



# DEFENSE LOGISTICS AGENCY

THE NATION'S COMBAT LOGISTICS SUPPORT AGENCY



## Maritime Future Requirements 2018 Suppliers Conference

DLA Land and Maritime  
June 19, 2018





# Welcome



## Future Requirement Overview

- Optempo/Resources
- CNO's Navy Mission, Vision, and Priorities
- Shaping the Fleet
- Supporting the Strategy



# High OPTEMPO / Few Resources



Status of the Navy as of 8 June 2018

## Deployable Battle Force Ships: 283

- Deployed Battle Force Across the Fleet Including Forward Deployed Submarines: 89
- Deployed Ships Underway: 45 (16%)
- Ships Underway for Local Ops / Training: 26 (9%)

## Aircraft Carriers Underway:

- USS Harry S. Truman (CVN 75) - 6th Fleet
- USS Ronald Reagan (CVN 76) - Pacific
- USS George H.W. Bush (CVN 77) - Atlantic

## Amphibious Assault Ships Underway:

- USS Essex (LHD 2) - Pacific
- USS Iwo Jima (LHD 7) - 5th Fleet

**Aircraft (operational): 3700+**





# CNO's Navy Mission, Vision, and Priorities



# CNO's Navy Mission, Vision, and Priorities



- **Mission:** The Department of the Navy will recruit, train, equip, and organize to deliver combat ready Naval forces to win conflicts and wars while maintaining security and deterrence through sustained forward presence.
- **Vision:** We are an integrated Naval force that will provide maritime dominance for the Nation. To accomplish this in the face of current and emerging challenges, we must renew our sense of urgency and speed of execution throughout the entire organization. Our core values and accountability at the individual and organizational levels will shape our culture and guide our actions.
- **Priorities:** Our priorities center on People, Capabilities, and **Processes**, and will be achieved by our focus on speed, **value**, results, and **partnerships**. Readiness, lethality, and modernization are the requirements driving these priorities.



# CNO's Core Priorities



**People** - Our military and civilian workforce is our greatest resource.

- Enhance the performance of our force by improving policies, programs, and training.
- Capitalize on best talent today, retain that talent over the long term, and find ways to continue to recruit the best people for the mission of the future.
- Our military and civilian team will be measured against the highest ethical standards for every task and mission.

**Capabilities** - We will be capable of providing maritime dominance and power projection required by the Nation.

- The organization will focus on training, modernization, and maintenance in order to achieve a high state of readiness and enhanced lethality, now and in the future.

**Processes** - Improve our processes in order for our people to meet future challenges.

- We will drive efficiency, adopt and implement new ideas, and leverage leading practices from industry and academia to positively impact and support acquisition, manpower, research, and operational processes.

**Actions across these priorities will ensure mission success today and in the future.**



# Shaping the Fleet



# A Cooperative Strategy for 21st Century Seapower



**Seapower in Support of National Security:** Naval forces are aligned to accomplish their missions through five essential functions:

All Domain Access	Deterrence	Sea Control	Power Projection	Maritime Security
<ul style="list-style-type: none"> <li>• Surveillance &amp; Reconnaissance</li> <li>• Command &amp; Control (C2)</li> <li>• Cyber</li> </ul>	<ul style="list-style-type: none"> <li>• Trident submarine (SSBN)</li> <li>• Carrier Strike Group (CSG)</li> </ul>	<ul style="list-style-type: none"> <li>• Cruisers</li> <li>• Destroyers</li> <li>• Fast attack submarines</li> </ul>	<ul style="list-style-type: none"> <li>• Carrier Strike Group (CSG)</li> <li>• Amphibious Readiness Group (ARG)</li> </ul>	<ul style="list-style-type: none"> <li>• Cruisers</li> <li>• Destroyers</li> <li>• Littoral Combat Ship (LCS)</li> </ul>

**Force Design:** Building a Fleet of 355 ships is now national policy per President Trump’s signing of the 2018 National Defense Authorization Act.

- Balanced force of submarines, aircraft carriers, amphibious ships and surface combatants: Multi-mission capabilities
- Control lifecycle costs: Open Systems Architecture
- Plan and balance acquisition and maintenance to insure viability of industrial base

**Develop and sustain product lines that support these systems, the Navy’s contribution to the fight relies on these capabilities.**





# The National Fleet Plan

## Charter

1. Achieve commonality and interoperability for 21<sup>st</sup> century maritime and naval operations
2. Translate strategic direction into actionable lines of effort

## Integrated Logistics

Current State	Future State
<ul style="list-style-type: none"> <li>• <b>Identify commonality of spares</b> <ul style="list-style-type: none"> <li>– USCG National Security Cutter (NSC) and USN Littoral Combat Ship (LCS)</li> <li>– Offshore Patrol Cutter (OPC) and Joint High Speed Vessel (JHSV)</li> </ul> </li> <li>• <b>Utilize DLA as a responsive and cost effective source of supply</b></li> <li>• <b>Coordinate maintenance and readiness sustainment work</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Synchronize logistics innovation efforts</b> <ul style="list-style-type: none"> <li>– Additive manufacturing</li> <li>– Autonomous platform technologies</li> <li>– Alternative platforms</li> </ul> </li> <li>• <b>Common maintenance support contracts for LCS/NSC/OPC</b></li> <li>• <b>Share Depot Level Repairables (DLR) inventory between services</b></li> </ul>

**Increasing Operational Tempo:  
Robust and integrated logistics is a force multiplier**



# Supporting the Strategy



# Virginia Class Submarines



## Class Overview

- **Newest Class of Submarines**
  - 15 active, 6 under construction – 2 delivering 2018, 2 in 2019 and 2 in 2020; 2 authorized in a planned 30 boat class
- **Replaces Los Angeles Class**
- **4 major maintenance availabilities per boat**
  - 3 Extended Docking Select Restricted Availabilities (EDSRA)
  - 1 Depot Modernization Period (DMP)

<b>On the Horizon</b>	<ul style="list-style-type: none"> <li>• First DMP occurring within the next year</li> <li>• Much larger in scope than EDSRAs             <ul style="list-style-type: none"> <li>– <i>More detailed level of inspection and repair</i></li> </ul> </li> <li>• Anticipate demand for material not previously procured</li> <li>• Four boats currently in EDSRA's</li> </ul>
<b>Future State</b>	<ul style="list-style-type: none"> <li>• Reduction of major maintenance availabilities from 4 to 3</li> <li>• Incorporation of Virginia Payload Module</li> <li>• Potential for additional boats</li> </ul>

Top FSCs by Order Volume (Annual)	
FSC	Requisitions
5331 (O-Rings)	6,330
5330 (Packing & Gaskets)	5,524
5310 (Nuts & Washers)	2,249
4820 (Non powered Valves)	2201
5305 (Screws)	2,021



# Littoral Combat Ship



## Class Overview

### • Newest Surface Combatant

- 32 ships awarded and funded, 11 delivered with 5 more delivering 2018, 4 in 2019 and 4 in 2020; Two variants / hulls – Freedom and Independence Class
- Modular, reconfigurable warships that can be fitted with interchangeable mission packages providing specific capabilities for surface warfare (SUW), anti-submarine warfare (ASW), and mine countermeasures (MCM) missions

### On the Horizon

- Robust shipbuilding
  - *Four scheduled to deliver per year*
- Increased deployment presence as additional ships are delivered

### Future State

- Navy's plan for achieving and maintaining a force of 52 small surface combatants (SSC's)
  - 32 LCS
  - 20 Frigates FFG(X)
    - *Upgraded design based on LCS*
    - *Improved capability, lethality and survivability*

### Top FSCs by Order Volume (Annual)

FSC	Requisitions
8030 (Preservative and Sealing Compounds)	1,992
5331 (O-rings)	436
5910 (Capacitors)	320
5920 (Fuses, Arrestors, Absorbers & Protectors)	258
6850 (Misc. Chemical Specialties)	252



# Arleigh Burke Class Destroyers



## Class Overview

- **Established Class**
  - 65 active, 8 under construction - 2 delivering 2018, 2 in 2019 and 2 in 2020; 4 authorized; Three variants – Flight I, II and IIA
- **Mature Modernization Program**
  - Mid-life upgrades to HM&E and combat systems suites
  - Extends service life to 35 years or greater
  - Funding constraints impacting combat systems upgrades

<b>On the Horizon</b>	<ul style="list-style-type: none"> <li>• Procurement of Flight III variant           <ul style="list-style-type: none"> <li>– <i>Replace existing SPY-1D radar with SPY-6 Air and Missile Defense Radar (AMDR)</i></li> <li>– <i>Extensive configuration changes required to support radar</i></li> <li>– <i>Navy plans to procure 22 Flight III variants over 10 years</i></li> </ul> </li> </ul>
<b>Future State</b>	<ul style="list-style-type: none"> <li>• Continued mid-life modernization of youngest ships and decommissioning of the oldest</li> <li>• Identify a replacement that can assume the CSG air defense commander role</li> </ul>

<b>Top FSCs by Order Volume (Annual)</b>	
<u>FSC</u>	<u>Requisitions</u>
5330 <small>(Packing and Gasket Material)</small>	18,413
5331 <small>(O-rings)</small>	17,686
4820 <small>(Valves, Nonpowered)</small>	14,590
5930 <small>(Switches)</small>	10,358
6240 <small>(Electric Lamps)</small>	8,476



# Ticonderoga Class Cruisers



## Class Overview

- **Aging Class**
  - 22 active ships
  - No longer in production - last cruiser delivered in 1994
- **Mature Modernization Program**
  - Mid-life upgrades to HM&E and combat systems suites
  - Extends service life to 35 years or greater
  - 11 (7 partial-MODs) of 22 to be modernized under a “2/4/6” Plan (no more than 2 CGs/yr - no greater than 4/yr in layup/No > 6 CGs in MOD at one time)

<p><b>On the Horizon</b></p>	<ul style="list-style-type: none"> <li>• Modernization of remaining hulls           <ul style="list-style-type: none"> <li>– <i>One-for-one BMD requirement</i></li> </ul> </li> <li>• Decommissioning           <ul style="list-style-type: none"> <li>– <i>CG-52 scheduled to decommission in 2020</i></li> </ul> </li> </ul>
<p><b>Future State</b></p>	<ul style="list-style-type: none"> <li>• Continued mid-life modernization of youngest ships and decommissioning of the oldest</li> <li>• Identify a replacement that can assume the CSG air defense commander role</li> </ul>

Top FSCs by Order Volume (Annual)	
FSC	Requisitions
5330 (Packing and Gasket Material)	554
5935 (Connectors)	502
4820 (Valves, Nonpowered)	485
5930 (Switches)	423
5331 (O-Rings)	365



# Ballistic Missile Defense



## Class Overview

- **AEGIS Ballistic Missile Defense (ABMD) Afloat**
  - 34 ABMD surface combatants – 29 DDGs and 5 CGs
  - Software/hardware capability added to AEGIS combat systems suite
  - MDA and Navy working together to increase the number of BMD capable ships
- **AEGIS Ashore**
  - Designed to be removable to support world-wide deployment
  - Uses same components used on board AEGIS BMD DDGs

### On the Horizon

- Afloat
  - Increase number of BMD ships through modernization and new construction of BMD DDGs
- Ashore
  - Fixed land station installed in Poland in 2018 – infrastructure underway

### Future State

- Develop capability to engage longer range ballistic missiles
- Improve early intercept capability
- Facilitate more maritime ally involvement

### Top FSCs by Order Volume (Annual)

FSC	Requisitions
6240 (Electric Lamps)	1,640
5935 (Connectors)	1,240
5331 (O-Rings)	1,223
4820 (Valves, Nonpowered)	1,148
5930 (Switches)	1,065



# Industrial Support



## Chief of Naval Operations (CNO) Maintenance Availabilities

- Projected to continue to increase over the next 2 years

## Commander, Naval Regional Maintenance Center (CNRMC)

- Multi-Ship Multi-Option (MSMO) transition to Multiple Award, Multiple Option Contract (MACMO)

Shipyard Availabilities	2019	2020
<b>Norfolk Naval Shipyard</b>		
CVN	1	1
LA Class	2	1
SSBN	1	1
<b>Portsmouth Naval Shipyard</b>		
VA Class	3	3
LA Class	2	1
<b>Puget Sound Naval Shipyard</b>		
CVN	2	2
Seawolf Class	1	1
SSBN/SSGN	4/1	2/2
<b>Pearl Harbor Naval Shipyard</b>		
VA Class	1	1
LA Class	4	3





Questions?

