Modernized Selected Acquisition Report (MSAR)

Expeditionary Sea Base (ESB)

FY 2025 President's Budget

Effective: December 31, 2023

Defense Acquisition Visibility Environment

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(U) Common DoD Abbreviations

$B	Billions of Dollars
$K	Thousands of Dollars
$M	Millions of Dollars
ACAT	Acquisition Category
Acq O&M	Acquisition-Related Operations and Maintenance
ADM	Acquisition Decision Memorandum
APA	Additional Performance Attribute
APB	Acquisition Program Baseline
APPN	Appropriation
APUC	Average Procurement Unit Cost
BA	Budget Authority or Budget Activity
Blk	Block
BY	Base Year
CAE	Component Acquisition Executive
CAPE	Cost Assessment and Program Evaluation
CARD	Cost Analysis Requirements Description
CCE	Component Cost Estimate
CCP	Component Cost Position
CDD	Capability Development Document
CLIN	Contract Line Item Number
CPD	Capability Production Document
CY	Calendar Year or Constant Year
DAB	Defense Acquisition Board
DAE	Defense Acquisition Executive
DAES	Defense Acquisition Executive Summary
DAVE	Defense Acquisition Visibility Environment
DoD	Department of Defense
DSN	Defense Switched Network
EMD	Engineering and Manufacturing Development
EVM	Earned Value Management
FD	Full Deployment
FDD	Full-Deployment Decision
FMS	Foreign Military Sales
FOC	Full Operational Capability
FRP	Full-Rate Production
FY	Fiscal Year
FYDP	Future Years Defense Program
ICD	Initial Capabilities Document
ICE	Independent Cost Estimate
Inc	Increment
IOC	Initial Operational Capability
IT	Information Technology
JROC	Joint Requirements Oversight Council
KPP	Key Performance Parameter
KSA	Key System Attribute

LRIP	Low-Rate Initial Production
MDA	Milestone Decision Authority
MDAP	Major Defense Acquisition Program
MILCON	Military Construction
N/A	Not Applicable
O	Objective
O&M	Operations and Maintenance
O&S	Operating and Support
ORD	Operational Requirements Document
OSD	Office of the Secretary of Defense
PAUC	Program Acquisition Unit Cost
PB	President's Budget
PE	Program Element
PEO	Program Executive Officer
PM	Program Manager
POE	Program Office Estimate
R&MF	Revolving and Management Funds
RDT&E	Research, Development, Test, and Evaluation
SAR	Selected Acquisition Report
SCP	Service Cost Position
T	Threshold
TBD	To Be Determined
TY	Then Year
U.S.	United States
U.S.C	United States Code
UCR	Unit Cost Reporting
USD(A&S)	Under Secretary of Defense (Acquisition and Sustainment)

(U) Program Description

Full Name
Expeditionary Sea Base

Short Name
ESB

PNO
335

Milestone Decision Authority
Component Acquisition Executive

Lead Component
Department of the Navy

Program Executive Office
PEO Ships

Joint Program
No

Acquisition Type
Major Defense Acquisition Program

Adaptive Acquisition Pathway
Major Capability Acquisition

Acquired Systems
ESB

Acquisition Category
IB

Acquisition Status
Active Acquisition

Mission
The Expeditionary Transfer Dock (ESD) program (formerly Mobile Landing Platform (MLP)) originally supported procurement of three ships for the three Maritime Prepositioning Squadrons (MPSRONS). Each ESD provides three Landing Craft Air Cushion (LCAC) lanes, Skin-to-Skin ramp and fenders, and 25K square feet of raised vehicle deck. The Sea Base Surface Interface Hub enables transfer of personnel and equipment from Maritime Prepositioning Force (MPF(F)) Large, Medium-Speed Roll-On/Roll-Off (LMSR) and Expeditionary Fast Transport (EPF) to shore via LCACs. The Expeditionary Sea Base (ESB) program (formerly MLP Afloat Forward Staging Base (AFSB)) mission is to support Aviation-Mine Counter Measure (AMCM) and Special Operations Force (SOF) operations. The ESB class provides four core components. These include a flight deck with four Level 1/Class 2 Op Spots, berthing to accommodate for 250 military personnel, a mission deck with ~65K square feet of storage as well as the ability to support launch and recovery of boats and sleds, and command and control in the form of Command, Control, Communications, Computers and Intelligence (C4I) spaces for mission planning and execution. The ESB is hybrid Civilian Mariner/Military Detachment (CIVMAR/MILDET) crew operated as either a United States Naval Ship (USNS) for Non International Armed Conflicts (NIAC) or converted to United States Ship (USS) for International Armed Conflicts (IAC).

(U) Responsible Office

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(U) Executive Summary

Program Highlights Since Last Report

This is the final submission of the MSAR for the ESB program.
The ESD/ESB class has successfully delivered five ships since ESD 1 delivery in May 2013. ESBs 3-5 are currently operating as Fleet assets.
ESB 6 delivered on 1 March 2023.
ESB 7 is currently in production and the projected delivery is September 2024.
ESB 8 started construction on 8 August 2023 and the projected delivery is June 2026.
Defense Cost and Resource Center Cost and Software Data Reporting Compliance Rating: Green.
There are no significant software-related issues with this program at this time.

(U) History of Significant Developments Since Program Inception

Date	Description
March 2023	ESB 6 Delivered
August 2022	ESB 8 DD&C Contract Awarded to NASSCO
June 2021	ESB 8 contract option and pricing expired
December 2020	ESB 8 Advance Procurement Congressional Add ($73M)
November 2019	ESB 5 Delivered
August 2019	ESB 6 and ESB 7 DD&C contract awarded to NASSCO in San Diego
December 2018	ESB reclassified from ACAT II to ACAT IB
June 2018	ESB 6-8 Individual Streamlined Acquisition Plan (ISTRAP) Approved
June 2018	ESB 6-8 Justification and Approval (J&A) Approved
May 2018	ESB 6-8 Acquisition Strategy Approved
May 2018	ESB 6 LLTM ADM Approved
May 2018	ESB 6 LLTM Request for Proposal (RFP) Released
April 2018	APB updated for 3 additional ships
February 2018	ESB 4 Delivered
February 2018	ESD / ESB, as ACAT II programs, delegated to PEO Ships MDA authority
June 2017	ESB Ready for Fleet Introduction
May 2017	ESB 3 OTA Initial Operating Test & Evaluation (IOT&E) Report Operational Test-C2 Final Report
December 2016	Department of the Navy, Executive Summary, 2016 Force Structure Assessment (FSA) December 14, 2016.
December 2016	MLP AFSB (Variant) Net-Ready KPP
December 2016	ASN(RDA) approval to award and fund contract modification to N00024-16-C-2227
September 2016	MLP AFSB ARD Rev 3.0
September 2016	MPF(F) ESB Circular of Requirements (COR) Rev 1.0
August 2016	Increase in ESB 5 LLTM Acquisition with PEO Ships endorsement dated August 26, 2016

Date	Description
April 2016	Award as sole source to NASSCO for DD&C of ESB 5
April 2016	ADM to approve acquisition of ESB 5 by ASN(RDA)
June 2015	ESB 3 Delivered
May 2015	MLP with Core Capability Set (CCS) Operational Test Agency (OTA) Evaluation Report
February 2015	OPNAV N95 letter that implements modifications to meet SOF capabilities
December 2014	Office of the Chief of Naval Operations (OPNAV) N95 clarification of roles and responsibilities between Military Detachment (MILDET) and Military Sealift Command (MSC), Force Protection responsibilities, Vertical Replenishment (VERTREP) support responsibilities.
October 2014	ESD IOT&E
March 2014	Delivery of MLP 2
November 2013	MLP AFSB ARD Rev 2.0
June 2013	MLP AFSB Aviation Requirements Document (ARD)
June 2013	ASN(RDA) approval to award two AFSB variants of MLP to NASSCO
May 2013	Delivery of MLP 1
May 2013	ASN(RDA) approved Abbreviated Acquisition Plan dated May 1, 2013
May 2013	ASN(RDA) approved DD&C of MLP 3 AFSB.
April 2013	ASN(RDA) approved award of AFSB Advanced Design to include Special Operations Forces (SOF) capabilities
March 2013	MLP AFSB Variant Appendix to Increment One CDD Addendum
March 2013	Approved MLP CDD change 2 - AFSB
December 2012	ASN(RDA) approved Contract Design of MLP Afloat Forward Staging Base (AFSB) and to incorporate design changes to base MLP 3 ship to enable future capabilities elements
December 2012	ASN(RDA) approved award of AFSB Contract Design
October 2012	MLP CDD Aviation Interface
May 2011	Designation of MLP as ACAT II.
May 2011	Approval to Award Detail Design and Construction (DD&C) for MLP 1 & 2, Long Lead Time Material (LLTM) MLP 3 Shipbuilding and Conversion, Navy (SCN) Letter
May 2011	Milestone B approval by Assistant Secretary of the Navy (Research, Development & Acquisition) (ASN(RDA)) that authorized engineering and manufacturing development and detail design of the MLP class ship
August 2010	MPF(F) Increment One CDD Addendum & Enclosure
June 2010	Reviewed and approved MPF(F) KPP for Mission Payload
February 2009	MLP System Design Part I awarded to National Steel and Shipbuilding Company(NASSCO)
July 2008	Approved June 5, 2008 Defense Acquisition Board (DAB) for incremental acquisition of MPF(F) platforms, focusing on T-AKE and MLP. Milestone A
March 2008	JROC Approval of MPF(F) Increment 1 CDD
September 2006	N09J legal opinion stating that Mobile Landing Platform (MLP) may be lawfully designated naval auxiliary
August 2006	Joint Staff J-2 memo Intelligence Certification of MPF(F) Capability Development Document (CDD)
March 2006	Acquisition Decision Memorandum (ADM) Approval of MPF(F) program to enter Technology Development phase

Date	Description
June 2005	Assistant Secretary of the Navy for Research, Development and Acquisition (ASN(RDA)) Congressional letter describing MPF(F) issued
April 2004	MPF(F) Analysis of Alternatives Final Summary Report approved
January 2003	MPF(F) Analysis of Alternatives Plan approved
February 2000	MPF for 21st Century (MPF Future (MPF(F)) Mission Need Statement approved
June 1998	Mission Area Analysis of the sea-basing concept for the Maritime Prepositioning Force (MPF) of 2010 issued

(U) Schedule

(U) Schedule Events

Events		Production APB (Current) 2/5/2019 Objective	Production APB (Current) 2/5/2019 Threshold	Current Estimate 12/31/2023	Actual
MS B DAB	MS B	May 2011	May 2011	-	31 May 2011
Detail Design and Construction Contract Award	FRP Decision	May 2011	May 2011	-	27 May 2011
Start of Construction	Other	Jun 2011	Jun 2011	-	24 Jun 2011
Lead Ship Delivery (Expeditionary Transfer Dock)	First Asset Delivery	May 2013	May 2013	-	14 May 2013
Lead Ship Delivery (ESB)	First Asset Delivery	Jun 2015	Jun 2015	-	12 Jun 2015
IOT&E Complete	IOT&E	Oct 2014	Oct 2014	-	31 Oct 2014
IOC	IOC	Apr 2015	Apr 2015	-	30 Apr 2015
FOC	FOC	Jan 2028	Jan 2029	Jan 2028	-

Notes

ESB 6 - Delivered 1 March 2023. OWLD May 2024.
ESB 7 - Delivery planned for September 2024. OWLD November 2025.
ESB 8 - Delivery planned for June 2026. OWLD August 2027.

Schedule Baseline Deviation Explanation

None

(U) Current Significant Schedule Risks and Risks Identified at Milestones/Decisions

None

(U) Performance

(U) Performance Attributes

Net Ready-KPP Attribute - ESB		KPP
Current Estimate 12/31/2023		Support to Military Operations (90%) Primary Mission Area - Mine Counter Measures Measure - Ability to disseminate Tactical & Operational Information Enter and be managed on the Network Network - LOS Coms Measure - 5s (time to connect) Data Links Measure - 12s (time to connect) SATCOM Voice Measure - 5s (time to connect) SATCOM Data Measure - 10s (time to connect) Exchange Information: Information Element - Identify Target, Engage Target, Destroy Target Measure - 1 min (Time to send and receive information to/from external operational performer)
Demonstrated Performance 8/12/2016		Support to Military Operations (90%) Primary Mission Area - Mine Counter Measures Measure - Ability to disseminate Tactical & Operational Information Enter and be managed on the Network Network - LOS Coms Measure - 5s (time to connect) Data Links Measure - 12s (time to connect) SATCOM Voice Measure - 5s (time to connect) SATCOM Data Measure - 10s (time to connect) Exchange Information: Information Element - Identify Target, Engage Target, Destroy Target Measure - 1 min (Time to send and receive information to/from external operational performer)
Production APB (Current)	Objective	Support to Military Operations (99%) Primary Mission Area - Mine Counter Measures Measure - Ability to disseminate Tactical & Operational Information Enter and be managed on the Network Network - LOS Coms Measure - 1s (time to connect) Data Links Measure - 5s (time to connect) SATCOM Voice Measure - 1s (time to connect) SATCOM Data Measure - 2s (time to connect) Exchange Information: Information Element - Identify Target, Engage Target, Destroy Target Measure - 10s (Time to send and receive information to/from external operational performer)
2/5/2019	Threshold	Support to Military Operations (90%) Primary Mission Area - Mine Counter Measures Measure - Ability to disseminate Tactical & Operational Information Enter and be managed on the Network Network - LOS Coms Measure - 5s (time to connect) Data Links Measure - 12s (time to connect) SATCOM Voice Measure - 5s (time to connect) SATCOM Data Measure - 10s (time to connect) Exchange Information: Information Element - Identify Target, Engage Target, Destroy Target Measure - 1 min (Time to send and receive information to/from external operational performer)
Net-Ready: The system must support Net-Centric military operations. The system must be able to enter and be managed in the network, and exchange data in a secure manner to enhance mission effectiveness. The system must continuously provide survivable, int		KPP
Current Estimate		Systems must fully support execution of all operational

12/31/2023		activities and information exchanges identified in the DoD Enterprise Architecture and solution architectures based on integrated DODAF content, and must satisfy the technical requirements for Net -Centric military operations to include: 1) Solution architecture products compliant with DoD Enterprise Architecture based on integrated DODAF content, including specified operationally effective information exchanges 2) Compliant with Net- Centric Data Strategy and Net-Centric Services Strategy, and the principles and rules identified in the DoD IEA, excepting tactical and non-IP communications 3) Compliant with GIG Technical Guidance to include IT Standards identified in the TV-1 and implementation guidance of the GESPs necessary to meet all operational requirements specified in the DoD Enterprise Architecture and solution architecture views 4) IA requirements including availability, integrity, authentication, confidentiality, and non-repudiation, and issuance of an ATO by the DAA, and 5) Supportability requirements to include SAASM, Spectrum and JTRS requirements.
Demonstrated Performance **9/9/2013**		Systems must fully support execution of all operational activities and information exchanges identified in the DoD Enterprise Architecture and solution architectures based on integrated DODAF content, and must satisfy the technical requirements for Net -Centric military operations to include: 1) Solution architecture products compliant with DoD Enterprise Architecture based on integrated DODAF content, including specified operationally effective information exchanges 2) Compliant with Net- Centric Data Strategy and Net-Centric Services Strategy, and the principles and rules identified in the DoD IEA, excepting tactical and non-IP communications 3) Compliant with GIG Technical Guidance to include IT Standards identified in the TV-1 and implementation guidance of the GESPs necessary to meet all operational requirements specified in the DoD Enterprise Architecture and solution architecture views 4) IA requirements including availability, integrity, authentication, confidentiality, and non-repudiation, and issuance of an ATO by the DAA, and 5) Supportability requirements to include SAASM, Spectrum and JTRS requirements.
Production APB **(Current)**	**Objective**	Systems must fully support execution of all operational activities and information exchanges identified in the DoD Enterprise Architecture and solution architectures based on integrated DODAF content, and must satisfy the technical requirements for Net-Centric military operations to include: 1) Solution architecture products compliant with DoD Enterprise Architecture based on integrated DODAF content, including specified operationally effective information exchanges 2) Compliant with Net-Centric Data Strategy and Net-Centric Services Strategy, and the principles and rules identified in the DoD IEA, excepting tactical and non-IP communications 3) Compliant with GIG Technical Guidance to include IT Standards identified in the TV-1

		and implementation guidance of the GESPs necessary to meet all operational requirements specified in the DoD Enterprise Architecture and solution architecture views 4) IA requirements including availability, integrity, authentication, confidentiality, and non-repudiation, and issuance of an ATO by the DAA, and 5) Supportability requirements to include SAASM, Spectrum and JTRS requirements.
2/5/2019	**Threshold**	Systems must fully support execution of Joint critical operational activities and information exchanges identified in the DoD Enterprise Architecture and solution architectures based on integrated DODAF content, and must satisfy the technical requirements for transition to Net-Centric military operations to include: 1) Solution architecture products compliant with DoD Enterprise Architecture based on integrated DODAF content, including specified operationally effective information exchanges 2) Compliant with Net-Centric Data Strategy and Net-Centric Services Strategy, and the principles and rules identified in the DoD IEA, excepting tactical and non-IP communications 3) Compliant with GIG Technical Guidance to include IT Standards identified in the TV-1 and implementation guidance of the GESPs necessary to meet all operational requirements specified in the DoD Enterprise Architecture and solution architecture views 4) IA requirements including availability, integrity, authentication, confidentiality, and non-repudiation, and issuance of an IATO or ATO by the DAA, and 5) Supportability requirements to include SAASM, Spectrum and JTRS requirements.
Capacity to support ESD operations (1)		**KPP**
Current Estimate **12/31/2023**		Mission deck/cargo capacity: 25,000 sq. ft. elevated if necessary, for vehicle parking and maneuvering with tiedowns for all current and programmed USMC and NSE ground vehicles and equipment (to include Army equivalents) and an additional allocation of space above the 25,000 sq. ft. for stowage and employment of the sideport ramp and fendering LCAC: 3 LCAC equivalent mission deck spots with services (fueling, wash down, lane barriers, lighting) JP 5 cargo fuel stowage capacity: 380,000 gal. to support LCAC refueling and support of operations ashore (i.e. refueling tanker trucks and other vehicles) potable water stowage and production capacity: Stowage capacity of 100,000 gal. and production capacity of 25,000 gal. per day to support both shipboard and mission related fresh water requirements
Demonstrated Performance **9/9/2013**		Mission deck/cargo capacity: 25,000 sq. ft. elevated if necessary, for vehicle parking and maneuvering with tiedowns for all current and programmed USMC and NSE ground vehicles and equipment (to include Army equivalents) and an additional allocation of space above the 25,000 sq. ft. for stowage and employment of the sideport ramp and fendering LCAC: 3 LCAC equivalent mission deck spots with services (fueling, wash down,

		lane barriers, lighting) JP 5 cargo fuel stowage capacity: 380,000 gal. to support LCAC refueling and support of operations ashore (i.e. refueling tanker trucks and other vehicles) potable water stowage and production capacity: Stowage capacity of 100,000 gal. and production capacity of 25,000 gal. per day to support both shipboard and mission related fresh water requirements.
Production APB (Current)	**Objective**	Mission deck/cargo capacity: 50,000 sq. ft., elevated if necessary, for vehicle parking and maneuvering with tiedowns for all current and programmed USMC and NSE ground vehicles and equipment (to include Army equivalents) and an additional allocation of space above the 50,000 sq. ft. for stowage and employment of the sideport ramp and fendering LCAC: 3 LCAC equivalent mission deck spots with services (fueling, wash down, lane barriers, lighting) JP 5 cargo fuel stowage capacity: 450,000 gal. to support LCAC refueling and support of operations ashore (i.e refueling tanker trucks and other vehicles) potable water stowage and production capacity: Stowage capacity of 100,000 gal. and production capacity of 25,000 gal. per day to support both shipboard and mission related fresh water requirements
2/5/2019	**Threshold**	Mission deck/cargo capacity: 25,000 sq. ft. elevated if necessary, for vehicle parking and maneuvering with tiedowns for all current and programmed USMC and NSE ground vehicles and equipment (to include Army equivalents) and an additional allocation of space above the 25,000 sq. ft. for stowage and employment of the sideport ramp and fendering LCAC: 3 LCAC equivalent mission deck spots with services (fueling, wash down, lane barriers, lighting) JP 5 cargo fuel stowage capacity: 380,000 gal. to support LCAC refueling and support of operations ashore (i.e. refueling tanker trucks and other vehicles) potable water stowage and production capacity: Stowage capacity of 100,000 gal. and production capacity of 25,000 gal. per day to support both shipboard and mission related fresh water requirements
Capacity to support ESB operations (2)		**KPP**
Current Estimate 12/31/2023		Flight Deck: Two Level I/Class 2 operating spots - Air capable ship with weapon support and defueling. MH53E equivalent with additional parking for 2 MH53E equivalent aircraft, a hangar sized to fit one MH53E equivalent spread or two MH53E equivalent folded. Space, weight, and services (S/W/S) to accommodate MH60, CH47, AH6 equivalent aircraft. Accommodations: Berthing for a total of 284 personnel comprised of 34 MSC standard and 250 Military standard. Also, stores for 34 MSC at 30/45/90 (chill/frozen/ dry). Stores for 250 Military at 10/10/10 (chill/frozen/dry) Mission deck/cargo capacity to accommodate: -4 MK-105 mine sleds equivalents and 4 7- M RHIBs and 12 TEUs Or - 4 41ft craft and 12 TEUs S/W for objective value cargo JP 5 and MOGAS cargo fuel stowage capacity: 350,000 gal.

		JP5 and 110 gal. MOGAS to support aviation and boat operations. S/W for a MOGAS 4,000 gal. jettison able bladder rack system; Services for AFFF only Potable water stowage and production capacity: Stowage capacity of 100,000 gal. and production capacity of 25,000 gal. per day to support both shipboard and mission related fresh water requirements.
Demonstrated Performance **8/12/2016**		Flight Deck: Two Level I/Class 2 operating spots - Air capable ship with weapon support and defueling. MH53E equivalent with additional parking for 2 MH53E equivalent aircraft, a hangar sized to fit one MH53E equivalent spread or two MH53E equivalent folded. Space, weight, and services (S/W/S) to accommodate MH60, CH47, AH6 equivalent aircraft. Accommodations: Berthing for a total of 284 personnel comprised of 34 MSC standard and 250 Military standard. Also, stores for 34 MSC at 30/45/90 (chill/frozen/ dry). Stores for 250 Military at 10/10/10 (chill/frozen/dry) Mission deck/cargo capacity to accommodate: - 4 MK-105 mine sleds equivalents and 4 7- M RHIBs and 12 TEUs Or - 4 41ft craft and 12 TEUs S/W for objective value cargo JP 5 and MOGAS cargo fuel stowage capacity: 350,000 gal. JP5 and 110 gal. MOGAS to support aviation and boat operations. S/W for a MOGAS 4,000 gal. jettison able bladder rack system; Services for AFFF only Potable water stowage and production capacity: Stowage capacity of 100,000 gal. and production capacity of 25,000 gal. per day to support both shipboard and mission related fresh water requirements.
Production APB **(Current)**	**Objective**	Flight Deck: Four Level I/Class 2 operating spots - Air capable ship with weapon support and defueling. MH53E or MH60 or CV22 or CH47 or AH6 equivalent with additional parking for 4 MH53E or CV22 equivalent aircraft, a hangar sized to fit one MH53E equivalent spread or two MH53E equivalent folded Accommodations: Berthing for a total of 351 personnel comprised of 94 MSC standard and 257 Military standard. Also, stores for 94 MSC at 30/45/90. Stores for 257 Military at 30/45/90 (chill/frozen/dry) Mission deck/cargo capacity to accommodate: - 6 MK-105 mine sleds and 4 7-M RHIBs and 4 9-M RHIBs, and 20 TEUs Or - 4 12-M boats, and 16 TEUs and 10 ISU 90 (9'X7') with power service hook-up and tiedowns Or - 2 65-ft boats and 2 DCS-M and 16 TEUs and 10 ISU 90 (9'X7') with power service hook-up and tiedowns JP 5 and MOGAS cargo fuel stowage capacity: 350,000 gal. JP5 and 4,000 gal. MOGAS. Potable water stowage and production capacity: Same as threshold
2/5/2019	**Threshold**	Flight Deck: Two Level I/Class 2 operating spots - Air capable ship with weapon support and defueling. MH53E equivalent with additional parking for 2 MH53E equivalent aircraft, a hangar sized to fit one MH53E equivalent spread or two MH53E equivalent folded. Space, weight, and services (S/W/S) to accommodate MH60, CH47, AH6 equivalent aircraft. Accommodations: Berthing for a total of 284 personnel comprised of 34 MSC standard and 250 Military standard. Also, stores

		for 34 MSC at 30/45/90 (chill/frozen/ dry). Stores for 250 Military at 10/10/10 (chill/frozen/dry) Mission deck/cargo capacity to accommodate: - 4 MK-105 mine sleds equivalents and 4 7-M RHIBs and 12 TEUs Or - 4 41ft craft and 12 TEUs S/W for objective value cargo JP 5 and MOGAS cargo fuel stowage capacity: 350,000 gal. JP5 and 110 gal. MOGAS to support aviation and boat operations. S/W for a MOGAS 4,000 gal. jettison able bladder rack system; Services for AFFF only Potable water stowage and production capacity: Stowage capacity of 100,000 gal. and production capacity of 25,000 gal. per day to support both shipboard and mission related fresh water requirements
Force Protection (1)		**KPP**
Current Estimate **12/31/2023**		Crew served weapons mounts and stowage space (volume, accessibility and safety) for these weapons, small arms, ammunition, non-lethal weapons/devices, and personnel protective equipment as routinely provided to MSC ships
Demonstrated Performance **9/9/2013**		Crew served weapons mounts and stowage space (volume, accessibility and safety) for these weapons, small arms, ammunition, non-lethal weapons/devices, and personnel protective equipment as routinely provided to MSC ships.
Production APB (Current)	**Objective**	Crew served weapons mounts and stowage space (volume, accessibility and safety) for these weapons, small arms, ammunition, non-lethal weapons/devices, and personnel protective equipment as routinely provided to MSC ships plus space and weight for point defense weapons system(s)
2/5/2019	**Threshold**	Crew served weapons mounts and stowage space (volume, accessibility and safety) for these weapons, small arms, ammunition, non-lethal weapons/devices, and personnel protective equipment as routinely provided to MSC ships
Survivability - ESD (1)		**KPP**
Current Estimate **12/31/2023**		S/W for chemical and radiological detection system, wash down capability for the ship, personnel decontamination stations, and CBR PPE for the crew Survival of the ship, crew, embarked force through sea state 8 (Note 1), while maintaining best heading under power Damage control repair lockers: Two damage control repair lockers shall be provided. One locker shall be located forward, and the other locker is to be located aft. The lockers shall be located between the forward and aft collision bulkheads. The DC lockers shall be capable of stowing the required MSC damage control AELs.
Demonstrated Performance **9/9/2013**		S/W for chemical and radiological detection system, wash down capability for the ship, personnel decontamination stations, and CBR PPE for the crew Survival of the ship, crew, embarked force through sea state 8 (Note 1), while maintaining best heading under power Damage control repair lockers: Two damage

		control repair lockers shall be provided. One locker shall be located forward, and the other locker is to be located aft. The lockers shall be located between the forward and aft collision bulkheads. The DC lockers shall be capable of stowing the required MSC damage control AELs.
Production APB (Current)	**Objective**	Chemical and radiological detection system, washdown capability for the ship, personnel decontamination stations, and CBR PPE for the crew. Survival of the ship and crew through sea state 8 while maintaining best heading under power. Damage control repair lockers: Two damage control repair lockers shall be provided. One locker shall be located forward, and the other locker is to be located aft. The lockers shall be located between the forward and aft collision bulkheads. The DC lockers shall be capable of stowing the required MSC damage control AELs.
2/5/2019	**Threshold**	S/W for chemical and radiological detection system, wash down capability for the ship, personnel decontamination stations, and CBR PPE for the crew Survival of the ship, crew, embarked force through sea state 8 (Note 1), while maintaining best heading under power Damage control repair lockers: Two damage control repair lockers shall be provided. One locker shall be located forward, and the other locker is to be located aft. The lockers shall be located between the forward and aft collision bulkheads. The DC lockers shall be capable of stowing the required MSC damage control AELs.
Survivability - ESB		**KPP**
Current Estimate 12/31/2023		S/W for chemical and radiological detection system, wash down capability for the ship, personnel decontamination stations, and CBR PPE for the crew Survival of the ship, crew, embarked force through sea state 8 (Note 1), while maintaining best heading under power Damage control repair lockers: Two damage control repair lockers shall be provided. One locker shall be located forward, and the other locker is to be located aft. The lockers shall be located between the forward and aft collision bulkheads. The DC lockers shall be capable of stowing the required MSC damage control AELs.
Demonstrated Performance 8/12/2012		S/W for chemical and radiological detection system, wash down capability for the ship, personnel decontamination stations, and CBR PPE for the crew Survival of the ship, crew, embarked force through sea state 8 (Note 1), while maintaining best heading under power Damage control repair lockers: Two damage control repair lockers shall be provided. One locker shall be located forward, and the other locker is to be located aft. The lockers shall be located between the forward and aft collision bulkheads. The DC lockers shall be capable of stowing the required MSC damage control AELs.
Production APB	**Objective**	Threshold plus chemical and radiological detection

(Current)		system, wash down capability for the ship, personnel decontamination stations, CBR PPE for the crew Same as threshold Damage control repair lockers: Three damage control repair lockers shall be provided. The two identified in threshold plus a third locker located in the new AFSB house. The DC lockers shall be capable of stowing the required MSC damage control Allowance Equipage Lists
2/5/2019	Threshold	S/W for chemical and radiological detection system, wash down capability for the ship, personnel decontamination stations, and CBR PPE for the crew Survival of the ship, crew, embarked force through sea state 8 (Note 1), while maintaining best heading under power Damage control repair lockers: Two damage control repair lockers shall be provided. One locker shall be located forward, and the other locker is to be located aft. The lockers shall be located between the forward and aft collision bulkheads. The DC lockers shall be capable of stowing the required MSC damage control AELs.
Materiel Availability. Percent of time ship not in maintenance availability and can undertake bulk of wartime mission (Ao equiv). Bulk of its wartime mission for MLP is ability to transit at 10 knots, and ballast and control head in support of LCAC operat		**KPP**
Current Estimate 12/31/2023		80%
Demonstrated Performance 9/9/2013		80%
Production APB (Current)	**Objective**	84%
2/5/2019	**Threshold**	80%

(U) Requirement Source:
Sponsor(s): None

1. Document Type Not Provided
   Notes: CDD approved on March 11, 2013

Notes

Acronyms and Abbreviations
AEL - Allowance Equipage Lists
AFFF - Aqueous Film Forming Foam
AFSB - Afloat Forward Sea Base
AH6 - Attack Helicopter Model 6
Ao - Operational Availability
ATO - Authority to Operate
CBR - Chemical, Biological, and Radiological
CH47 - Cargo Helicopter Model 47
CV22 - Cargo Fixed Wing Helicopter Model 22
DAA - Designated Accrediting Authority
DC - Damage Control

DCS-M - Dry Combat Submersible Medium
DoD - Department of Defense
DoDAF - Department of Defense Architecture Framework
ESD - Expeditionary Transfer Dock
gal - Gallon(s)
GESP - GIG Enterprise Service Profile
GIG - Global Information Grid
IA - Information Assurance
IATO - Interim Authority to Operate
IEA - Information Enterprise Architecture
IP - Internet Protocol
ISU - International Standard Unit
IT - Information Technology
JP - Jet Propellant
JTRS - Joint Tactical Radio System
LCAC - Landing Craft Air Cushion
LOS - Line Of Sight
M - Meter
MH53E - Multi-mission Helicopter Model 53E
MH60 - Multi-mission Helicopter Model 60
min - Minute(s)
MK - Mark
MLP - Mobile Landing Platform
MOGAS - Mobility Gasoline
MSC - Military Sealift Command
NSE - Naval Support Elements
PPE - Personal Protective Equipment
RHIB - Rigid Hull Inflatable Boat
s - Second(s)
S/W - Space and Weight
SAASM - Selective Availability Anti-Spoofing Module
SATCOM - Satellite Communications
sq. ft. - Square Feet
TEU - Twenty Foot Equivalent Unit
TV-1 - Technical Standards Profile
USMC - Unites States Marine Corp

Performance Deviation Explanation

None

(U) Acquisition Budget Estimate

(U) Total Acquisition Estimates and Quantities

Category ($M) Base Year: 2011	Production APB (Current) 2/5/2019 CY$ obs Objective / Threshold		Current Estimate PB 2025 CY$ obs / TY$ obs	
RDT&E	112.0	123.3	117.5	121.3
Procurement	4,416.9	4,940.7	4,314.5	5,133.9
MILCON	0.0	0.0	0.0	0.0
O&M	0.0	0.0	0.0	0.0
R&MF	-	-	-	-
Total Acquisition	4,528.9	-	4,432.0	5,255.2
Program Acquisition Unit Cost	566.112	632.995	554.003	656.901
Average Procurement Unit Cost	552.112	617.582	539.313	641.738
Program End-Item Quantity				
Development	0		-	
Procurement	8		8	
O&M-Acquired	-		-	

Budget Notes

The Department requested $107.4 million in FY 2023 funds to reflect revised economic assumptions in accordance with the General Provision Section 8121 of the Department of Defense Appropriations Act, 2023.

Quantity Notes

None

Cost Baseline Deviation Explanation

None

(U) Risk and Sensitivity Analysis

Current Procurement Estimate Risks (12/31/2023)
None
Current Baseline Risks (2/5/2019)
(1) Current baseline estimate equals original baseline estimate. The Acquisition Schedule risk is the main driver of risk in the ESB cost estimate. (2) ESB 6 - 8 Acquisition Schedule Risk.
Original Baseline Risks (2/5/2019)

(1) Current baseline estimate equals original baseline estimate. The Acquisition Schedule risk is the main driver of risk in the ESB cost estimate. (2) ESB 6 - 8 Acquisition Schedule Risk.

(U) Unit Costs

(U) Current Estimate Compared with Current Baseline

Category (CY$M) Base Year: 2011	Current Baseline 02/05/2019	Current Estimate PB 2025	% Change
Program Acquisition Unit Cost			
Acquisition Cost	4,528.9	4,432.0	
Program Quantity	8	8	
PAUC	566.112	554.003	-2.14%
Average Procurement Unit Cost			
Procurement Cost	4,416.9	4,314.5	
Procurement Quantity	8	8	
APUC	552.112	539.313	-2.32%

(U) Current Estimate Compared with Original Baseline

Category (CY$M) Base Year: 2011	Original Baseline 02/05/2019	Current Estimate PB 2025	% Change
Program Acquisition Unit Cost			
Acquisition Cost	4,528.9	4,432.0	
Program Quantity	8	8	
PAUC	566.112	554.003	-2.14%
Average Procurement Unit Cost			
Procurement Cost	4,416.9	4,314.5	
Procurement Quantity	8	8	
APUC	552.112	539.313	-2.32%

Notes

None

(U) Life-Cycle Costs

(U) Operating and Support and Disposal Cost Estimates Compared with Baseline

Category ($M) Base Year: 2011	Production APB (Current) 2/5/2019 CY$ obs Objective / Threshold		Current Estimate CY$ obs / TY$ obs	
Total O&S	9,649.9	10,614.9	10,406.4	20,001.1
Total Disposal	-	-	-	-

(U) Current Cost Estimate Sources

Operating and Support Cost
Type: Program Office Estimate
Approved by: PMO, April 04, 2024

Disposal/Demilitarization Cost
Type: No estimate. To Be Determined

Operating and Support Baseline Deviation Explanation

None

Cost Notes

Please see PB25 MSAR Supplement for all data relative to this MSAR section.

(U) Operating and Support Variance with Prior Estimate

No Data

(U) Operating and Support Cost Element Structure Estimates by Acquired System

(CY$M) Base Year: 2011								
System	Unit-Level Manpower	Unit Operations	Maintenance	Sustaining Support	Continuing System Improvements	Other	Indirect Support	Total
ESB	3,964.4	2,725.5	2,230.0	440.5	165.2	-	881.0	10,406.4
Program	3,964.4	2,725.5	2,230.0	440.5	165.2	0.0	881.0	10,406.4

(U) Annual Operating and Support Costs per Unit Compared with Antecedent System

(CY$M) Base Year: 2011

System	Unit-Level Manpower	Unit Operations	Maintenance	Sustaining Support	Continuing System Improvements	Other	Total
ESB	14.3	9.9	8.1	1.6	0.6	3.2	**37.8**

(U) Operating and Support Cost Estimate Assumptions

System	Quantity to Sustain	Unit Expected Service Life (Years)	Unit of Measure	Fiscal Years Operational
ESB	8	40.0	1 ship	2014 - 2066

Additional O&S Estimate Assumptions

None

Antecedent Estimate Assumptions

None

O&S Annual Cost Calculation Memo

None

(U) Performing Activities and Contracts

(U) External Government Activities

None

(U) Contracts and Efforts

Contract Title	Contract Number / Effort	Contractor	Phase
Expeditionary Sea Base (ESB)	N00024-19-C-2235 / 6	NASSCO—General Dynamics National Steel and Shipbuilding Company	Production
Expeditionary Sea Base (ESB)	N00024-19-C-2235 / 7	NASSCO—General Dynamics National Steel and Shipbuilding Company	Production
Expeditionary Sea Base (ESB)	N00024-19-C-2235 / 8	NASSCO—General Dynamics National Steel and Shipbuilding Company	Production

(U) Contract and Effort Identification, Price, Quantity and Performance

Contract Number:	N00024-19-C-2235	**Order Number:**	-
Contract Title:	Expeditionary Sea Base (ESB)	**Strategy:**	-
CAGE:	- - NASSCO—General Dynamics National Steel and Shipbuilding Company	**Contracting Office:**	-
City, State/Province:	San Diego, CA		
Effort Number:	6	**Supported Phase:**	Production
Type:	Fixed-Price Incentive (Firm Target)	**Award Date:**	August 23, 2019
Latest Modification Date:	February 23, 2024	**Definitization Date:**	August 23, 2019
Latest Modification No.:	P00018	**Work Start Date:**	-
Technical Data Rights:	-		
Notes:	In accordance with Section 830(a)(2) of the FY 2020 National Defense Authorization Act, which requires a SAR to be submitted in unclassified form without any designation relating to dissemination control this SAR section has omitted information that is CUI. The Basic Construction Costs category in the budget exhibit includes additional costs. required to validate and deliver a fully capable ship to the Navy that are not part of nor included in the shipbuilder contract target price.		

Initial Price (TY$M) Target / Ceiling		Current Price (TY$M) Target / Ceiling		Estimate at Completion (TY$M) Contractor / PM		Initial Quantity	Current Quantity	Delivered Quantity
539.5	568.4	561.9	592.2	-	-	1	1	1

(U) Contract and Effort Identification, Price, Quantity and Performance

Contract Number:	N00024-19-C-2235	**Order Number:**	-

Contract Title:	Expeditionary Sea Base (ESB)	**Strategy:**	-
CAGE:	- - NASSCO—General Dynamics National Steel and Shipbuilding Company	**Contracting Office:**	-
City, State/Province:	San Diego, CA		
Effort Number:	7	**Supported Phase:**	Production
Type:	Fixed-Price Incentive (Firm Target)	**Award Date:**	August 23, 2019
Latest Modification Date:	February 23, 2024	**Definitization Date:**	August 23, 2019
Latest Modification No.:	P00018	**Work Start Date:**	-
Technical Data Rights:	-		

Notes: In accordance with Section 830(a)(2) of the FY 2020 National Defense Authorization Act, which requires a SAR to be submitted in unclassified form without any designation relating to dissemination control this SAR section has omitted information that is CUI. The Basic Construction Costs category in the budget exhibit includes additional costs.required to validate and deliver a fully capable ship to the Navy that are not part of nor included in the shipbuilder contract target price.

Initial Price (TY$M) Target / Ceiling		Current Price (TY$M) Target / Ceiling		Estimate at Completion (TY$M) Contractor / PM		Initial Quantity	Current Quantity	Delivered Quantity
550.6	580.6	555.2	585.0	-	-	1	1	-

(U) Contract and Effort Identification, Price, Quantity and Performance

Contract Number:	N00024-19-C-2235	**Order Number:**	-
Contract Title:	Expeditionary Sea Base (ESB)	**Strategy:**	-
CAGE:	- - NASSCO—General Dynamics National Steel and Shipbuilding Company	**Contracting Office:**	-
City, State/Province:	-		
Effort Number:	8	**Supported Phase:**	Production
Type:	Fixed-Price Incentive (Firm Target)	**Award Date:**	August 4, 2022
Latest Modification Date:	February 23, 2024	**Definitization Date:**	August 4, 2022
Latest Modification No.:	P00018	**Work Start Date:**	-
Technical Data Rights:	-		

Notes: In accordance with Section 830(a)(2) of the FY 2020 National Defense Authorization Act, which requires a SAR to be submitted in unclassified form without any designation relating to dissemination control this SAR section has omitted information that is CUI. The Basic Construction Costs category in the budget exhibit includes additional costs.required to validate and deliver a fully capable ship to the Navy that are not part of nor included in the shipbuilder contract target price.

Initial Price (TY$M) Target / Ceiling		Current Price (TY$M) Target / Ceiling		Estimate at Completion (TY$M) Contractor / PM		Initial Quantity	Current Quantity	Delivered Quantity
635.0	680.6	635.9	681.5	-	-	1	1	-

(U) Deliveries and Expenditures

(U) Acquisition Funding

	Total Estimate	Actual to Date	Actual, Percent Complete
Years Appropriated	19	17	89.5%
Appropriations (TY, $M)	5,255.2	5,223.8	99.4%
Expenditures (TY, $M)	5,255.2	5,003.7	95.2%

(U) End Items Delivered

	Total Required	Planned to Date	Actual to Date	Actual, Percent Complete
Procurement	8			
ESB		6	6	
Total	**8**	**6**	**6**	**75.0%**

Notes

None

(U) International Program Aspects

General Memo

None

Exportability and Business Issues

N/A

Is design for international exportability planned?	No	**Industry/Partner Exportability Cost-Sharing?**	No
If not, has the MDA approved an exportability waiver for a U.S.-only design?	Not Applicable		

Program Protection: Technology Security and Foreign Disclosure Issues

N/A

(U) Agreements

No International Agreements have been defined for ESB

Modernized Selected Acquisition Report Supplement

Expeditionary Sea Base (ESB)

FY 2025 President's Budget
As of: December 31, 2023

MSAR Supplement Sections

Program Description

Program Use of the Adaptive Acquisition Framework

Technologies and Systems Engineering

Funding Sources (Acquisition)

Funding Sources (Operating and Support)

Acquisition Estimate and Quantity Summary

Annual Acquisition Estimates by Appropriation Account

Acquired System Annual End-Item Quantities by Appropriation Account

Nuclear Costs

Operational Fielding Plan

O&S Independent Cost Estimate

Annual Operating and Support Estimates by Cost Element

Program Description

Full Name
Expeditionary Sea Base

Short Name
ESB

PNO
335

Lead Component
Navy

AAF Pathway
MCA

Acquisition Type
MDAP

Acquired Systems
ESB

Related Programs

Full Name	PNO	Pathway	Type	ACAT/ BCAT	Acquisition Status	Costs in SAR? Acq	Costs in SAR? O&S

Program Use of the Adaptive Acquisition Framework

This acquisition is accomplished by a single program in the Major Capability Acquisition Pathway.

Technologies and Systems Engineering

Expeditionary Sea Base

Major Software Efforts

Title	Status	Fielding Date	Description

Major Engineering Changes

Title	Original Need Date	Fielding Date	Description, Rationale and Program Impacts

Funding Sources (Acquisition)

Acquisition Funding Notes

None

Expeditionary Sea Base

Category	Account	BA	Line Item	Program Element	RDT&E Project	Shared	Sunk
RDT&E	1319N	05	0604567N - Ship Contract Design/ Live Fire T&E	0604567N	1803 - Ship Contract Design		
Procurement	1611N	03	3039 - Expeditionary Sea Base (ESB)	0204411N	-		
Procurement	1611N	05	5110 - Outfitting	0204411N	-	x	
Procurement	1611N	05	5300 - Completion of PY Shipbuilding Programs	0204411N	-	x	x
RDT&E	1319N	XX	OTHER - Other or New 1319N Line Item	XXX	XXX - --		
Note: BA: 05, PE: 0604567N, Proj: 3374, Shared: , Sunk: x							
R&MF	4557N	04	0900 - Research And Development	0408042N	-		x
R&MF	4557N	01	0401 - MPF MLP	0408042N	-		x
R&MF	4557N	01	5000 - Post Delivery and Outfitting	0408042N	-	x	x

Funding Sources (Operating and Support)

Note: Budget lines fund activites executed by the Program Office or Sustainment Office.

Operating and Support Funding Notes

None

Expeditionary Sea Base

Category	Account	BA	Line Item	Program Element	RDT&E Project	Shared	Sunk

Acquisition Estimate and Quantity Summary

Expeditionary Sea Base

Acquisiton Estimates

Category	PB 2025	TY ($M)	Current Base Year CY2011 ($M)	Original Base Year CY2011 ($M)	Report Fiscal Year CY2024 ($M)
RDT&E		121.3	117.6	117.6	160.1
Procurement		5,133.9	4,314.5	4,314.5	5,874.9
MILCON		-	-	-	-
O&M		-	-	-	-
Total Acquisition		5,255.3	4,432.2	4,432.2	6,035.1
PAUC		656.906	554.020	554.020	754.385
APUC		641.742	539.319	539.319	734.366

Acquisiton End-Item Quantities

System	PB 2025	Development	Procurement
ESB		-	8
Total		**-**	**8**

Unit Description

Ship

Current and Future Years Defense Program Summary, TY($M)

Appropriation	Prior	2024	2025	2026	2027	2028	2029	To Complete	Total
RDT&E	121.3	-	-	-	-	-	-	-	121.3
Procurement	5,093.4	8.6	12.8	11.4	7.7	-	-	-	5,133.9
MILCON	-	-	-	-	-	-	-	-	-
O&M	-	-	-	-	-	-	-	-	-
PB 2025 Total	**5,214.7**	**8.6**	**12.8**	**11.4**	**7.7**	**-**	**-**	**-**	**5,255.3**

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

Expeditionary Sea Base

Source for TY$-CY$ Conversion: ASN FMB-6 Inflation Rates and Outlay Factors for DA, DoN and DW accounts: 17 Jan 2024

1319N - Research, Development, Test & Eval, Navy					
fiscal year		Other/ Unallocated	Total TY($M)	Weighted Rate	Total CY2011 ($M)
Total		**16.4**	**16.4**	**-**	**14.5**
2008			-	0.968385	-
2009			-	0.980819	-
2010			-	0.995531	-
2011			-	1.019301	-
2012		8.000	8.0	1.036206	7.7
2013			-	1.047087	-
2014			-	1.061882	-
2015			-	1.075243	-
2016			-	1.095200	-
2017		0.680	0.7	1.115691	0.6
2018		0.450	0.5	1.143020	0.4
2019			-	1.165034	-
2020			-	1.207877	-
2021		7.240	7.2	1.262164	5.7

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

Expeditionary Sea Base

Source for TY$-CY$ Conversion: NDSF

1319N - Research, Development, Test & Eval, Navy					
fiscal year		Other/ Unallocated	Total TY($M)	Weighted Rate	Total CY2011 ($M)
Total		**104.9**	**104.9**	**-**	**103.2**
2008		18.081	18.1	0.973708	18.6
2009		12.900	12.9	0.987148	13.1
2010		32.700	32.7	0.999010	32.7
2011		3.477	3.5	1.021812	3.4
2012		4.928	4.9	1.038180	4.7
2013		3.952	4.0	1.053373	3.8
2014		18.681	18.7	1.068479	17.5
2015		8.454	8.5	1.083746	7.8
2016		1.768	1.8	1.107798	1.6

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

Expeditionary Sea Base

Source for TY$-CY$ Conversion: ASN FMB-6 Inflation Rates and Outlay Factors for DA, DoN and DW accounts: 17 Jan 2024

1611N (BLS Hist) - Shipbuilding and Conversion, Navy									
fiscal year	End Item Recurring Flyaway	Non-End Item Recurring Flyaway	Non-Recurring Flyaway	Initial Spares	Depot Activation	Other/ Unallocated	Total TY($M)	Weighted Rate	Total CY2011 ($M)
Total	**3,319.7**	**-**	**-**	**-**	**-**	**158.3**	**3,478.0**	**-**	**2,707.1**
2008							-	0.971557	-
2009							-	1.001279	-
2010							-	1.036066	-
2011							-	1.070054	-
2012							-	1.094602	-
2013							-	1.117495	-
2014	603.300						603.3	1.140124	529.2
2015						17.300	17.3	1.166401	14.8
2016	638.960						639.0	1.196229	534.1
2017						13.340	13.3	1.230543	10.8
2018	635.000					11.470	646.5	1.270627	508.8
2019	647.000					10.112	657.1	1.317906	498.6
2020	38.000					11.560	49.6	1.372212	36.1
2021	73.000					15.170	88.2	1.427692	61.8
2022	577.000					15.450	592.5	1.477544	401.0
2023	107.400					23.405	130.8	1.512313	86.5
2024						8.595	8.6	1.544756	5.6
2025						12.777	12.8	1.577253	8.1
2026						11.431	11.4	1.610375	7.1
2027						7.712	7.7	1.644193	4.7

Annual Acquisition Estimates by Appropriation Account

(Aligned to Budget Position: PB 2025)

Expeditionary Sea Base

Source for TY$-CY$ Conversion: NDSF

1611N (BLS Hist) - Shipbuilding and Conversion, Navy									
fiscal year	End Item Recurring Flyaway	Non-End Item Recurring Flyaway	Non-Recurring Flyaway	Initial Spares	Depot Activation	Other/ Unallocated	Total TY($M)	Weighted Rate	Total CY2011 ($M)
Total	**1,551.7**	**-**	**-**	**-**	**-**	**104.3**	**1,656.0**	**-**	**1,607.4**
2008							-	0.973708	-
2009							-	0.987148	-
2010	119.702						119.7	0.999010	119.8
2011	874.851						874.9	1.021812	856.2
2012	386.000					6.184	392.2	1.038180	377.8
2013	148.515					32.050	180.6	1.053373	171.4
2014	22.617					33.282	55.9	1.068479	52.3
2015						17.300	17.3	1.083746	16.0
2016						15.456	15.5	1.107798	14.0

Acquired System Annual End-Item Quantities by Appropriation Account

(Aligned to Budget Position: PB 2025)

Expeditionary Sea Base

1611N (BLS Hist) - Shipbuilding and Conversion, Navy				
fiscal year	ESB			Total
Total	**8**			**8**
Undistributed				-
2011	2			2
2012	1			1
2013				-
2014	1			1
2015				-
2016	1			1
2017				-
2018	1			1
2019	1			1
2020				-
2021				-
2022	1			1

Nuclear Costs

Expeditionary Sea Base

Program's Use of Department of Energy Resources

None

Operational Fielding Plan

Expeditionary Sea Base

System: ESB

Fielding and Inventory Notes
None

ESB Fielding Plan and Inventory

fiscal year	Store	Field	Expend/Loss	Decommission	Inventory
2023					6
2024					6
2025		1			7
2026		1			8
2027					8
2028					8
2029					8

O&S Independent Cost Estimate

Expeditionary Sea Base

Independent and Current Cost Estimate Comparison

Category CY2011 ($M)	Independent Cost Estimate 3/4/2021	Current Estimate 4/4/2024	Variance with ICE (%)
Unit-Level Manpower	3,964.4	3,964.4	0%
Unit Operations	2,725.5	2,725.5	0%
Maintenance	2,230.0	2,230.0	0%
Sustaining Support	440.5	440.5	0%
Continued System Improvements	165.2	165.2	0%
Other	881.0	881.0	0%
Total O&S	**10,406.4**	**10,406.4**	**0%**

Independent Cost Estimate Source

Event: PB24 SAR
Type: Independent Cost Estimate
Approved by: 05C, March 4, 2021

Current Cost Estimate Source

Type: Program Office Estimate
Approved by: Program Office, April 4, 2024

Cost Estimate Variance Explanation

No variance

Annual Operating and Support Estimates by Cost Element

Expeditionary Sea Base

System: ESB

Source for TY-CY Conversion:

Operating and Support Cost Elements							
fiscal year	1.0 Unit-Level Manpower	2.0 Unit Operations	3.0 Maintenance	4.0 Sustaining Support	5.0 Continuing System Improvements	Other	Total CY2011 ($M)
Total	**3,964.4**	**2,725.5**	**2,230.0**	**440.5**	**165.2**	**881.0**	**10,406.4**
2014	3.590	2.468	2.019	0.399	0.150	0.798	9.4
2015	15.171	10.430	8.534	1.686	0.632	3.371	39.8
2016	27.968	19.228	15.732	3.108	1.165	6.215	73.4
2017	38.667	26.583	21.750	4.296	1.611	8.593	101.5
2018	43.473	29.888	24.454	4.830	1.811	9.661	114.1
2019	54.171	37.243	30.471	6.019	2.257	12.038	142.2
2020	58.978	40.547	33.175	6.553	2.457	13.106	154.8
2021	69.676	47.902	39.193	7.742	2.903	15.484	182.9
2022	69.676	47.902	39.193	7.742	2.903	15.484	182.9
2023	74.483	51.207	41.897	8.276	3.103	16.552	195.5
2024	85.181	58.562	47.914	9.465	3.549	18.929	223.6
2025	89.987	61.866	50.618	9.999	3.749	19.997	236.2
2026	85.867	59.033	48.300	9.541	3.578	19.081	225.4
2027	82.330	56.602	46.311	9.148	3.430	18.296	216.1
2028	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2029	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2030	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2031	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2032	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2033	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2034	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2035	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2036	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2037	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2038	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2039	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2040	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2041	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2042	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2043	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2044	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2045	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2046	93.029	63.957	52.329	10.337	3.876	20.673	244.2

System: ESB

Source for TY-CY Conversion:

Operating and Support Cost Elements							
fiscal year	1.0 Unit-Level Manpower	2.0 Unit Operations	3.0 Maintenance	4.0 Sustaining Support	5.0 Continuing System Improvements	Other	Total CY2011 ($M)
2047	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2048	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2049	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2050	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2051	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2052	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2053	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2054	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2055	93.029	63.957	52.329	10.337	3.876	20.673	244.2
2056	88.222	60.653	49.625	9.802	3.676	19.605	231.6
2057	77.524	53.298	43.607	8.614	3.230	17.228	203.5
2058	72.717	49.993	40.904	8.080	3.030	16.159	190.9
2059	62.019	42.638	34.886	6.891	2.584	13.782	162.8
2060	57.213	39.334	32.182	6.357	2.384	12.714	150.2
2061	46.514	31.979	26.164	5.168	1.938	10.337	122.1
2062	46.514	31.979	26.164	5.168	1.938	10.337	122.1
2063	41.708	28.674	23.461	4.634	1.738	9.268	109.5
2064	31.010	21.319	17.443	3.446	1.292	6.891	81.4
2065	26.203	18.015	14.739	2.911	1.092	5.823	68.8
2066	10.698	7.355	6.018	1.189	0.446	2.377	28.1