DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2014
BUDGET ESTIMATES

JUSTIFICATION OF ESTIMATES
APRIL 2013

NATIONAL DEFENSE SEALIFT FUND

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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, $730,700,000, 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.

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Department of Defense
FY 2014 President's Budget
Financial Summary
Total Obligational Authority
(Dollars in Thousands)

April 2013

Appropriation Summary	FY 2012 (Base & OCO)	FY 2013 Base Request	FY 2013 OCO Request	Emergency Disaster Relief Act of 2013	FY 2013 Total Request	FY 2014 Base
Department of the Navy						
National Defense Sealift Fund	1,105,136	608,136			608,136	730,700
Total Department of the Navy	1,105,136	608,136			608,136	730,700
Total Operation and Maintenance Title	1,105,136	608,136			608,136	730,700

Department of Defense
FY 2014 President's Budget
Financial Summary
Total Obligational Authority
(Dollars in Thousands)

April 2013

4557N National Defense Sealift Fund	FY 2012 (Base & OCO)	FY 2013 Base Request	FY 2013 OCO Request	Emergency Disaster Relief Act of 2013	FY 2013 Total Request	FY 2014 Base	Sec
TOTAL, BA 01: Construction And Conversion	424,161	77,386			77,386	178,321	
TOTAL, BA 02: Operations, Maintenance And Lease	318,645	184,616			184,616	197,296	
TOTAL, BA 04: Research and Development	48,443	42,811			42,811	56,058	
TOTAL, BA 05: Ready Reserve Forces	313,887	303,323			303,323	299,025	
TOTAL, BA 20: Undistributed							
Total National Defense Sealift Fund	1,105,136	608,136			608,136	730,700	
Details:							
Budget Activity 01: Construction And Conversion							
Strategic Sealift Acquisition							
4557N 020 0401 MPF MLP	400,000	38,000			38,000	134,917	U
4557N 030 5000 Post Delivery and Outfitting	24,161	39,386			39,386	43,404	U
Total Strategic Sealift Acquisition	424,161	77,386			77,386	178,321	
Total, BA 01: Construction And Conversion	424,161	77,386			77,386	178,321	
Budget Activity 02: Operations, Maintenance And Lease							
Mobilization Preparedness							
4557N 040 0200 National Def Sealift Vessel	1,138						U
4557N 050 0220 LG Med Spd Ro/Ro Maintenance	92,567	128,819			128,819	116,784	U
4557N 060 0230 DoD Mobilization Alterations	184,109	26,598			26,598	60,703	U
4557N 070 0250 TAH Maintenance	40,831	29,199			29,199	19,809	U
Total Mobilization Preparedness	318,645	184,616			184,616	197,296	
Total, BA 02: Operations, Maintenance And Lease	318,645	184,616			184,616	197,296	
Budget Activity 04: Research and Development							
Research And Development							
4557N 080 0900 Research And Development	48,443	42,811			42,811	56,058	U
Total Research And Development	48,443	42,811			42,811	56,058	
Total, BA 04: Research and Development	48,443	42,811			42,811	56,058	

Department of Defense
FY 2014 President's Budget
Financial Summary
Total Obligational Authority
(Dollars in Thousands)

April 2013

4557N National Defense Sealift Fund	FY 2012 (Base & OCO)	FY 2013 Base Request	FY 2013 OCO Request	Emergency Disaster Relief Act of 2013	FY 2013 Total Request	FY 2014 Base	Sec
Budget Activity 05: Ready Reserve Forces							
Ready Reserve and Prepositioning Force							
4557N 090 0500 Ready Reserve Force	313,887	303,323			303,323	299,025	U
Total Ready Reserve and Prepositioning Force	313,887	303,323			303,323	299,025	
Total, BA 05: Ready Reserve Forces	313,887	303,323			303,323	299,025	
Budget Activity 20: Undistributed							
Total National Defense Sealift Fund	1,105,136	608,136			608,136	730,700	

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NDSF SUMMARY NARRATIVE
FY 2014 President's Budget Submission
April 2013

The FY 2014 total budget submission for NDSF is $730.7 million.

The request includes $56.0 million for multiple research and development efforts and $43.4 million for the outfitting and post delivery costs associated with the Mobile Landing Platform (MLP).

The submission includes $135.0 million to complete MLP-3 as an Afloat Forward Staging Base (AFSB).

The submission includes $136.6 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 $299.0 million for costs associated with the maintenance of the National Defense Reserve Fleet (NDRF), which includes the Ready Reserve Force (RRF).

The submission includes $60.7 million for DoD Mobilization Alterations which will fund civilian crew modernization efforts for the T-AOE 6 class ships, modifications to former Hawaii Superferries, and Energy Conservation (ENCON) 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).

NDSF INDEX
FY 2014 President's Submission
April 2013

NDSF SUMMARY FINANCIAL DATA
FY 2014 President's Budget Submission
April 2013

TOA ($M)								
	FY 2012	**FY 2013**	**FY 2014**	**FY 2015**	**FY 2016**	**FY 2017**	**FY 2018**	**Total Program**
BA 01: Strategic Ship Acquisition	**424.2**	**77.4**	**178.3**	**17.9**	**710.0**	**216.0**	**702.0**	**1,623.8**
0125: T-ATF	-	-	-	-	-	216.0	108.0	**216.0**
0160: Fleet Oiler Recapitalization	-	-	-	-	694.0	-	594.0	**694.0**
0401: MLP	400.0	38.0	134.9	-	-	-	-	**572.9**
5000: Outfitting and Post Delivery	24.2	39.4	43.4	17.9	16.0	-	-	**140.9**
BA-02: DoD Mobilization Assets	**318.7**	**184.6**	**197.3**	**181.9**	**157.2**	**154.3**	**142.0**	**1,335.9**
0200: National Defense Sealift Vessels	1.1	-	-	-	-	-	-	**1.1**
0220: LMSR Maintenance	92.6	128.8	116.8	106.0	115.8	104.6	104.4	**769.0**
0230: DOD Mobilization Alterations	184.1	26.6	60.7	41.2	17.2	25.6	13.0	**368.4**
0250: T-AH Maintenance	40.8	29.2	19.8	34.7	24.2	24.1	24.6	**197.4**
NDSF BA 04: Sealift Research and Development	**48.3**	**42.8**	**56.1**	**48.3**	**28.4**	**28.3**	**28.8**	**252.2**
0900: Research and Development	48.3	42.8	56.1	48.3	28.4	28.3	28.8	**281.0**
NDSF BA-05: Ready Reserve Force	**313.9**	**303.3**	**299.0**	**293.4**	**300.7**	**320.4**	**326.2**	**2,157.0**
0500: Ready Reserve Force	313.9	303.3	299.0	293.4	300.7	320.4	326.2	**2,157.0**
TOTAL NDSF	**1,105.1**	**608.1**	**730.7**	**541.5**	**1,196.3**	**719.1**	**1,199.0**	**5,368.9**

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET (P-40)

FY 2014 President's Budget

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

National Defense Sealift Fund/BA 1

P-1 LINE ITEM NOMENCLATURE

MPF(F) MLP
BLI: 0401

(Dollars in Millions)	PRIOR YR	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	TO COMP	TOTAL PROG
QUANTITY	2	1	0	0	0	0	0	0	0	3
End Cost	939.7	594.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,534.6
Less Advance Procurement	119.7	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179.7
Less Subsequent Year FF	0.0	134.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	134.9
Plus Subsequent Year FF	0.0	0.0	0.0	134.9	0.0	0.0	0.0	0.0	0.0	134.9
Full Funding TOA	820.0	400.0	0.0	134.9	0.0	0.0	0.0	0.0	0.0	1,354.9
Plus Advance Procurement	179.7	0.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	217.7
Total Obligational Authority	999.7	400.0	38.0	134.9	0.0	0.0	0.0	0.0	0.0	1,572.6
Plus Outfitting / Plus Post Delivery	0.0	6.2	39.4	43.4	17.9	16.0	0.0	0.0	0.0	122.9
Total	999.7	406.2	77.4	178.3	17.9	16.0	0.0	0.0	0.0	1,695.5
Unit Cost (Ave. End Cost)	469.9	594.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	511.5

MISSION:

Maritime Prepositioning Force (MPF) Mobile Landing Platform (MLP)- Principal interface of the organic surface connectors for the 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 has procured the FY12 MLP as an Afloat Forward Staging Base (AFSB) variant. The MLP AFSB variant will serve as the first dedicated naval Afloat Forward Staging Base, optimized to support naval assets in a variety of missions rather than independently modifying ships-of-opportunity as required to meet these roles.

The MLP AFSB Variant retains sealift capabilities inherent to the MLP Class through cargo transportation and distribution, but provides enhanced aviation, berthing, small boat handling, and command and control capabilities to meet a broader mission set. The MLP AFSB Variant provides the Combatant Commanders flexibility to respond to immediate threats and host task organized forces, including Airborne Mine Countermeasures and Special Forces to confront irregular challenges and counter-terrorism. This includes enhanced logistics and UNREP capability (receive only), and C4I capability to support future missions.

USS PONCE was designated as the AFSB (Interim) and manned by an MSC crew. PONCE was deployed toFifth Fleet AOR and is scheduled for relief by the FY12 MLP AFSB in 2016.

Note: $38M in FY 13 NDSF TOA was budgeted for an FY14 AFSB Variant, which has been changed from NDSF to SCN funding.

Characteristics:			FY11	FY11	FY12
Hull	Notional 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	24	34	43
Draft	9.1M	b) Construction Start to Delivery	23	23	31
		Delivery Date	5/13	3/14	9/15
		Completion of Fitting Out	7/13	5/14	11/15

Armament:	Major Electronics:
N/A	C4ISR

CLASSIFICATION: UNCLASSIFIED

APPROPRIATION: National Defense Sealift Fund

P-5 EXHIBIT

FY 2014 President's Budget

April 2013

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)

(Dollars in Thousands)

BUDGET ACTIVITY: 1	**P-1 LINE ITEM NOMENCLATURE**	**BLI: 0401**
	MPF(F) MLP	

	FY 2011		**FY 2012**	
ELEMENT OF COST	**QTY**	**COST**	**QTY**	**COST**
PLAN COSTS	2	44,111	1	14,000
BASIC CONST/CONVERSION		817,817		529,917
CHANGE ORDERS		9,001		4,000
ELECTRONICS		14,000		24,000
HM&E		45,387		18,166
OTHER COST		9,386		4,834
TOTAL SHIP ESTIMATE		939,702		594,917
LESS ADVANCE PROCUREMENT FY10		119,702		
LESS ADVANCE PROCUREMENT FY11				60,000
LESS ADVANCE PROCUREMENT FY13				
LESS SUBSEQUENT YEAR FULL FUNDING FY14				134,917
NET P-1 LINE ITEM:		820,000		400,000

CLASSIFICATION: UNCLASSIFIED

P-5B Exhibit

National Defense Sealift Fund

FY 2014 President's Budget

Analysis of Ship Cost Estimate - Basic/Escalation

DATE:

Ship Type: MLP

April 2013

I.	**Design/Schedule**	**Start/Issue**	**Complete /Response**	**Reissue**	**Complete /Response**
	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.	**Classification of Cost Estimate**	BUDGET QUALITY CLASS			
III.	**Basic Construction/Conversion**	FY11, MLP 1	FY11, MLP 2	FY12, MLP 3	
	A. Actual Award Date	MAY 2011	MAY 2011	FEB 2012	
	B. Contract Type (and Share Line if applicable)	FPI, 20/80 BELOW TARGET: 50/50 ABOVE TARGET	FPI, 20/80 BELOW TARGET: 50/50 ABOVE TARGET	FPI, 20/80 BELOW TARGET: 50/50 ABOVE TARGET	
IV.	**Escalation**				
	Escalation Termination Date				
	Escalation Requirement				
	Labor/Material Split				
	Allowable Overhead Rate				
V.	**Other Basic(Reserves/Miscellaneous)**	**Amount**			

CLASSIFICATION: UNCLASSIFIED

EXHIBIT P-27

National Defense Sealift Fund

FY 2014 President's Budget

SHIP PRODUCTION SCHEDULE

DATE:

April 2013

SHIP TYPE	HULL NUMBER	SHIPBUILDER	FISCAL YEAR AUTHORIZED	CONTRACT AWARD	START OF CONSTRUCTION	DELIVERY DATE
MPF MLP 1	1101	NASSCO	11	MAY-11	JUN-11	MAY-13
MPF MLP 2	1102	NASSCO	11	MAY-11	APR-12	MAR-14
MPF MLP 3	1201	NASSCO	12	FEB-12	FEB-13	SEP-15

CLASSIFICATION: UNCLASSIFIED

P-8A EXHIBIT

FY 2014 President's Budget

April 2013

National Defense Sealift Fund

Analysis of Ship Cost Estimates - Major Equipment

(Dollars in Thousands)

Ship Type: MLP	**FY 2011**		**FY 2012**	
	QTY	**COST**	**QTY**	**COST**
ELECTRONICS				
a. P-35 Items				
C4ISR	2	13,300	1	21,000
AVIATION ELECTRONICS			1	3,000
Subtotal		13,300		24,000
b. Major Items				
MISC ELECTRONICS		700		
Subtotal		700		
c. Other ELECTRONICS				
Subtotal				
Total ELECTRONICS		14,000		24,000

CLASSIFICATION: UNCLASSIFIED

P-8A EXHIBIT

FY 2014 President's Budget

April 2013

National Defense Sealift Fund

Analysis of Ship Cost Estimates - Major Equipment

(Dollars in Thousands)

Ship Type: MLP	**FY 2011**		**FY 2012**	
	QTY	**COST**	**QTY**	**COST**
HM&E				
a. P-35 Items				
CORE CAPABILITY SET	2	35,171		
Subtotal		35,171		
b. Major Items				
ENGINEERING SERVICES		4,709		11,300
SUPSHIP MATERIAL SERVICES		2,747		3,217
LOGISTICS SUPPORT SERVICES		974		2,604
TESTING AND INSTRUMENTATION		1,786		1,045
Subtotal		10,216		18,166
c. Other HM&E				
Subtotal				
Total HM&E		45,387		18,166

CLASSIFICATION: UNCLASSIFIED

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

P-35 EXHIBIT
FY 2014 President's Budget
April 2013

Ship Type: **MLP**
Equipment Item: **C4ISR**
PARM Code:

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:

Equipment consisting of military radios to provide VHF, UHF Line of Site, and UHF SATCOM, Commercial Broadband Satellite Program (CBSP) for wideband SATCOM to provide voice and data communications to the shore. A Navy network consisting of a rack of electronic boxes that will provide NIPRNET, SIPRNET and CENTRIX plus additional hardware and software to support Military Detachment functions, laptops and printers to outfit several added spaces supporting embarked units: briefing room, tactical operations center, planning room, intel room, training center and communication room. The Infrastructure to support installation of a HF radio

II. CURRENT FUNDING:

P-35 Category	FY 2011		FY 2012	
	QTY	COST	QTY	COST
Major Hardware	2	7,846	1	12,390
Spares		930		1,470
System Engineering		2,794		4,410
Technical Engineering Services		532		840
Other Costs		1,198		1,890
Total		13,300		21,000

III. CONTRACT DATA:

PROGRAM YEAR	SHIP TYPE	PRIME CONTRACTOR	CONTRACT TYPE	AWARD DATE	NEW /OPTION	QTY	HARDWARE UNIT COST
11	MLP 1 1101	TBD	TBD	TBD	TBD	1	3,923
11	MLP 2 1102	TBD	TBD	TBD	TBD	1	3,923
12	MLP 3 1201	TBD	TBD	TBD	TBD	1	12,390

IV. DELIVERY DATE:

PROGRAM YEAR	SHIP TYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE DELIVERY	PRODUCTION LEADTIME	REQUIRED AWARD DATE
11	MLP 1 1101	MAY-13	TBD	TBD	TBD
11	MLP 2 1102	MAR-14	TBD	TBD	TBD
12	MLP 3 1201	SEP-15	TBD	TBD	TBD

V. COMPETITION/SECOND SOURCE INITIATIVES:

NOTE:

C4ISR: Unit Cost is much higher for AFSB Variant MLP 3. The MLP base ship included a commercial command and control system for the Ship's MSC crew. The MLP AFSB will include the MLP systems to support the Ship's crew, additional funds for an architecture for 4 MBps of SATCOM, NIPRNET, SIPRNET and CENTRIXS, as well as military VHF, UHF, and SHF SATCOM radios.

CLASSIFICATION: UNCLASSIFIED

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

P-35 EXHIBIT
FY 2014 President's Budget
April 2013

Ship Type: **MLP**
Equipment Item: **AVIATION ELECTRONICS**
PARM Code:

I. DESCRIPTION/CHARACTERISTICS/PURPOSE:
Consists of a Moriah wind measuring system to support helicopter operations, a Tactical Air Navigation System (TACAN) to provide a navigation beacon for aircraft, Stabilized Glide Slope Indicator and Visual Landing Aids.

II. CURRENT FUNDING:

P-35 Category	**FY 2012**	
	QTY	**COST**
Major Hardware	1	3,000
Total		3,000

III. CONTRACT DATA:

PROGRAM YEAR	SHIP TYPE	PRIME CONTRACTOR	CONTRACT TYPE	AWARD DATE	NEW /OPTION	QTY	HARDWARE UNIT COST
12	MLP 3 1201	TBD	TBD	TBD	TBD	1	3,000

IV. DELIVERY DATE:

PROGRAM YEAR	SHIP TYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE DELIVERY	PRODUCTION LEADTIME	REQUIRED AWARD DATE
12	MLP 3 1201	SEP-15	TBD	TBD	TBD

V. COMPETITION/SECOND SOURCE INITIATIVES:

NOTE:
AVIATION ELECTRONICS: Aviation navigation and landing system electronics.

CLASSIFICATION: UNCLASSIFIED

National Defense Sealift Fund | **P-35 EXHIBIT**

MAJOR SHIP COMPONENT FACT SHEET | **FY 2014 President's Budget**

(Dollars in Thousands) | April 2013

Ship Type: **MLP**

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 shipbuilder.

II. CURRENT FUNDING:

P-35 Category	**FY 2011**	
	QTY	**COST**
Major Hardware	2	35,171
Total		35,171

III. CONTRACT DATA:

PROGRAM YEAR	SHIP TYPE	PRIME CONTRACTOR	CONTRACT TYPE	AWARD DATE	NEW /OPTION	QTY	HARDWARE UNIT COST
11	MLP 1 1101	Vigor Marine, LLC	FFP	Nov-12	New	1	17,499
11	MLP 2 1102	Vigor Marine, LLC	FFP	Nov-12	New	1	17,672

IV. DELIVERY DATE:

PROGRAM YEAR	SHIP TYPE	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE DELIVERY	PRODUCTION LEADTIME	REQUIRED AWARD DATE
11	MLP 1 1101	MAY-13	N/A	10	Nov-12
11	MLP 2 1102	MAR-14	N/A	10	Nov-12

V. COMPETITION/SECOND SOURCE INITIATIVES:

NOTE:

Ship delivery refers to delivery of the Ship from the shipbuilder. The CCS units will be delivered and installed onboard the MLP Ships after dekuvery in time to meet the required Initial Operational Capability (IOC) dates.

The contractual installation date is 4 months after ship delivery at Vigor Marine, LLC.

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET (P-40)	DATE: April 2013
FY 2014 President's Budget	
APPROPRIATION/BUDGET ACTIVITY **National Defense Sealift Fund/BA 1**	P-1 LINE ITEM NOMENCLATURE **NDSF OUTFITTING AND POST DELIVERY (P-40)** **BLI: 5000**

(Dollars in Millions)	PRIOR YR	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	TO COMP	TOTAL PROG
Full Funding TOA-Outfitting	28.1	6.2	31.0	27.5	10.4	0.0	0.0	0.0	10.4	113.6
Full Funding TOA-Post Delivery	0.0	18.0	8.4	15.9	7.5	16.0	0.0	0.0	23.5	89.3
Total Obligational Authority	28.1	24.2	39.4	43.4	17.9	16.0	0.0	0.0	33.9	202.9

MISSION:

NDSF BLI 5000 established supporting Post Delivery and Outfitting requirements for T-AKE, MLP and other NDSF funded ships.

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.

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.

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET(P-29) **FY 2014 President's Budget**															**DATE** **April 2013**
APPROPRIATION/BUDGET ACTIVITY **National Defense Sealift Fund/BA 1**											**P-1 LINE ITEM NOMENCLATURE** **NDSF OUTFITTING AND POST DELIVERY (P-29)** **BLI: 5000**				
Ship Type	**HULL NO**	**PROG YEAR**	**Contract Award**	**Start of Constr.**	**DEL DATE**	**CFO DATE**	**PSA START**	**PSA FINISH**	**OWLD**	**PRIOR YEARS**	**FY 2012**	**FY 2013**	**FY 2014**	**TO COMP**	**TOTAL**
MLP	1101	11	MAY-11	JUN-11	MAY-13	JUL-13	MAR-14	MAY-14	N/A	0	6184	15198	400	0	21,782
MLP	1102	11	MAY-11	APR-12	MAR-14	MAY-14	JAN-15	MAR-15	N/A	0	0	12500	7800	398	20,698
MLP	1201	12	FEB-12	FEB-13	SEP-15	NOV-15	JUL-16	SEP-16	N/A	0	0	3288	19300	10,000	32,588
									MLP Total	**0**	**6,184**	**30,986**	**27,500**	**10,398**	**75,068**
T-AKE	13	10	FEB-10	APR-10	APR-12	MAY-12	JUL-12	SEP-12	N/A	14,040	0	0	0	0	14,040
T-AKE	14	10	FEB-10	OCT-10	OCT-12	NOV-12	FEB-13	APR-13	N/A	14,050	0	0	0	0	14,050
									T-AKE Total	**28,090**	**0**	**0**	**0**	**0**	**28,090**
									Full Funding TOA-Outfitting Total	**28,090**	**6,184**	**30,986**	**27,500**	**10,398**	**103,158**

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET(P-30)	**DATE**
FY 2014 President's Budget	**April 2013**
APPROPRIATION/BUDGET ACTIVITY	**P-1 LINE ITEM NOMENCLATURE**
National Defense Sealift Fund/BA 1	**NDSF OUTFITTING AND POST DELIVERY (P-30)**
	BLI: 5000

Ship Type	HULL NO	PROG YEAR	Contract Award	Start of Constr.	DEL DATE	CFO DATE	PSA START	PSA FINISH	OWLD	PRIOR YEARS	FY 2012	FY 2013	FY 2014	TO COMP	TOTAL
MLP	1101	11	MAY-11	JUN-11	MAY-13	JUL-13	MAR-14	MAY-14	N/A	0	0	8,400	8,415	0	16,815
MLP	1102	11	MAY-11	APR-12	MAR-14	MAY-14	JAN-15	MAR-15	N/A	0	0	0	7,489	4,500	11,989
MLP	1201	12	FEB-12	FEB-13	SEP-15	NOV-15	JUL-16	SEP-16	N/A	0	0	0	0	19,001	19,001
									MLP Total	**0**	**0**	**8,400**	**15,904**	**23,501**	**47,805**
T-AKE	13	10	FEB-10	APR-10	APR-12	MAY-12	JUL-12	SEP-12	N/A	12	8,989	0	0	0	9,001
T-AKE	14	10	FEB-10	OCT-10	OCT-12	NOV-12	FEB-13	APR-13	N/A	12	8,988	0	0	0	9,000
									T-AKE Total	**24**	**17,977**	**0**	**0**	**0**	**18,001**
									Full Funding TOA-Outfitting Total	**28,090**	**6,184**	**30,986**	**27,500**	**10,398**	**103,158**
									Full Funding TOA-Post Delivery Total	**24**	**17,977**	**8,400**	**15,904**	**23,501**	**65,806**
									Total Obligational Authority Total	**28,114**	**24,161**	**39,386**	**43,404**	**33,899**	**168,964**
									NET P-1 Total	**28,114**	**24,161**	**39,386**	**43,404**	**33,899**	**168,964**

NATIONAL DEFENSE SEALIFT FUND **April 2013**
Exhibit P-40 **BA 02**
FY 2014 President's Budget Submission **BLI 0200**

National Defense Sealift Vessels
($M)

National Defense Sealift	FY 2012	FY 2013	FY 2014
Total National Defense Sealift	1.1	0.0	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.

NATIONAL DEFENSE SEALIFT FUND **April 2013**
Exhibit P-40 **BA 02**
FY 2014 President's Budget Submission **BLI 0220**

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

LMSR	FY 2012	FY 2013	FY 2014
Total, LMSR	92.6	128.8	116.8

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 were 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 have returned to Army Prepositioning in FY 2012.

Beginning in FY 2013, seven former MPF ships (4 legacy MPS and 3 MPF(Enhanced) ships) were to move to common-user sealift status and be funded within this line item. The FY 2013 President's Budget request included funding for a total of 14 ROS-5 common user sealift vessels (9 LMSRs plus 5 former MPF ships). Since the submission of the FY 2013 President's Budget, the USMC has developed and communicated to Congress their intention to further restructure the MPF by retaining one MPS legacy ship and one MPF(Enhanced) ship in the Maritime Prepositioning Squadrons (MPSRONs). Therefore, the current FY 2013 structure in this line item should be 3 MPS legacy ships, 2 MPF(E) ships, plus 9 LMSRs.

Narrative Explanation of Program Changes:

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 MPSRONs. Between FY 2013 and FY 2014, the difference of -$12.0M is due to the forward financing effect on FY 2013 (+$13.8M), the ship mix change implemented by MPF Restructure COA 4 moving 2 ships from sealift back to MFP (-$17.3M), and pricing changes gained by utilizing lower cost estimates for the 14 ROS sealift ships proposed by the Maritime Administration (MARAD) should this workload shift from the Military Sealift Command (-$8.5M).

NATIONAL DEFENSE SEALIFT FUND
Exhibit P-40
FY 2014 President's Budget Submisison

April 2013
BA 02
BLI 0230

DOD Strategic Vessel Modernization
($M)

Modernization	FY 2012	FY 2013	FY 2014
OPDS Vessel/Tender Procurement	47.4	0.0	0.0
High-Speed Ferries Transfer/Modification	35.0	0.0	16.4
LMSR Mods for Prepo	39.2	0.0	0.0
T-AOE-6 Modernization	40.5	9.0	33.0
T-Alts	2.1	0.0	0.0
ENCON T-Alts	19.9	17.6	11.3
Total, Modernization	184.1	26.6	60.7

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 a prepositioned sealift vessel.

High-Speed Ferries Transfer/Modification: 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 USNS GUAM and USNS PUERTO RICO (formerly of Hawaiian Superferry) to the Department of the Navy. These transfer funds were made available due to changes in the composition of the Maritime Prepositioning Squadrons (MPSRONs) and the attendant modification efforts. In FY 2014, $16.4M will enable the USNS GUAM to be converted for USMC use in the Western Pacific and to return USNS PUERTO RICO into class specifications.

LMSR Prepo Mods: Based upon the Department's decision to inactivate one of the three MSPRONs, $50 million of the planned $74.2 million previously 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 was reduced by $1.2 million to account for the remaining $15 million. The remaining FY 2012 funds 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.

NATIONAL DEFENSE SEALIFT FUND **April 2013**
Exhibit P-40 **BA 02**
FY 2014 President's Budget Submission **BLI 0230**
DOD Strategic Vessel Modernization

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 two ships of the class remaining in active status are scheduled in FY 2012 and FY 2014. 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 advanced design for the remaining availability (-$31.5). As discussed in the previous paragraph, the FY 2013 request was reduced by $1.2 million over the FY 2013 requirement and will be resourced from available FY 2012 funds. Increase between FY 2013 and FY 2014 (+$24M) reflects the final scheduled modernization availability in FY 2014, completing the program.

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 2012 to FY 2013 (-$2.1M) as well as the decision not to fund in FY 2014 reflect a near-term emphasis on the ENCON alterations vice traditional 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). A further decrease of -$6.3M between FY 2013 and FY 2014 reflects further completion of earlier ENCON alterations and a recognition that funding was more properly phased into FY 2015 and FY 2016 for execution.

Narrative Explanation of Program Changes: Program changes from FY 2012 to FY 2013 and from FY 2013 to FY 2014 are discussed in the subprogram justification paragraphs.

NATIONAL DEFENSE SEALIFT FUND **April 2013**
Exhibit P-40 **BA 02**
FY 2014 President's Budget Submission **BLI 0250**

Hospital Ships (T-AH)
($M)

T-AH	FY 2012	FY 2013	FY 2014
Total T-AH ROS Operations	40.8	29.2	19.8

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:

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). NWCF rate change/pricing is -$9.4M between FY 2013 and FY 2014.

CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-2, RDT&E BUDGET ITEM JUSTIFICATION						DATE April 2013	
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**			R-1 ITEM NOMENCLATURE **0408042N/NATIONAL DEFENSE SEALIFT FUND**				
COST (In Millions)	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Total PE Cost	48.443	42.811	56.058	48.293	28.402	28.321	28.780
3110 / Maritime Prepositioning Force (Future)	4.928	9.464	18.681	12.568	0.701	0.000	0.000
3116 / Strategic Sealift Research & Development	6.461	6.177	6.288	6.327	6.200	6.364	6.473
3117 / Naval Operational Logistics Integration	24.145	18.187	20.024	20.620	21.501	21.957	22.307
3417 / Future Combat Logistics Force Development	12.909	8.983	11.065	8.778	0.000	0.000	0.000

A. MISSION DESCRIPTION:

This Program Element supports multiple NDSF R&D efforts under various project units. Project Unit efforts are as follows:

(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.

(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.

(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.

(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.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2, RDT&E BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE April 2013
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**		R-1 ITEM NOMENCLATURE **0408042N/NATIONAL DEFENSE SEALIFT FUND**

B. PROGRAM CHANGE SUMMARY:

Funding:	FY 2012	FY 2013	FY 2014
FY13 President's Budget	48.443	42.811	52.398
FY14 President's Budget	48.443	42.811	56.058
Total Adjustments	0.000	0.000	3.660
(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	4.500
Rate/Misc Adjustments	0.000	0.000	-0.840
Total	0.000	0.000	3.660

Added FY 14 funding for MLP landing craft unit testing and to properly phase testing requirements with funding. Reduced FY 14 Naval Operational Logistics Integration funding to properly phase program requirements in accordance with expenditures.

CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE April 2013		
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)**		
COST (In Millions)	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Project Cost	4.928	9.464	18.681	12.568	0.701	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 Mobile Landing Platform (MLP) and Afloat Forward Staging Base (AFSB) variant of the MLP.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION		DATE April 2013
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 2012	FY 2013	FY 2014
Engineering and Acquisition Support	4.928	9.464	18.681
RDT&E Articles Quantity	0.00	0.00	0.00

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.

This effort will support contractor (NASSCO) NRE to develop a preliminary and contract design of the MLP 3 AFSB. This will include a proposal for an ECP to the MLP 3 Ship to meet the AFSB requirements and a design for the MLP 4 AFSB. The modification to the MLP design will include new capabilities such as aviation, small boat handling, and additional accommodations.

FY12 - Continued tracking execution of Test and Evaluation schedule to Test and Evaluation Master Plan (TEMP)
- Continued Preparation and conduct of Developmental Test and Evaluation (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
- Conducted engineering design of an Afloat Forward Staging Base (AFSB) contract design for an MLP AFSB.

FY13 - Continue tracking execution of Test and Evaluation schedule to Test and Evaluation Master Plan (TEMP)
- 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
- Continue engineering design of an Afloat Forward Staging Base (AFSB) preliminary and contract design for an MLP AFSB.
- Update TEMP to include AFSB test plan for DT, OT, and LFT&E

FY14 - Continue tracking execution of Test and Evaluation schedule to Test and Evaluation Master Plan (TEMP)
- Complete DT&E Phase B2
- Plan and execute Initial Operational Test and Evaluation (IOT&E)

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)		DATE April 2013
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)**

- Complete DDSAR for LFT&E
- Complete Total Ship Survivability Trial (TSST)
- Continue engineering research on feasibility of transferring Office of Naval Research Technologies to MLP
- Continue development of Afloat Forward Staging Base (AFSB) Developmental Test Program
- Continue development of Afloat Forward Staging Base (AFSB) Operational Test Program
- Continue development of Afloat Forward Staging Base (AFSB) Live Fire Test Program
- Plan and execute Landing Craft Utility (LCU) Interface Test with MLP

C. OTHER PROGRAM FUNDING SUMMARY:

Line Item No. and Name	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total Cost
NDSF Line 0401, MPF MLP Acquisition	400.000	38.000	134.917	0.000	0.000	0.000	0.000	0.000	556.917
NDSF Line 5000, Outfitting/Post Delivery	6.184	39.386	43.404	17.913	15.986	0.000	0.000	0.000	122.873

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 modified to an MLP AFSB variant configuration in FY12, and 1 AFSB variant of the MLP in FY14.

E. PERFORMANCE METRICS: None

CLASSIFICATION:	UNCLASSIFIED											
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS									DATE April 2013			
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)**					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost ($000)	FY 2012 Cost ($000)	FY 2012 Award Date	FY 2013 Cost ($000)	FY 2013 Award Date	FY 2014 Cost ($000)	FY 2014 Award Date	Cost to Complete ($000)	Total Cost ($000)	Target Value of Contract
Engineering Development and Design	C/CPIF	CSC:DC	0.000	0.000		3.600	TBD	2.962		6.800	13.362	0.000
Subtotal Product Development			**0.000**	**0.000**		**3.600**		**2.962**		**6.800**	**13.362**	**0.000**
Remarks:												
Subtotal Support Costs			**0.000**	**0.000**		**0.000**		**0.000**		**0.000**	**0.000**	**0.000**
Remarks:												
Operational Test & Evaluation	WX	MCOTEA/COTF: Various	2.620	0.600	JAN-12	1.200	JAN-13	3.800	JAN-14	6.500	14.720	0.000
Live Fire Test & Evaluation	CPIF	CSC:DC	2.490	0.700	JAN-12	1.650	JAN-13	2.300	JAN-14	1.900	9.040	0.000
Developmental Test & Evaluation	WX	JITC/MSC/NAVAIR/NSWC: Various	3.227	3.628	JAN-12	2.626	JAN-13	8.600	JAN-14	12.879	30.960	0.000
Subtotal Test and Evaluation			**8.337**	**4.928**		**5.476**		**14.700**		**21.279**	**54.720**	**0.000**
Remarks:												
Program Management Support	CPIF	CSC:DC	0.000	0.000		0.288	DEC-12	0.800		0.900	1.988	0.000
Travel	TO	VARIOUS:Various	0.000	0.000		0.100	OCT-12	0.219		0.300	0.619	0.000
Subtotal Management Services			**0.000**	**0.000**		**0.388**		**1.019**		**1.200**	**2.607**	**0.000**
Remarks:												
Total Cost			**8.337**	**4.928**		**9.464**		**18.681**		**29.279**	**70.689**	**0.000**

EXHIBIT R-4, SCHEDULE PROFILE						DATE April 2013	
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)**		
Fiscal Year	**FY12**	**FY13**	**FY14**	**FY15**	**FY16**	**FY17**	**FY18**
Milestones							
MLP MS C			△ MS C				
DD&C Contract Awards							
MLP 3	△ CA MLP 3						
MLP 4 AFSB Variant AP Award (LLTM)		△ CA LLTM					
MLP 3 AFSB Modification			△ CA Modification				
MLP 4 AFSB Variant			△ CA MLP 4 AFSB				
Ship Deliveries							
MLP 1		△	DEL MLP 1				
MLP 2			△ DEL MLP 2				
MLP 3 w/AFSB Modification				△ DEL MLP 3			
MLP 4 AFSB Variant					△	DEL MLP 4	
Testing							
MLP Test and Evaluation Program Development		△	TEMP Rev	△			
MLP Developmental Test and Evaluation (DT&E)	△ DT Assist		DT-B2 IOT&E	FOT&E △			
MLP Operational Test and Evaluation (OT&E)	△		TRR	△			
MLP Live Fire Test and Evaluation (LFT&E)	△ PSAR	DDSAR	TSST	FSAR △			

CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-4a, SCHEDULE DETAIL						DATE April 2013	
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)**			
Schedule Profile	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
MILESTONES:							
MLP MS C			1Q				
DD&C CONTRACT AWARDS:							
MLP 3	2Q						
MLP 4 AFSB Variant AP Award (LLTM)		1Q					
MLP 3 AFSB Modification			1Q				
MLP 4 AFSB Variant			1Q				
SHIP DELIVERIES:							
MLP 1		3Q					
MLP 2			2Q				
MLP 3 w/AFSB Modification				4Q			
MLP 4 AFSB Variant						2Q	
TESTING:							
MLP TEST AND EVALUATION PROGRAM DEVELOPMENT		1Q-4Q	1Q-4Q	1Q-2Q			
MLP DEVELOPMENTAL TEST AND EVALUATION (DT&E)	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q			
MLP OPERATIONAL TEST AND EVALUATION (OT&E)	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q			
MLP LIVE FIRE TEST AND EVALUATION (LFT&E)	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q			

CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE April 2013		
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**		
COST (In Millions)	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Project Cost	6.461	6.177	6.288	6.327	6.200	6.364	6.473
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.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION		DATE April 2013
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 2012	FY 2013	FY 2014
MERSHIP Systems Development	0.100	0.200	0.000
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 - Conducted analysis and concept development of advanced MERSHIP enhancements to fulfill DOD missions.

FY13 - Conduct analysis and concept development of advanced MERSHIP enhancements to fulfill DOD missions.

	FY 2012	FY 2013	FY 2014
Shipboard Crane Systems/Shipboard Cargo Systems	4.841	3.300	0.000
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.

FY12 - Investigation and demonstration of shipboard crane/cargo systems improvements.

FY13 - Investigation and demonstration of shipboard crane/cargo systems improvements.

	FY 2012	FY 2013	FY 2014
Sealift Concept Development	0.750	0.790	0.794
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.

FY12 - Continued 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.

FY14 - Continue providing Analysis and Modeling support, Advanced Planning, Sealift Research, and Technology development and program guidance.

	FY 2012	FY 2013	FY 2014
Lighter/HSV Seabase to Shore Cargo Transfer	0.770	1.887	5.494
RDT&E Articles Quantity	0.00	0.00	0.00

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.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)		DATE April 2013
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**

FY12 - Continued transitions and development and test of transfer and interface systems for cargo movement ashore.

FY13 - Continue transitions and development and test of transfer and interface systems for cargo movement ashore.

FY14 - Continue transitions and development and test of transfer and interface systems for cargo movement ashore.

C. OTHER PROGRAM FUNDING SUMMARY:

Not applicable for SEALIFT R&D efforts.

U) Related RDT&E: Not Applicable

D. ACQUISITION STRATEGY:

Not applicable for SEALIFT R&D efforts.

E. PERFORMANCE METRICS: None

CLASSIFICATION:	UNCLASSIFIED											
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS										DATE April 2013		
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**					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY Cost ($000)	FY 2012 Cost ($000)	FY 2012 Award Date	FY 2013 Cost ($000)	FY 2013 Award Date	FY 2014 Cost ($000)	FY 2014 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	8.725	0.750	JAN-12	0.790	JAN-13	0.794	JAN-14	CONT	CONT	0.000
Shipboard Crane Systems	WX	NSWCCD, CSC-Wash DC	12.461	4.841	JAN-12	3.300	JAN-13	0.000		CONT	CONT	0.000
Lighter/HSV to Shore Cargo Transfer	WX	NSWCCD, CSC-Wash DC	0.337	0.770	JAN-12	1.887	JAN-13	5.494	JAN-14	CONT	CONT	0.000
Energy Cost Reduction	WX	NSWCCD, CSC-Wash DC	2.150	0.000		0.000		0.000		CONT	CONT	0.000
MERSHIP Systems Development	WX	CSC/Subcontractor-Wash DC	0.025	0.100	JAN-12	0.200	JAN-13	0.000		CONT	CONT	0.000
Subtotal Product Development			**23.698**	**6.461**		**6.177**		**6.288**		**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			**23.698**	**6.461**		**6.177**		**6.288**		**0.000**	**CONT**	**0.000**

CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE April 2013		
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 (In Millions)	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Project Cost	24.145	18.187	20.024	20.620	21.501	21.957	22.307
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:

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 and energy conservation technologies and capabilities as well as draft acquisition and operations policy ensuring future Naval systems leverage emerging logistic capabilities and technologies to provide operationally effective and energy efficient logistics delivery.

Though the operational logistics family of systems touches all aspects of Naval presence and power projection, operational logistics capability and system interfaces typically have been left to individual acquisition programs to develop and resolve. Technology development is necessary to mitigate technological and operational risk before ship acquisition programs accept new technologies. This project provides a foundation for the transition and systems development of science & technology initiatives evolving from the Office of Naval Research (ONR) Power & Energy Future Naval Capabilities (FNC), Enterprise and Platform Enablers FNC, Seabasing FNC and from other enabling Government, industry and academia concepts to the acquisition community. Thus, 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. 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.

This project will continue to 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 developed capabilities will enable multiple ship types to leverage common technologies common across DoD (Joint) and commercial transportation networks providing 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.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION		DATE April 2013
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**

B. ACCOMPLISHMENTS/PLANNED PROGRAM:

	FY 2012	FY 2013	FY 2014
Advanced Replenishment Systems	6.500	6.500	5.993
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 the Combat Logistics Force (CLF), through interface definition and system/component interoperability.

FY12 - Developed electric STREAM interface requirements and completed system detail design. Started electric STREAM technical data package and prototype equipment fabrication. Transitioned infrared wireless phone and distance line replacement to the Fleet. Reviewed Vertical Launch System (VLS) at sea rearmament study. Developed early stage integration plans for heavy UNREP aboard T-AKE. Funding estimate updated due to program adjustments.
FY13 - Complete heavy electric STREAM (UNREP) prototype installation and certification aboard USNS ARCTIC. Procure prototype electric STREAM equipment for land-based test site and start land-based installation and testing. Complete specifications and drawings necessary for electric STREAM to be on T-AO(X). Develop contracting approach and plan supporting installation of electric STREAM equipment aboard CLF ships. Coordinate heavy UNREP procurement to support Joint Strike Fighter (JSF) IOC.

FY14 - Complete electric STREAM prototype land-based testing, implementing improvements for a cost effective production system and prepare drawings and documentation for use by new ship acquisition programs. Complete cost comparisons to existing STREAM for both procurement and TOC.

	FY 2012	FY 2013	FY 2014
Standard Packaging Interfaces & Technologies	0.400	0.290	0.250
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.

FY12 - Evaluated commercial standardized packaging alternatives for applicability to Fleet operations, coordinated analyses with Enterprises. Supported 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 coordinate with OPNAV and Defense Packaging Board.
FY14 - Continue market surveillance of commercial and shipboard standardized packaging & interface technologies to identify cost effective and TOC reducing approaches for the Navy.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)		DATE April 2013
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**

	FY 2012	FY 2013	FY 2014
Asset Visibility and Planning	0.450	0.400	0.324
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.

FY12 - Performed assessments of shipboard RFID/Tracking technologies for ordnance and other classes of material. Performed shipboard integration evaluations of RFID and 2D bar codes for improved logistics system visibility and materiel tracking.

FY13 - Evaluate reliability and effectiveness of current and proposed Automated Inventory Technology (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 ability to reduce manual work while improving inventory accuracy and tracking.

FY14 - Continue market surveillance of commercial and shipboard asset visibility and planning technologies to identify cost effective and TOC reducing equipment and approaches for the Navy.

	FY 2012	FY 2013	FY 2014
Logistics Architectures	0.750	0.660	0.550
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.

FY12 - Developed and integrated 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.
FY14 - Continue to develop and exercise logistics Fleet tools and analyses for cost effective deployment and operations.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)		DATE April 2013
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**

	FY 2012	FY 2013	FY 2014
Integrated Naval Logistics	0.300	0.250	0.200
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.

FY12 - Coordinated 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.

FY14 - Coordinate with NLI projects related to shipboard materiel packaging, movement and visibility to achieve TOC reductions.

	FY 2012	FY 2013	FY 2014
Shipboard Material Transport	0.850	0.622	0.707
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.

FY12 - Analyzed approaches for improving existing Strike-Up Strike-Down approaches to improve through put, reduce maintenance, improve safety and support reduced manning. Evaluated materiel movement and packing methods for high volume seabasing operations with existing manning. Continued analysis of heavy container movement aboard CLF to support JSF.

FY13 - Perform commercial pallet jack article testing and shipboard specification development for heavy container movement aboard CLF to support JSF. Evaluate CLF deck strength and loading resulting from use of commercial pallet jack with JSF engine modules. Develop approaches for CLF equipment TOC reductions and coordinate implementation plans with MSC.

FY14 - Perform first article testing on shipboard version of heavy container mover for CLF support of JSF. Continue market surveillance of commercial and shipboard materiel movement technologies to identify cost effective and TOC reducing equipment and approaches for the Navy.

	FY 2012	FY 2013	FY 2014
Ship Concept Development	2.000	2.000	4.000
RDT&E Articles Quantity	0.00	0.00	0.00

Ship Concept Development for future common hull form tug and salvage capability.

FY12 - 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

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)		DATE April 2013
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**

capabilities and number of ships.

FY13 - Complete Milestone A documentation. Continue industry studies and development of Procurement Request (PR), Statement of Work (SOW), Contract Data Requirements List (CDRL), specifications, and Indicative Design in preparation for FY14 Phase I RFP release to multiple bidders for Preliminary/Contract Design.
FY14 - Complete development of Procurement Request (PR), Statement of Work (SOW), Contract Data Requirements List (CDRL), and specifications. Release Request for Proposal (RFP) and conduct source selection for FY15 Phase I award. Refine Navy Indicative Design in order to validate specifications and compare to results of competing Phase I shipbuilders.

	FY 2012	FY 2013	FY 2014
Shipboard Energy Conservation	12.895	7.465	8.000
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.

FY12 - Managed and updated the Energy Management Plan Cycle and Process to continually inject new Doctrine Organization Training Material Leadership Personnel Facilities (DOTMLPF) solutions. Continued 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. Continued to coordinate the transition of technology to produce shipboard savings, collaboration between ships, doctrinal updates, new training techniques, and performance measurement. Began prototype installations from FY11 BAA technology evaluations.

FY13 - Continuous process improvement on Energy Management Plan. Open new energy conservation BAA and solicit ideas on several new focus areas throughout the year. Contract for new Phase 1 energy conservation efforts based on BAA white papers. Initiate contracting for prototype concepts based on successful Phase 1 BAA efforts.
Evaluate new potential energy savings alternatives identified through BAA, Fleet and shipboard energy audits and update investment portfolio to help achieve energy savings goals.
Identify and evaluate energy savings applications across the Fleet. Continue 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.
FY14 - Continue energy management approach improvements, validation of energy savings from implementation of energy conservation measures, identify and evaluate additional energy conservation concepts, transition successful energy conservation measures to MSC and coordinate with other Navy energy conservation programs.
Contract for new Phase 1 energy conservation efforts based on BAA white papers. Initiate contracting for prototype concepts based on successful Phase 1 BAA efforts.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION (CONTINUATION)		DATE April 2013
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**

C. OTHER PROGRAM FUNDING SUMMARY:

Not Applicable

(U) Related RDT&E:

Not Applicable

D. ACQUISITION STRATEGY:

Not applicable for OPLOG R&D efforts.

E. PERFORMANCE METRICS:

CLASSIFICATION:	UNCLASSIFIED											
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS										DATE April 2013		
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 2012 Cost ($000)	FY 2012 Award Date	FY 2013 Cost ($000)	FY 2013 Award Date	FY 2014 Cost ($000)	FY 2014 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	21.441	3.834	JAN-12	7.500	JAN-13	4.000	JAN-14	CONT	CONT	0.000
Ancillary Hardware Development	WX	AMSEC LLC, Markey, Rockwell Intl, Alion, SAIC, Alien Technologies	10.976	3.200	JAN-12	3.512	JAN-13	2.942	JAN-14	CONT	CONT	0.000
Ship Integration	WX & RX	NSWC Carderock, Dahlgren, Port Hueneme; Oldenburg, Alion-JJMA, MSC, CSC, SPAWAR	8.741	2.200	JAN-12	0.250	JAN-13	1.028	JAN-14	CONT	CONT	0.000
Ship Suitability	WX & RX	NSWC Carderock, SPAWAR Charleston, Panama City, MSC, CSC, NSWC Dahlgren	2.798	1.339	JAN-12	0.500	JAN-13	0.955	JAN-14	CONT	CONT	0.000
Systems Engineering	WX & RX	NSWC Carderock, Port Hueneme, Oldenburg, Alion, SAIC, SYS, AMSEC, MSC, CSC	13.229	2.600	JAN-12	1.800	JAN-13	3.900	JAN-14	CONT	CONT	0.000
Subtotal Product Development			**57.185**	**13.173**		**13.562**		**12.825**		**0.000**	**CONT**	**0.000**
Remarks:												
Development Support	WX	NSWCCD	9.220	2.572	JAN-12	1.000	JAN-13	0.883	JAN-14	CONT	CONT	0.000
Software Development	WX	NSWCCD	1.203	1.100	JAN-12	0.000		0.000		CONT	CONT	0.000
Integrated Logistics Support	WX & RX	NSWCCD, Alion, CSC, Tessada	0.758	0.300	JAN-12	0.100	JAN-13	0.217	JAN-14	CONT	CONT	0.000
Configuration Management	WX	NSWCCD	1.041	0.500	JAN-12	0.220	JAN-13	0.220	JAN-14	CONT	CONT	0.000
Technical Data	WX & RX	NSWC Port Hueneme, Alion, SAIC, Markey	4.233	0.800	JAN-12	0.700	JAN-13	1.500	JAN-14	CONT	CONT	0.000
Studies & Analyses	WX & RX	NSWCCD, NPS	3.435	0.500	JAN-12	0.065	JAN-13	0.065	JAN-14	CONT	CONT	0.000
Subtotal Support Costs			**19.890**	**5.772**		**2.085**		**2.885**		**CONT**	**CONT**	**0.000**
Remarks:												
Developmental Test & Evaluation	WX	SYS, Markey, Alion	2.828	0.550	JAN-12	0.400	JAN-13	0.600	JAN-14	CONT	CONT	0.000
Operational Test & Evaluation	WX	Oldenburg, Alion, SAIC, MSC,	4.257	1.500	JAN-12	0.960	JAN-13	0.960	JAN-14	CONT	CONT	0.000
Subtotal Test and Evaluation			**7.085**	**2.050**		**1.360**		**1.560**		**0.000**	**CONT**	**0.000**
Remarks:												
Contractor Engineering Support	WX	NSWCCD	9.570	2.000	JAN-12	0.200	JAN-13	0.754	JAN-14	CONT	CONT	0.000
Government Engineering Support	WX & RX	NSWC Carderock, Dahlgren, Port Hueneme, Indian Head, MSC	2.931	1.150	JAN-12	0.200	JAN-13	0.600	JAN-14	CONT	CONT	0.000
Project/Acquisition Management	RX	CSC, Alion	0.000	0.000		0.780		1.400	JAN-14	0.000	2.180	0.000
Subtotal Management Services			**12.501**	**3.150**		**1.180**		**2.754**		**0.000**	**CONT**	**0.000**
Remarks:												
Total Cost			**96.661**	**24.145**		**18.187**		**20.024**		**0.000**	**CONT**	**0.000**

CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION					DATE April 2013		
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**	PROGRAM ELEMENT NUMBER AND NAME **0408042N/NATIONAL DEFENSE SEALIFT FUND**				PROJECT NUMBER AND NAME **3417/Future Combat Logistics Force Dev**		
COST (In Millions)	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Project Cost	12.909	8.983	11.065	8.778	0.000	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 Dry Cargo/Ammunition Ship, they will accompany and stay on-station with a Carrier Strike Group (CSG) to provide fuel as required to customer ships.

CLASSIFICATION:	UNCLASSIFIED	
EXHIBIT R-2a, RDT&E PROJECT JUSTIFICATION		DATE April 2013
APPROPRIATION/BUDGET ACTIVITY **RDTEN/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 2012	FY 2013	FY 2014
Engineering and Acquisition Support	12.909	8.983	11.065
RDT&E Articles Quantity	0.00	0.00	0.00

Engineering and Acquisition Support: Acquisition support including acquisition and test and evaluation strategy development, milestone documentation development, and Industry Studies Request for Proposal (RFP) and contract support. Engineering support including T-AO(X) System Specification development, design studies, Industry Studies technical oversight and validation of requirements.

FY12 - Continue development and initiate staffing and approval of Acquisition Strategy, System Engineering Plan, Test and Evaluation Strategy and other documents in support of Milestone A. Continue the development of the T-AO(X) System Specification and Industry Studies RFP. Provide engineering support for the T-AO(X) design process and validation of requirements. Support the conduct of Gates 2 and 3. Coordinate efforts with NAVSEA, MSC, PEO Ships, CNO, ASN RD&A, OSD and Fleet.

FY13 - Support the conduct of Milestone A. Issue Industry Studies RFP, conduct source selection and award Industry Studies contracts. Provide engineering support to the T-AO(X) design process and validation of requirements. Begin support development and staffing of Pre-Engineering, Manufacturing and Development (EMD) documents. Support update of the T-AO(X) System Specification and begin the development of the Detail Design and Construction (DD&C) RFP. Coordinate efforts with NAVSEA, MSC, PEO Ships, CNO, ASN RD&A, OSD and Fleet.

FY14 - Continue to provide engineering support for the T-AO(X) design process, validation of requirements and oversight of Industry Studies contracts. Continue development of the Detail Design and Construction (DD&C) RFP. Support development and staffing of Milestone B documentation. Support the conduct of Initial Preliminary Design Review (PDR). Coordination efforts with NAVSEA, MSC, PEO Ships, CNO, ASN RD&A, OSD and Fleet.

C. OTHER PROGRAM FUNDING SUMMARY:

Line Item No. and Name	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	To Complete	Total Cost
NDSF/BLI: 0160 T-AO(X) PROCUREMENT	0.000	0.000	0.000	0.000	694.000	0.000	594.000	CONT	CONT

D. ACQUISITION STRATEGY:

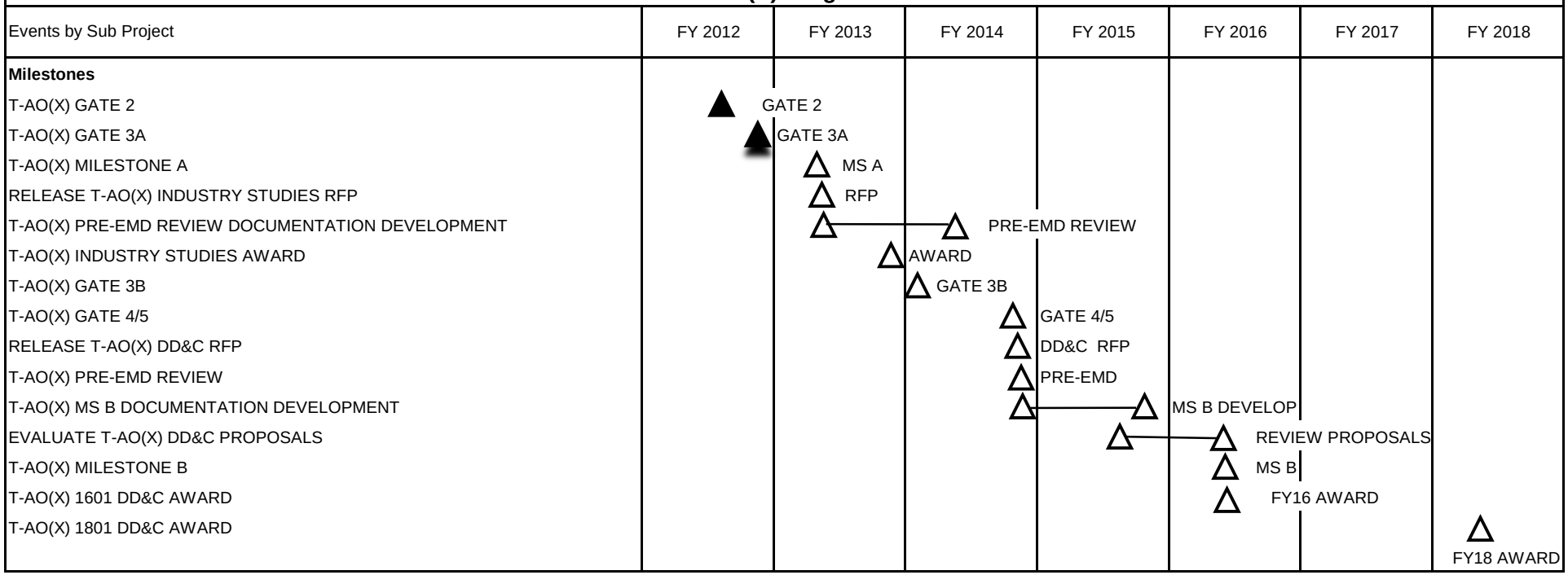
The first Fleet Oiler will be awarded in FY16. Fleet oilers will comply with the Oil Pollution Act of 1990 (OPA-90) and International Marine Pollution Regulation (MARPOL) requirements.

E. PERFORMANCE METRICS: None

CLASSIFICATION:	UNCLASSIFIED											
EXHIBIT R-3, RDT&E PROJECT COST ANALYSIS										DATE April 2013		
APPROPRIATION/BUDGET ACTIVITY **RDTEN/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 2012 Cost ($000)	FY 2012 Award Date	FY 2013 Cost ($000)	FY 2013 Award Date	FY 2014 Cost ($000)	FY 2014 Award Date	Cost to Complete ($000)	Total Cost ($000)	Target Value of Contract
Engineering Integration and Design	Various	SPAWAR-Charleston, NSWC-Carderock and Port Hueneme, NAVAIR-Patuxent River, CSC & Alion - DC	2.550	5.000	NOV-11	0.700	APR-13	3.655	JAN-14	2.864	14.769	0.000
Engineering System Spec Development	C/CPFF	Alion, DC	0.440	1.309	APR-12	0.300	JUL-13	0.300	JAN-14	0.000	2.349	0.000
Design Concepts/TOC/Trade Off Studies	TBD	Various	0.000	0.000		6.000	SEP-13	3.000	JAN-14		9.000	0.000
Analysis of Alternatives	Various	Center of Naval Analysis, VA	1.000	0.000		0.000		0.000		0.000	1.000	0.000
SEALIFT	Various	Various	0.000	1.000	APR-12	0.000		0.000		0.000	1.000	0.000
Subtotal Product Development			**3.990**	**7.309**		**7.000**		**6.955**		**2.864**	**28.118**	**0.000**
Remarks:												
Integrated Logistics, Risk Mngmt, RFP Dev.	C/CPFF	Alion, DC	0.000	1.400	JAN-12	0.100	JUL-13	0.960	JAN-14	0.700	3.160	0.000
Milestone A/B & EMD Documentation Support	C/CPFF	Alion & CSC, DC	0.000	2.000	JAN-12	0.400	JUL-13	1.100	JAN-14	2.000	5.500	0.000
Subtotal Support Costs			**0.000**	**3.400**		**0.500**		**2.060**		**2.700**	**8.660**	**0.000**
Remarks:												
Development Test & Evaluation	Various	Various	0.000	0.100	JAN-12	0.300	APR-13	0.250	JAN-14	0.250	0.900	0.000
Operational Test & Evaluation	Various	Various	0.000	0.050	JAN-12	0.300	APR-13	0.450	JAN-14	0.350	1.150	0.000
Live Fire Test & Evaluation	Various	Various	0.000	0.050	JAN-12	0.300	APR-13	0.350	JAN-14	0.350	1.050	0.000
Subtotal Test and Evaluation			**0.000**	**0.200**		**0.900**		**1.050**		**0.950**	**3.100**	**0.000**
Remarks:												
Develop Requirements Documents	C/CPFF	CSC, DC	0.200	0.600	JAN-12	0.000		0.000		0.300	1.100	0.000
Source Selection Documentation	WR	NSWC, Carderock	0.200	0.000		0.200	APR-13	0.000		0.964	1.364	0.000
Program Management Support	C/CPFF	Alion & CSC, DC	0.100	1.400	JAN-12	0.383	JUL-13	1.000	JAN-14	1.000	3.883	0.000
Subtotal Management Services			**0.500**	**2.000**		**0.583**		**1.000**		**2.264**	**6.347**	**0.000**
Remarks:												
Total Cost			**4.490**	**12.909**		**8.983**		**11.065**		**8.778**	**46.225**	**0.000**

EXHIBIT R-4, SCHEDULE PROFILE			DATE April 2013
APPROPRIATION/BUDGET ACTIVITY **RDTEN/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



CLASSIFICATION:	UNCLASSIFIED						
EXHIBIT R-4a, SCHEDULE DETAIL					DATE April 2013		
APPROPRIATION/BUDGET ACTIVITY **RDTEN/BA 4**	PROGRAM ELEMENT NUMBER AND NAME **0408042N/NATIONAL DEFENSE SEALIFT FUND**			PROJECT NUMBER AND NAME **3417/Future Combat Logistics Force Dev**			
Schedule Profile	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
T-AO(X) GATE 2	3Q						
T-AO(X) GATE 3A	4Q						
T-AO(X) MILESTONE A		2Q					
RELEASE T-AO(X) INDUSTRY STUDIES RFP		3Q					
T-AO(X) PRE-EMD REVIEW DOCUMENTATION DEVELOPMENT		4Q		1Q			
T-AO(X) INDUSTRY STUDIES AWARD		4Q					
T-AO(X) GATE 3B			4Q				
T-AO(X) GATE 4/5				2Q			
T-AO(X) PRE-EMD REVIEW				2Q			
RELEASE T-AO(X) DD&C RFP				2Q			
T-AO(X) MS B DOCUMENTATION DEVELOPMENT				2Q	3Q		
EVALUATE T-AO(X) DD&C PROPOSALS					1Q-4Q		
T-AO(X) MILESTONE B					4Q		
T-AO(X) 1601 DD&C AWARD					4Q		
T-AO(X) 1801 DD&C AWARD							2Q

NATIONAL DEFENSE SEALIFT FUND
Exhibit P-40
FY 2014 President's Budget Submission
Ready Reserve Force (RRF)
($M)

April 2013
BA 05
BLI 0500

RRF/NDRF	FY 2012	FY 2013	FY 2014
TOTAL RRF	313.9	303.3	299.0
TOTAL BA-5	313.9	303.3	299.0

Justification:
The RRF Budget is based upon the conclusions of the 2005 Mobility Capabilities Requirements Study 2016 (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 finalizes the Surface Deployment and Distribution Command (SDDC)/USTRANSCOM capability enhancements for specified RRF ships with the installation of third and final stern ramp in FY12, and continues funding 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).

Narrative Explanation of Program Changes:
Between FY 2012 and FY 2013, the BA-05 total change is a net decrease of $10.6M. Programmatic change between FY 2012 and FY 2013 is a net decrease of $24.3M. 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 FTEs in NDRF/Security efforts (-$1.4M), changes to periodic maintenance requirements/phasing (-$23.6M), and FY12 OMNIBUS increase for BLF dredging of (-$4.6M). Pricing change between FY 2012 and FY 2013 is +$13.7M.

Between FY 2013 and FY 2014, the total change is a net decrease of $4.3M. Programmatic change between FY 2013 and FY 2014 is a net decrease of $0.8M. Program increases are for cyclical changes in maintenance and repair based on regulatory schedules (+$11.3M), re-align Security to Outporting (+$2.0), and second year funding for T-5 Tanker conversion (+$7.8M). Program decreases are for reduced Extended Service Life maintenance (-$21.1M) and NDRF reduced fleet craft maintenance (-$0.8M). Pricing change between FY 2013 and FY 2014 is +$5.1M.

NATIONAL DEFENSE SEALIFT FUND **April 2013**
Exhibit P-5 SEALIFT COST ANALYSIS **BA 05**
FY 2014 President's Budget Submission **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	**FY12**		**FY13**		**FY14**	
RRF COST CATEGORY	QTY	COST	QTY	COST	QTY	COST
Maintenance & Repair, sea trials, ESL, FSS OERA, & Program support		159,354		155,786		139,356
Less JCS Exercise Savings		(5,000)		(5,000)		(5,000)
ROS Crews/SM fees	48	95,479	46	96,530	46	97,795
Outporting/Security	44	23,185	44	23,526	44	26,610
Logistics/IT Program Management		9,377		9,365		9,371
NDRF/Facilities & Security		23,050		21,653		21,573
SDDC/USTC enhancements of RRF		3,825		-		-
Beaumont Layberth Facility		4,617		-		-
Convert T5 Tanker to OPDS				1,463		9,320
Total, RRF Maintenance & Operations		**313,887**		**303,323**		**299,025**
Congressional Add: MARAD Ship Financing Guarantee Program		-		-		-
TOTAL, RRF (NDSF BA 5 BLI 0500)	**-**	**313,887**	**-**	**303,323**	**-**	**299,025**

April 2013
BA 05
BLI 0500

FY 2014 President's Budget Submission
READY RESERVE FORCE - SHIPS BY READINESS CATEGORY

Ship Type	2012	2013	2014
RO/RO	**35**	**35**	**35**
ROS-5	35	35	35
PREPO	0	0	0
HEAVYLIFT	**4**	**2**	**2**
ROS-5	2	2	2
RRF-10	2	0	0
T-ACS	**6**	**6**	**6**
ROS-5	6	6	6
OPDS-TANKER	**1**	**1**	**1**
RRF-10	1	1	1
PREPO	0	0	0
T-AVB	**2**	**2**	**2**
ROS-5	2	2	2
GRAND TOTAL	**48**	**46**	**46**

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