



PMS 385
Strategic and Theater Sealift
Program Office

Surface Navy Association Symposium
January 16, 2019

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Program Manager



PMS 385 Shipbuilding Programs



- Expeditionary Fast Transport (EPF)
 - Originally a 10 ship joint program with Army
 - Now 14 ship program under Navy direction
 - Austal USA of Mobile, AL is the shipbuilder
 - Negotiations in progress for the EPF 13/14 construction contract
- Expeditionary Mobile Base (ESB)
 - Originally a 3 ship program as Mobile Landing Platform (MLP) program
 - 7 ships now funded (ESD 1 & 2, ESB 3 thru 7)
 - GD NASSCO of San Diego, CA is the shipbuilder
 - Negotiations in progress for the ESB 6/7 construction contract
- Common Hull Auxiliary Multi-Mission Platform (CHAMP)
 - Sealift and Auxiliary Missions
 - Industry Day held 23 May 2018
 - RFP for Industry studies to be released in Jan 2019



Delivering Ships



Expeditionary Fast Transport - EPF

<u>Ship Name</u>	<u>Delivery Date</u>
EPF 1 USNS SPEARHEAD	5 Dec 12
EPF 2 USNS CHOCTAW COUNTY	6 Jun 13
EPF 3 USNS MILLNOCKET	21 Mar 14
EPF 4 USNS FALL RIVER	15 Sep 14
EPF 5 USNS TRENTON	13 Apr 15
EPF 6 USNS BRUNSWICK	14 Jan 16
EPF 7 USNS CARSON CITY	24 Jun 16
EPF 8 USNS YUMA	21 Apr 17
EPF 9 USNS CITY OF BISMARCK	19 Dec 17
EPF 10 USNS BURLINGTON	15 Nov 18



Expeditionary Transfer Dock - ESD

<u>Ship Name</u>	<u>Delivery Date</u>
ESD 1 USNS MONTFORD POINT	14 May 13
ESD 2 USNS JOHN GLENN	12 Mar 14

Expeditionary Sea Base - ESB

<u>Ship Name</u>	<u>Delivery Date</u>
ESB 3 USNS LEWIS B. PULLER Commissioned USS	12 Jun 15 17 Aug 17
ESB 4 USNS HERSHEL "WOODY" WILLIAMS	22 Feb 18



It's All About Ships



PMS 385 has delivered 14 Battle Force ships in just over 6 years

Delivery Schedule

CY	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
EPF 1	Dec 2012 ▲											
ESD 1		May 2013 ▲										
EPF 2		Jun 2013 ▲										
ESD 2			Mar 2014 ▲									
EPF 3			Mar 2014 ▲									
EPF 4				Sep 2014 ▲								
EPF 5					Apr 2015 ▲							
ESB 3						Jun 2015 ▲						
EPF 6							Jan 2016 ▲					
EPF 7								Jun 2016 ▲				
EPF 8									Apr 2017 ▲			
EPF 9										Dec 2017 ▲		
ESB 4											Feb 2018 ▲	
EPF 10												Nov 2018 ▲
EPF 11												3 rd Qtr FY19 ▲
ESB 5												1 st Qtr FY20 ▲
EPF 12												2 nd Qtr FY20 ▲
ESB 6												TBD ▲
EPF 13												TBD ▲
EPF 14												TBD ▲
ESB 7												TBD ▲



ESB System Description



Missions:

Support Aviation-Mine Counter Measure (AMCM) and Special Operations Force (SOF) operations

Description:

 Provides four core components:

1. Aviation – Flight deck four Level 1/Class 2 Op Spots
2. Berthing – Accommodations for 250 military
3. Equipment Staging – Mission deck ~65K sqft storage and supports launch/recovery of boats and sleds
4. Command and Control – C4I spaces, hardware/backbone for mission planning and execution

Employment: Hybrid CIVMAR/MILDET crew operated as USNS or USS ship. Additional capabilities are under consideration, including MIW vessel of opportunity



Designed/constructed to commercial ship standards. Navy standards and certifications applied to mission-related ship functions. Operated by a 34-person Military Sealift Command crew and 101 permanent MILDET.

Barrels



USS LEWIS B. PULLER (ESB 3) Supporting the Fleet



USNS LEWIS B. PULLER sailed away 10 July 2017; commissioned USS 17 August 2017



EPF System Description



Mission: Rapid Transport

Description: Provides CDRs a 35 knot intra-theater transport of 600 tons of combat ready units over 1,200 nautical miles with ability for off-load in austere environments without reliance on shore infrastructure

Employment: Provides the ability to transport combat ready units rapidly over intra-theater distances without reliance on shore based infrastructure and in austere environments

- Intra-theater Littoral Maneuver
- Seabasing Support
- Support to Overseas Contingency Operations



EPF with Adaptive Force Packages supports a broad range of strategic missions



Expeditionary Fast Transport – EPF in the Fleet



EPF 1-10 in service; 11-12 deliveries planned every 8 months; 13-14 in negotiations

DISTRIBUTION STATEMENT A: Approved for Public Release; Distribution is Unlimited



CHAMP Proposed Missions



Medical Services

- Primary: Provide rapid, flexible, and mobile acute health services support to customers deployed ashore and afloat.
- Secondary: Provide mobile surgical hospital service and acute medical care in disaster or humanitarian relief.



Command and Control

Provide command, control, communications, computers, and intelligence support (C4I)



Submarine Tending

- Primary: Intermediate Maintenance Activity (IMA) on attack submarines.
- Secondary: Reload torpedo and tomahawk missiles.
- Secondary: Radiological emergency response.



Sealift: Prepositioning

Provide strategically placed military equipment and supplies aboard ships located in key areas to ensure rapid availability during war, humanitarian operation or other contingency.

Sealift: Surge

Provide strategic sealift capability in support of the deployment of heavy, mechanized combat units worldwide, including hazardous, explosive, vehicular, containerized, and general cargo.



Aviation Intermediate Maintenance Support

- Primary: To provide dedicated sea-lift for rapid movement of the aviation intermediate level support needed to sustain USMC fixed and rotary-wing aircraft.
- Secondary: To provide for strategic-lift in a conventional container or Roll-On/Roll-Off (RO/RO) configuration.

Potential Future Missions

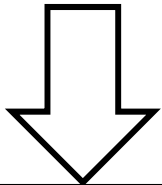
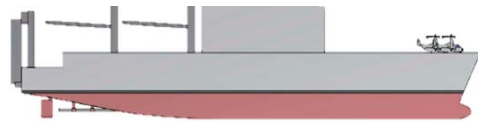
- The final product could be used for other potential missions due to its flexible nature



CHAMP Sealift Strategy



CHAMP

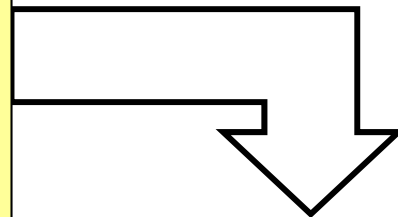


***Prepositioned
Vessels
(Full Operational Status)***

New construction Sealift vessels will be delivered to the Maritime Prepositioning Force (MPF) – strengthening the Fleet’s ability to support employment across the full range of military operations.



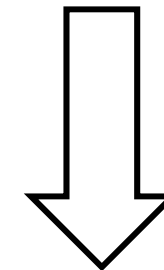
Former “Prepo” Vessels
Rotate to MSC Surge Fleet as
CHAMP delivers



***MSC
Surge Fleet
(Reduced Operating
Status)***



“Buy Used” Vessels



***MARAD
Ready Reserve
Force (RRF)
(Reduced Operating
Status)***



CHAMP - The Need for Recapitalization



- Demand signal for expeditionary logistics to support advanced warfighting capabilities outpacing aging fleet
- Current auxiliary/sealift fleet approaching end of service; future mission assurance at risk
- Current vessels have disparate designs over multiple classes; drives increased lifecycle costs
- *Sealift That the Nation Needs* defines a three-phase Sealift Recapitalization approach: Service Life Extension, Acquire Used, New Construction (Common Hull Auxiliary Multi-mission Platform “CHAMP”)
- In order to procure more than 2 used ships, SECNAV must certify that Navy has initiated an acquisition strategy for the construction of no fewer than 10 new sealift vessels with lead ship delivery no later than 2026

PB19 Retirement Schedule

	Avg Age	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	Total	
Strategic Sealift	40						1	2	1	1	7		4	8	13	2	4	5	8				2	58
Submarine Tender (AS)	38										1	1												2
Aviation Log (AVB)	48												1	1										2
Hospital (AH)	42																	1	1					2
Command Ship (LCC)	47																					2		2
Total		0	0	0	0	0	1	2	1	1	8	1	5	9	13	2	4	6	9	0	2	2		66

Sealift and Auxiliary Recapitalization Required



Program Status

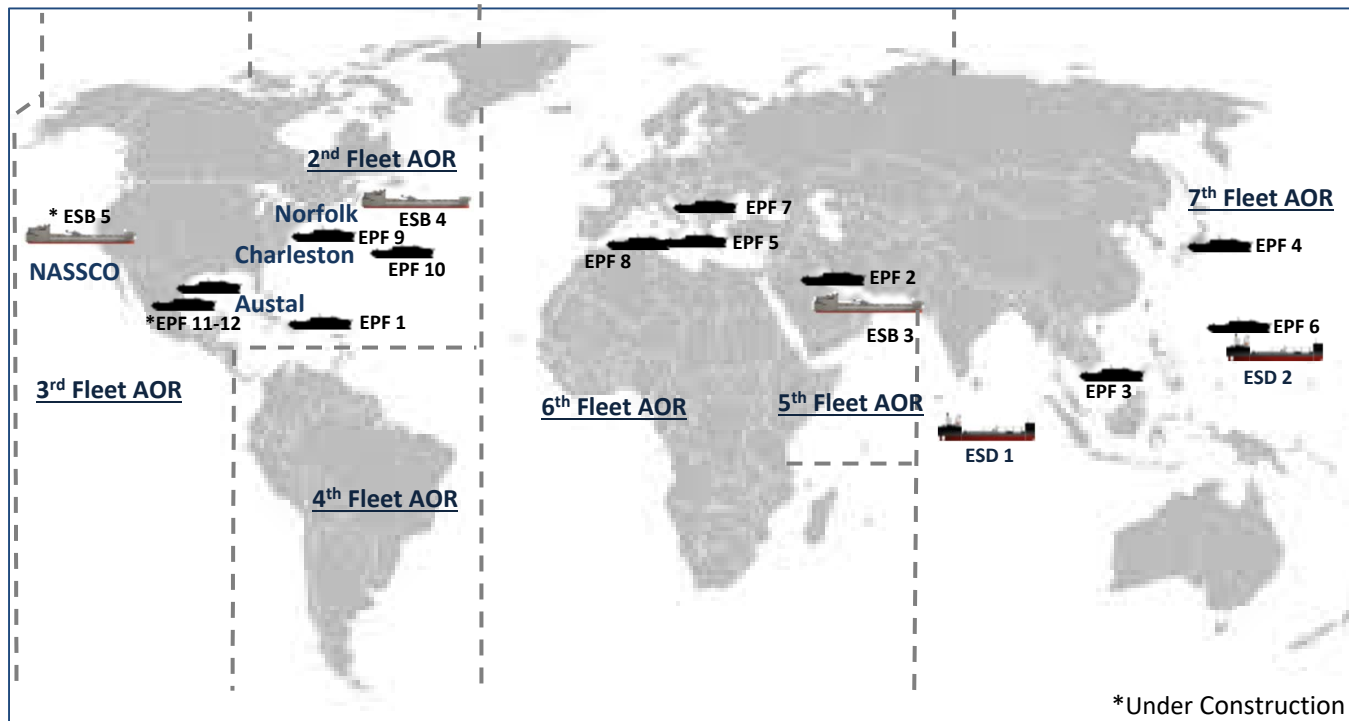


- EPF
 - EPF 11 and 12 under construction
 - Working EPF 13/14 contract with Austal
 - Studies underway to expand aviation capability and operation in higher sea states
- ESB
 - ESB 5 recovery progressing on schedule
 - Working ESB 6/7 contract with NASSCO
 - Studies underway to increase mine warfare capability
- Common Hull Auxiliary Multi-Mission Platform (CHAMP)
 - Industry Studies RFP to be issued January 2019 (planned award March)



PMS 385 Ships Global Presence

(Owned and Operated by Military Sealift Command)



Navy Exercising Ships' Flexibilities Across Broad Range of Missions:

- SOF - Intelligence, Surveillance and Reconnaissance (ISR)
- Humanitarian Assistance/ Disaster Relief (HA/DR)
- Theater Security Cooperation (TSC)
- Counter-Piracy Operations
- Mine Countermeasure Ops (MCM)
- Counter- Illicit Trafficking

... and more