ELEMENT NUMBER AND NAME 0408042N/NATIONAL DEFENSE SEALIFT FUND				PROJECT NUMBER AND NAME 3417/Future Combat Logistics Force Development		
COST (In Millions)	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Project Cost	4.490	12.909	8.983	11.083	8.776	0.000	0.000
RDT&E Articles Qty	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Future Combat Logistics Force Development (3417) - Develop concept studies, ship design, and trade off studies in support of 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(X) will operate as a shuttle ship 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.							

EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION							DATE February 2012			
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 4		PROGRAM ELEMENT NUMBER AND NAME 0408042N/ NATIONAL DEFENSE SEALIFT FUND			PROJECT NUMBER AND NAME 3417/Future Combat Logistics Force Development					
B. ACCOMPLISHMENTS/PLANNED PROGRAM:										
		FY 2011		FY 2012		FY 2013				
Engineering and Acquisition Support		4.490		12.909		8.983				
RDT&E Articles Quantity		0.00		0.00		0.00				
<p>Engineering and Acquisition Support: Acquisition support including acquisition requirements definition, strategy development and support for milestone documentation. Engineering support including concept studies, engineering studies, major system tradeoffs and validation of requirements in support of the Analysis of Alternatives (AoA) and preliminary design studies.</p> <p>FY11 - Developed documentation in support of the Material Development Decision (MDD). Conducted Analysis of Alternatives (AoA). Tasks included the review and development of operational requirements, trade space requirements and analysis approach. Provided engineering support for development of concepts and collection of platform characteristics and requirements in support of the AoA. Initiated the development of the Acquisition Strategy, Systems Engineering Plan (SEP), Test and Evaluation Strategy (TES), and other documents in support of Milestone A. Initiated development of the Systems Specification and the Industry Studies Request for Proposal (RFP). Coordinated efforts with NAVSEA, MSC, CNA, PEO Ships and Fleet.</p> <p>FY12 - Continue development and initiate staffing and approval of Acquisition Strategy, SEP, TES, and other documents in support of Milestone A. Continue the development of the Systems Specification and Industry Studies RFP. Provide engineering support required for T-AO(X) design process and validation of requirements. Develop documentation in support of Gates 2 and 3. Coordinate efforts with NAVSEA, MSC, CNA, PEO Ships and Fleet.</p> <p>FY13 - Issue Industry Studies RFP, conduct source selection and award Industry Studies contracts. Provide engineering support required for T-AO(X) design process validation of requirements and oversight of Industry Studies contracts. Support development and staffing of Pre-Engineering Manufacturing Development (EMD) documents. Support update of the Systems Specification and development of the Detail Design and Construction (DD&C) RFP. Coordinate efforts with NAVSEA, MSC, CNA, PEO Ships and Fleet.</p>										
C. OTHER PROGRAM FUNDING SUMMARY:										
Line Item No. and Name		FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	To Complete	Total Cost
NDSF/BLI: 0160 T-AO(X) PROCUREMENT		0.000	0.000	0.000	0.000	0.000	694.000	0.000	0.000	694.000
D. ACQUISITION STRATEGY:										
The first Fleet Oiler will be awarded in FY16. Fleet oilers will comply with the Oil Pollution Act of 1990 (OPA-90) and International Marine Pollution Regulation (MARPOL) requirements.										
E. PERFORMANCE METRICS:										
None										

UNCLASSIFIED

EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS									DATE			
									February 2012			
APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT NUMBER AND NAME					PROJECT NUMBER AND NAME					
RD TEN/BA 4		0408042N/ NATIONAL DEFENSE SEALIFT FUND					3417/Future Combat Logistics Force Development					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost (\$000)	FY 2011 Cost (\$000)	FY 2011 Award Date	FY 2012 Cost (\$000)	FY 2012 Award Date	FY 2013 Cost (\$000)	FY 2013 Award Date	Cost to Complete (\$000)	Total Cost (\$000)	Target Value of Contract
Engineering Integration and Design	WX	SPAWAR, Charleston	0.000	0.250	FEB-11	0.300	NOV-11	0.300	DEC-12	0.700	1.550	0.000
Engineering Integration and Design	WX	NSWC, Carderock	0.000	0.500	JAN-11	0.400	JAN-12	0.400	DEC-12	0.800	2.100	0.000
Engineering Integration and Design	WX	NSWC, Port Hueneme	0.000	0.000		0.250	JAN-12	0.250	DEC-12	0.400	0.900	0.000
Engineering Integration and Design	WX	NAVAIR, Patuxent River	0.000	0.000		0.350	NOV-11	0.300	DEC-12	0.400	1.050	0.000
Engineering Integration and Design	MAC	CSC, DC	0.000	0.700	DEC-10	0.700	MAR-12	0.700	DEC-12	1.500	3.600	0.000
Engineering Integration and Design	MAC	Alion, DC	0.000	1.100	FEB-11	0.900	MAR-12	0.900	DEC-12	1.500	4.400	0.000
Engineering System Spec Development	MAC	Alion, DC	0.000	0.440	FEB-11	0.309	MAR-12	0.383	DEC-12	0.459	1.591	0.000
Design Concepts/TOC/Trade Off Studies	Various	Various	0.000	0.000		4.900	SEP-12	1.100	OCT-12	3.000	9.000	0.000
Analysis of Alternatives	WX	Center of Naval Analysis, VA	0.000	1.000	JAN-11	0.000		0.000			1.000	0.000
SEALIFT	MAC	TBD	0.000	0.000		1.000	APR-12	0.000			1.000	0.000
Subtotal Product Development			0.000	3.990		9.109		4.333		8.759	26.191	0.000
Remarks:												
Integrated Logistics, Risk Mngmt, RFP Dev.	MAC	Alion, DC	0.000	0.000		0.900	JAN-12	0.700	DEC-12	0.900	2.500	0.000
Milestone A/B & EMD Documentation Support	MAC	Alion, DC	0.000	0.000		0.700	JAN-12	0.700	DEC-12	1.700	3.100	0.000
Milestone A/B & EMD Documentation Support	MAC	CSC, DC	0.000	0.000		0.500	JAN-12	0.500	DEC-12	1.700	2.700	0.000
Subtotal Support Costs			0.000	0.000		2.100		1.900		4.300	8.300	0.000
Remarks:												
Development Test & Evaluation	WX	NSWC, Carderock	0.000	0.000		0.100	JAN-12	0.400	DEC-12	0.900	1.400	0.000
Operational Test & Evaluation	WX	NSWC, Carderock	0.000	0.000		0.050	JAN-12	0.300	DEC-12	0.400	0.750	0.000
Live Fire Test & Evaluation	WX	NSWC, Carderock	0.000	0.000		0.050	JAN-12	0.700	DEC-12	2.800	3.550	0.000
Subtotal Test and Evaluation			0.000	0.000		0.200		1.400		4.100	5.700	0.000
Remarks:												
Develop Requirements Documents	MAC	CSC, DC	0.000	0.200	DEC-10	0.600	JAN-12	0.000		0.000	0.800	0.000
Source Selection	WX	NSWC, Carderock	0.000	0.200	JAN-11	0.000		0.450	DEC-12	0.600	1.250	0.000
Program Management Support	MAC	Alion, DC	0.000	0.100	FEB-11	0.500	JAN-12	0.600	DEC-12	1.300	2.500	0.000
Program Management Support	MAC	CSC, DC	0.000	0.000		0.400	JAN-12	0.300	DEC-12	0.800	1.500	0.000

UNCLASSIFIED

EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS										DATE February 2012		
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 4		PROGRAM ELEMENT NUMBER AND NAME 0408042N/ NATIONAL DEFENSE SEALIFT FUND					PROJECT NUMBER AND NAME 3417/Future Combat Logistics Force Development					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost (\$000)	FY 2011 Cost (\$000)	FY 2011 Award Date	FY 2012 Cost (\$000)	FY 2012 Award Date	FY 2013 Cost (\$000)	FY 2013 Award Date	Cost to Complete (\$000)	Total Cost (\$000)	Target Value of Contract
Subtotal Management Services			0.000	0.500		1.500		1.350		2.700	6.050	0.000
Remarks:												
Total Cost			0.000	4.490		12.909		8.983		19.859	46.241	0.000

EXHIBIT R-4, SCHEDULE PROFILE						DATE February 2012	
APPROPRIATION/BUDGET ACTIVITY RD TEN/BA 4		PROGRAM ELEMENT NUMBER AND NAME 0408042N/NATIONAL DEFENSE SEALIFT FUND			PROJECT NUMBER AND NAME 3417/Future Combat Logistics Force Development		
T-AO(X) Program							
Fiscal Year	FY11	FY12	FY13	FY14	FY15	FY16	FY17
Milestones T-AO(X) MDD T-AO(X) GATE 2 T-AO(X) GATE 3 T-AO(X) MS A PRE-EMD REVIEW DOCUMENTATION DEVELOPMENT T-AO(X) INDUSTRY STUDIES AWARD T-AO(X) GATE 4/5 PRE-EMD REVIEW T-AO(X) MS B DOCUMENTATION DEVELOPMENT T-AO(X) PRELIMINARY SURVIVABILITY REPORT FOR LFT&E EVALUATE T-AO(X) DD&C PROPOSALS MILESTONE B T-AO(X) 1601 DD&C AWARD	△ MDD	△ GATE 2 △ GATE 3	△ MS A △ Documentation	△ Industry Studies Award △ GATE 4/5 △ Review △ Documentation	△ Surv Rpt △ Evaluate Proposals △ MS B △ 1601 DD&C Award		

UNCLASSIFIED

EXHIBIT R-4a, SCHEDULE DETAIL					DATE February 2012		
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME			PROJECT NUMBER AND NAME			
RD TEN/BA 4	0408042N/NATIONAL DEFENSE SEALIFT FUND			3417/Future Combat Logistics Force Development			
Schedule Profile	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
MILESTONES							
T-AO(X) MDD	2Q						
T-AO(X) GATE 2		2Q					
T-AO(X) GATE 3		3Q					
T-AO(X) MS A			1Q				
PRE-EMD REVIEW DOCUMENTATION DEVELOPMENT			1Q	2Q			
T-AO(X) INDUSTRY STUDIES AWARD			3Q				
PRE-EMD REVIEW				3Q			
T-AO(X) GATE 4/5				3Q			
T-AO(X) MS B DOCUMENTATION DEVELOPMENT				3Q	4Q		
T-AO(X) PRELIMINARY SURVIVABILITY REPORT FOR LFT&E					1Q	1Q	
EVALUATE T-AO(X) DD&C PROPOSALS					3Q-4Q		
MILESTONE B						1Q	
T-AO(X) 1601 DD&C AWARD						1Q	
SHIP DELIVERIES - NONE DURING THIS PERIOD							

UNCLASSIFIED

NATIONAL DEFENSE SEALIFT FUND
Exhibit P-40
FY 2013 PRESIDENT'S BUDGET SUBMISSION
Ready Reserve Force (RRF)
(\$M)

FEBRUARY 2012
BA 05
BLI 0500

<u>RRF/NDRF</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>
TOTAL RRF	332.1	309.3	303.3
Cong. Add: MARAD Ship Fin. Guarantee Program	40.0		
TOTAL BA-5	372.1	309.3	303.3

Justification:

The RRF Budget is based upon the conclusions of the 2005 Mobility Capabilities Requirements 2016 Study (MCRS) and subsequent requirements review and determination by Navy and USTRANSCOM. The current funding levels are expected to support readiness and allow the ships to activate in time to deliver cargo to a given area of operations and satisfy Combatant Commanders' critical war fighting requirements.

The submission continues the Surface Deployment and Distribution Command (SDDC)/USTRANSCOM capability enhancements for specified RRF ships by funding two remaining ramps, funding some increments of Extended Service Life (ESL) program for aging RRF priority ships, and funding Outyear Engineering Requirements Assessments (OERA) for eight FSS vessels (beginning in FY 2012). The budget supports construction of the Beaumont Layberth Facility (BLF) located within the Maritime Administration (MARAD) fleet site in Beaumont TX, during FY 2010 - FY 2011. The BLF is a government-owned facility built to hurricane level standards, which will berth up to eight of the largest government sealift vessels and provide cost efficiencies to the sealift program over the long term. With completion of the BLF, annual berthing savings are reflected for both MARAD and MSC programs beginning in FY 2012.

FY 2011 Congressional Add of \$40M for MARAD Ship Financing Guarantee Program. The Secretary of the Navy is to work in conjunction with the Maritime Administrator to ensure this funding is used for the loan guarantee program established under Chapter 537 of Title 46, United States Code.

Narrative Explanation of Program Changes:

Between FY 2011 and FY 2012, the BA-05 total change is a net decrease of \$62.8M. There is a program decrease for Title XI funds of \$40M. The remaining change is a net decrease of \$22.8M. Programmatic change between FY 2011 and FY 2012 is a net decrease of \$27.0M. A decrease of \$35.8M is for the completion of the BLF construction. Other program decreases include NDRF/Security costs (\$-2.4M) and SDDC enhancements (\$-2.2M). There are program increases that reflect the cyclical nature of RRF ship maintenance availabilities (+\$6.4M) as well as an increase to Expected Service Life (ESL) maintenance (+\$7.0M) ensuring ships' useful life. The total pricing change from FY 2011 to FY 2012 is a \$4.2M increase due to inflation (\$5.6M) and a decrease for savings associated with using the upgraded BLF vice commercial layberth (\$-0.9M) and decrease resulting from a rate change (\$-0.5M).

NATIONAL DEFENSE SEALIFT FUND
Exhibit P-40
FY 2013 PRESIDENT'S BUDGET SUBMISSION
Ready Reserve Force (RRF)
(\$M)

FEBRUARY 2012
BA 05
BLI 0500

Narrative Explanation of Program Changes (continued):

FY 2012 and FY 2013, the BA-05 total change is a net decrease of \$6.0M. Programmatic change between FY 2012 and FY 2013 is a net decrease of \$19.7M. Program increases are for increasing Extended Service Life maintenance (ensuring vessels reach full service life of 50/55/60 years)(+\$15.4M) and for the first year of funding for the conversion of one T-5 Tanker into an OPDS tanker (+\$1.5M). Program decreases reflect the retirement of 2 RRF-10 LASH vessels into the NDRF (-\$7.8M), the completion of SDDC enhancement modifications (-\$3.8M), reduced full time equivalents in NDRF/Security efforts (-\$1.4M), and changes to periodic maintenance requirements/phasing (-\$23.6M). Pricing change between FY 2012 and FY 2013 is +\$13.7M.

NATIONAL DEFENSE SEALIFT FUND
Exhibit P-5 SEALIFT COST ANALYSIS
FY 2013 PRESIDENT'S BUDGET SUBMISSION

February 2012
BA 05
BLI 5000

	B. APPROPRIATION: National Defense Sealift Fund		C. ITEM NOMENCLATURE Budget Activity: Ready Reserve Force (RRF) (NDSF BA 5) Budget Line Item: Ready Reserve Force (RRF) (NDSF BLI 0500)			
TOTAL COST IN THOUSANDS OF DOLLARS						
ELEMENT OF COST	FY11		FY12		FY13	
RRF COST CATEGORY	QTY	COST	QTY	COST	QTY	COST
Maintenance & Repair, sea trials, ESL, FSS OERA, & Program support Less JCS Exercise Savings		142,326 (5,000)		159,354 (5,000)		155,786 (5,000)
ROS Crews/SM fees	48	92,019	48	95,479	46	96,530
Outporting	44	26,779	44	23,185	44	23,526
Logistics/IT Program Management		8,468		9,377		9,365
NDRF/Facilities & Security		25,740		23,050		21,653
SDDC/USTC enhancements of RRF		6,000		3,825		-
Beaumont Layberth Facility		35,798		-		-
Convert T5 Tanker to OPDS				-		1,463
Total, RRF Maintenance & Operations		332,130		309,270		303,323
Congressional Add: MARAD Ship Financing Guarantee Program		40,000		-		-
TOTAL, RRF (NDSF BA 5 BLI 0500)	-	372,130	-	309,270	-	303,323

FEBRUARY 2012
BA 05
BLI 0500

FY 2013 PRESIDENT'S BUDGET SUBMISSION
READY RESERVE FORCE - SHIPS BY READINESS CATEGORY

Ship Type	2011	2012	2013
BREAKBULK	<u>1</u>	<u>0</u>	<u>0</u>
ROS-5	0	0	0
PREPO	1	0	0
RO/RO	<u>35</u>	<u>35</u>	<u>35</u>
ROS-5	35	35	35
PREPO	0	0	0
HEAVYLIFT	<u>4</u>	<u>4</u>	<u>2</u>
ROS-5	2	2	2
RRF-10	2	2	0
T-ACS	<u>6</u>	<u>6</u>	<u>6</u>
ROS-5	6	6	6
OPDS-TANKER	<u>1</u>	<u>1</u>	<u>1</u>
RRF-10	1	1	1
PREPO	0	0	0
T-AVB	<u>2</u>	<u>2</u>	<u>2</u>
ROS-5	2	2	2
GRAND TOTAL	49	48	46

**INTENTIONALLY
BLANK**