NAVSEA Organization

TIME: 1.5 HR

TOPIC LEARNING OBJECTIVES

Upon successful completion of this topic, the student will be able to:

1. Identify the primary mission and major functions of Naval Sea Systems Command (NAVSEA).
2. Recognize the functions performed by the major NAVSEA directorates and Program Executive Offices (PEOs).
3. Determine when Program Executive Officers (PEOs) report to NAVSEA and when they report to Assistant Secretary of the Navy (ASN) for Research Development and Acquisition (RD&A).
4. Recognize the differences between functional, project/product and matrix organizations.
5. Identify the organizational scheme used by NAVSEA and the PEOs.
6. Recognize the roles and responsibilities of the following: Ship Acquisition Program Manager (SHAPM), Participating Acquisition Resource Manager (PARM), Ship Life-cycle Manager (SLM), and Ship Program Manager (SPM).
7. Recognize the purpose of the Ship Project Directive (SPD).

STUDENT PREPARATION

Student Support Material

1. None

Primary References

1. NAVSEA Homepage (www.navsea.navy.mil)
2. OPNAVINST 5450.340 (series) (https://www.secnav.navy.mil/doni/opnav.aspx)

Additional References

1. NAVSEA Campaign Plan to Expand the Advantage 3.0 (https://www.navsea.navy.mil/Portals/103/Documents/Strategic%20Documents/NAVSEA_CampaignPlan3.0-Jan2021.pdf)
2. NAVSEA Command Directory (https://www.navsea.navy.mil/Portals/103/Documents/CommandDirectory.pdf)

Overview

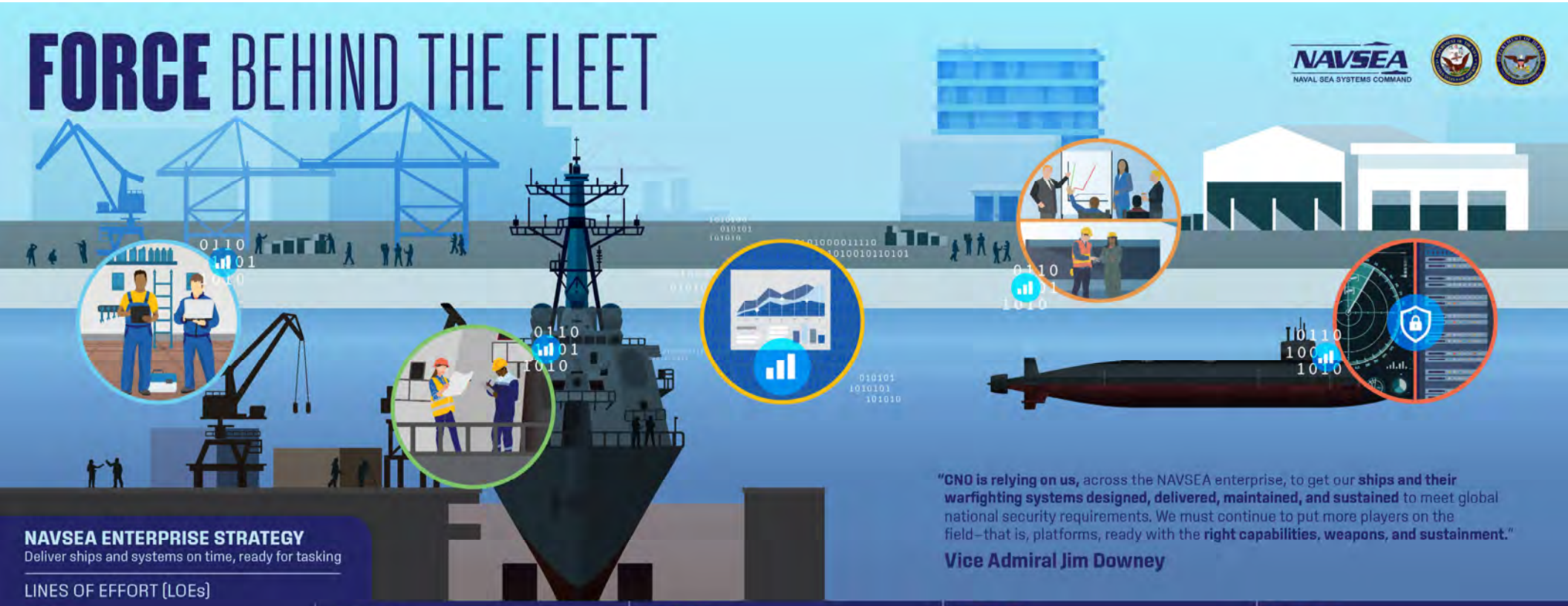
- Corporate overview
- Organizational management approaches
- Program management relationships
- NAVSEA directorates
- Program Executive Offices (PEOs)

Naval Sea Systems Command (NAVSEA)

- Mission
  - Design, build, deliver, and maintain ships, submarines and systems reliably, on-time and on-cost for the United States Navy
- Mission Priorities
  - Deliver combat power: on time delivery of combat ready ships, submarines, and systems
  - Transform digital capabilities
  - Build a team to compete and win
- Vision
  - “Expand the advantage”
  - The Nation’s team accountable for the health of its Navy
  - Purposefully operate to ensure the U.S. Navy can protect and defend America
  - Be supported by a modern, efficient industrial base
  - Be a world-class employer of choice that inspires innovation
  - Set the value-added standard for acquisition, engineering, business, and maintenance

FORCE BEHIND THE FLEET

NAVSEA
NAVAL SEA SYSTEMS COMMAND



"**CNO is relying on us,** across the NAVSEA enterprise, to get our **ships and their warfighting systems designed, delivered, maintained, and sustained** to meet global national security requirements. We must continue to put more players on the field–that is, platforms, ready with the **right capabilities, weapons, and sustainment.**"

Vice Admiral Jim Downey

NAVSEA ENTERPRISE STRATEGY

Deliver ships and systems on time, ready for tasking

LINES OF EFFORT (LOEs)

LOE 1
ACCELERATE FORCE GENERATION
Deliver Ships and Combat Systems

Ensure that NAVSEA's capabilities are fully operational and ready to support the fleet through a relentless focus on quality and on-time delivery. Partner with Industry to strengthen the industrial base and develop innovative solutions to warfighting needs.

We will measure:
- On-time delivery
- Quality

We will:
- Get more "players on the field"
- Meet construction schedule milestones
- Deliver ships on time, ready for tasking

NORTH STAR
Achieve shipbuilding rate to meet Navy's 30-year shipbuilding plan by 2030.

CNO PRIORITIES

WARFIGHTING
DELIVER DECISIVE COMBAT POWER

LOE 2
GENERATE READINESS
Maintain, Modernize, and Sustain Platforms

Ensure maintenance, modernization and sustainment of ships, submarines, and systems is completed on-time to maximize readiness and availability for fleet tasking. Partner with industry and implement proactive strategies to enhance lifecycle management.

We will measure:
- On-time delivery
- Operational Availability

We will:
- Reduce unplanned work, days of maintenance delays and delays in depot maintenance availabilities
- Improve and achieve on-time completion of work
- Improve adherence to set milestones

NORTH STAR
Achieve 80% combat surge ready by 2027.

WARFIGHTING
DELIVER DECISIVE COMBAT POWER

LOE 3
GENERATE, CAPTURE, AND USE DATA
Drive Innovation with Data

Enhance readiness through data integration and real-time analysis to deliver a decision-making advantage. Use innovative technologies and predictive analytics to improve efficiencies, identify risks and opportunities, and forecast performance.

We will measure:
- Data Availability
- Analytics-enabled Workforce

We will:
- Integrate data analytics at speed and scale
- Adopt a data-centric approach to make informed decisions
- Transform the organization's culture to be data-driven

NORTH STAR
Enterprise-wide integration of data, utilization of analytics, and adoption of AI by 2027.

WARFIGHTING
DELIVER DECISIVE COMBAT POWER

LOE 4
STRENGTHEN THE NAVY TEAM
Attract, Retain and Grow Our Workforce

Enhance the NAVSEA team by attracting, developing, and retaining a capable workforce. Ensure team members are equipped to effectively support the warfighter. Become one of the best places to work in the federal government.

We will measure:
- Fill Rate
- Attrition
- Development

We will:
- Embrace talent management
- Renew our commitment to technical competency and leadership development
- Establish and execute enterprise human capital strategy

NORTH STAR
Achieve a Global Satisfaction Index (GSI) score of 80 by 2027, becoming one of the best places to work in federal government.

WARFIGHTERS
STRENGTHEN THE NAVY TEAM

LOE 5
STRENGTHEN THE FOUNDATION
Enhance Critical Infrastructure

Create mission resiliency throughout our operations by building, deploying, and sustaining critical physical and digital infrastructure. Allocate the necessary resources to prioritized enhancements providing uninterrupted quality access and optimized throughput.

We will measure:
- Operational Availability
- On-time and On-budget Delivery
- Workforce Productivity

We will:
- Enhance digital and cyber capabilities
- Recapitalize facilities and equipment
- Optimize shipyard layout and functionality

NORTH STAR
Improve public maintenance efficiencies by at least 10% by 2030.

FOUNDATION
BUILD TRUST, ALIGN RESOURCES, BE READY

FORCE BEHIND THE FLEET

NAVSEA
NAVAL SEA SYSTEMS COMMAND

Vice Admiral Jim Downey
Commander

Mr. Chris Miller
Executive Director

CMDCM Blake Schimmel
Command Master Chief

Shipmates,

ADM Lisa Franchetti has set a North Star for the Navy in her *2024 Navigation Plan for America's Warfighting Navy*: **Readiness for sustained high-end joint and combined combat by 2027.** CNO is relying on us, across the NAVSEA enterprise, to get our ships and their warfighting systems designed, delivered, maintained, and sustained to meet global national security requirements. We must continue to put more players on the field–that is, platforms, ready with the right capabilities, weapons, and sustainment.

What does readiness look like for us? It means helping the Navy achieve and sustain 80 percent combat surge ready forces. It means that at any given time, in ideal circumstances, one third of our ships and attack submarines should be in maintenance, one third in training, and one third on or ready for deployment. To make this happen, CNO is asking us to think, act, and operate differently.

This charge to **accelerate readiness with a sense of urgency** is not new to NAVSEA. We have been working to get ahead of the readiness bow wave for some time, and we know firsthand that our teams are asking the right questions, identifying and solving the right problem sets, and applying critical thinking to drive innovation.

As an enterprise, we're seeing the fruits of significant investment in the Nation's industrial base and partnerships aimed at igniting growth in shipyard capacity and manufacturing. Within NAVSEA, we're making progress streamlining processes through problem solving, where we identify gaps and barriers and then implement high-impact actions to achieve measurable results. But, in this uncertain security environment, we must keep focused on improvement through self-assessment, self-correction, and continuous learning. We're proud that each one of you is contributing exceptional expertise toward making NAVSEA a transformative force, delivering the nation's fleet, ready for tasking.

As we continue our trajectory to improve readiness for a high-end fight, we have developed an enterprise strategy focused on those priorities that are most impactful to improving readiness outcomes. Specifically, we have five interconnected lines of effort all intended to better support our sailors and warfighters. NAVSEA's ability to drive achievements in each of these respective areas is what will collectively position us to deliver the capability and capacity our Navy needs. As we synchronize our lines of effort under the CNO's new strategic imperatives, please think about how you can help accelerate our acquisition and sustainment processes.

Navy leadership is looking at everything through a warfighting lens, and so must we. The time is now to increase the Navy's capability and capacity so we can be ready to surge effectively. The hour has never been more critical for us to perform at the top of our game. In CNO's words, ALL AHEAD FLANK! ...and remember: Never give up the ship!

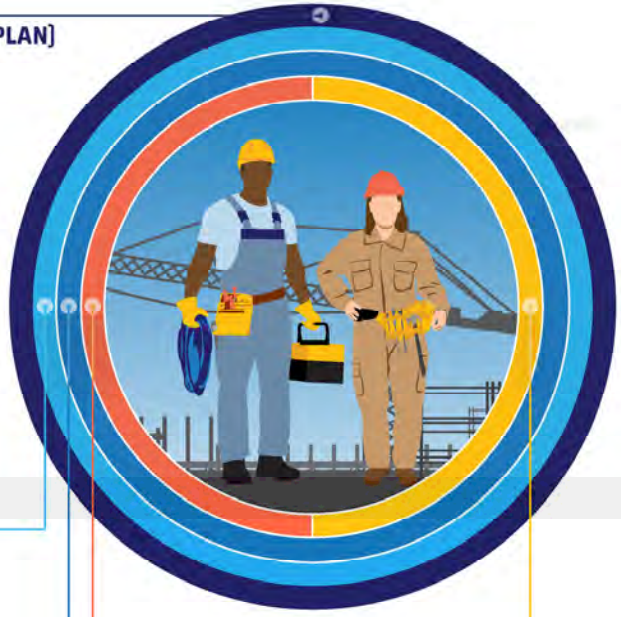
Chief of Naval Operations Navigation Plan (NAVPLAN)

OUR NORTH STAR: READINESS FOR SUSTAINED HIGH-END JOINT AND COMBINED COMBAT BY 2027.

- **Ready our Platforms:** Ready the force by eliminating ship, submarine, and aircraft maintenance delays.
- **Operationalize Robotic and Autonomous Systems:** Scale robotic and autonomous systems to integrate more platforms at speed.
- **Fight from the MOC:** Create the command centers our Fleets need to win in a distributed battle field.
- **Recruit and Retain Talent:** Recruit and retain the force we need to get more players on the field.
- **Restore Infrastructure:** Restore the critical infrastructure that sustains and projects the fight from shore; prioritize infrastructure directly supporting operational readiness in the Pacific.

"This Navigation Plan drives toward two strategic ends: readiness for the possibility of war with the People's Republic of China by 2027 and enhancing the Navy's long-term advantage."

Admiral Lisa M. Franchetti, Chief of Naval Operations



NAVSEA Enterprise Strategy

Accelerate readiness with a sense of urgency: We will put more players on the field–platforms that are ready with the right capabilities, weapons, and sustainment support.

Force Improvement Office (FIO)

The FIO at NAVSEA is designed to accelerate the Get Real, Get Better (GRGB) vision by enhancing our warfighting capabilities through:

- **Strengthening Foundational Excellence:** Establishing a strong base for continuous improvement
- **Building a Learning Environment:** Creating a culture where learning and growth are prioritized
- **Bringing People Together:** Fostering collaboration and unity across teams
- **Communicating with Scale:** Ensuring effective and widespread messaging
- **Measuring What Matters:** Capturing data and focusing on key metrics to drive performance and improvements

Get Real, Get Better (GRGB)

GRGB is a call to action to apply Navy-proven leadership and problem-solving best practices that empower our people to achieve exceptional performance.

We will establish, adopt, and sustain a culture of continuous improvement, empowering leaders to problem-solve, innovate, and execute solutions that enhance the delivery of warfighting capabilities and fosters growth within NAVSEA.

GRGB means:

- Collaborating
- Challenging the status quo
- Speaking up when you have an idea
- Setting realistic and positive goals for a healthy work-life balance
- Striving for excellence, everyday

Culture of Excellence (COE)

Nurture and encourage colleagues; build great leaders and teams, recognizing:

- Everyone is a Sailor, both officer and enlisted. Civilians are a critical part of the Navy team
- Our core values drive what we do
- Great leaders & teammates shape great work cultures, nurture the best in people, and recognize excellence
- Our people are tough and resilient–strong in mind, body, and spirit
- Our leaders demonstrate great character and competence
- Our teams are connected, collaborative, and inclusive

What NAVSEA Really Does…

- Major functions
  - Oversee core processes required for acquisition, in-service support, weapon systems, information technology, engineering systems, cybersecurity systems, demilitarization and disposal
    - Cost estimating
    - Technical development, technical readiness assessment
    - Systems engineering
    - Manufacturing
    - Integrated logistics systems
    - Maintenance and modernization
    - Comptroller, legal, business, contracting support services
  - Exercise technical and certification authority
- Assigned ships, weapons systems, and acquisition programs include:
  - Surface ships
  - Aircraft carriers
  - Submarines
  - Submersibles
  - Hull, Mechanical and Electrical (HM&E) systems
  - Combat Systems
  - Ordnance
  - Chemical, biological and radiological warfare defense materials and equipment
  - Equipage for towing and salvage

Primary mission: Life-cycle engineering of ships and ship systems

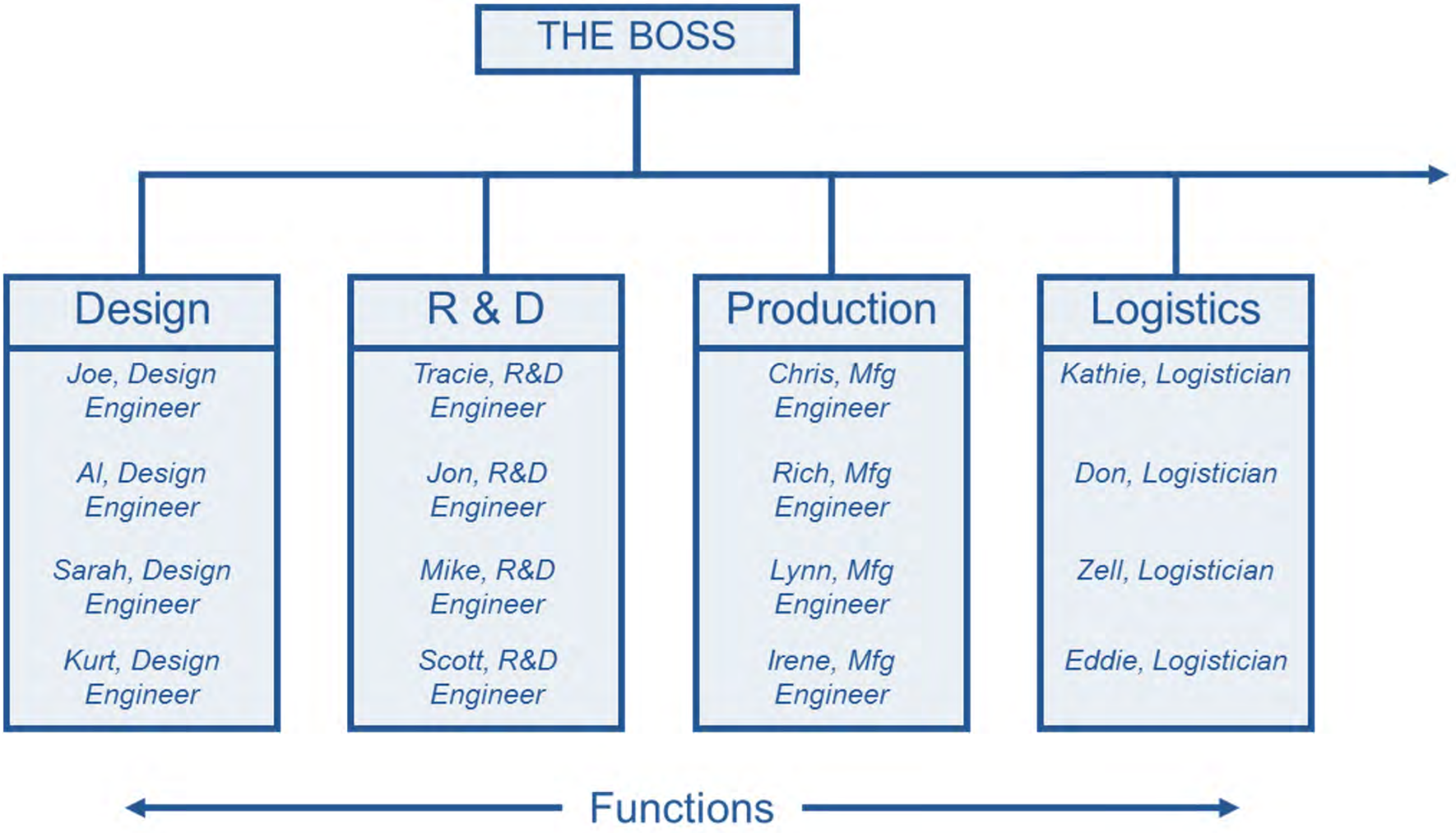
NAVSEA Corporate Overview

- Organization
  - Headquarters Command Staff and Directorates at Washington Navy Yard
    - Provide policy, guidance, oversight and support in financial management, contracting, logistics/maintenance/industrial operations, engineering, undersea warfare, corporate operations, information technology, legal support, and security
  - 42 field activities, 30+ detachments in the U.S.
    - Naval Shipyards and Regional Maintenance Centers
    - Supervisors of Shipbuilding (SUPSHIPs)
    - NAVSEA Warfare Centers, and other Field Activities
- Budget
  - ~$64B (FY23), one-fourth of the Navy's budget
- People
  - 86,886 Civilian and military personnel
- Acquisition Program Management
  - 150+ acquisition programs in NAVSEA and 7 affiliated Program Executive Offices (PEOs)

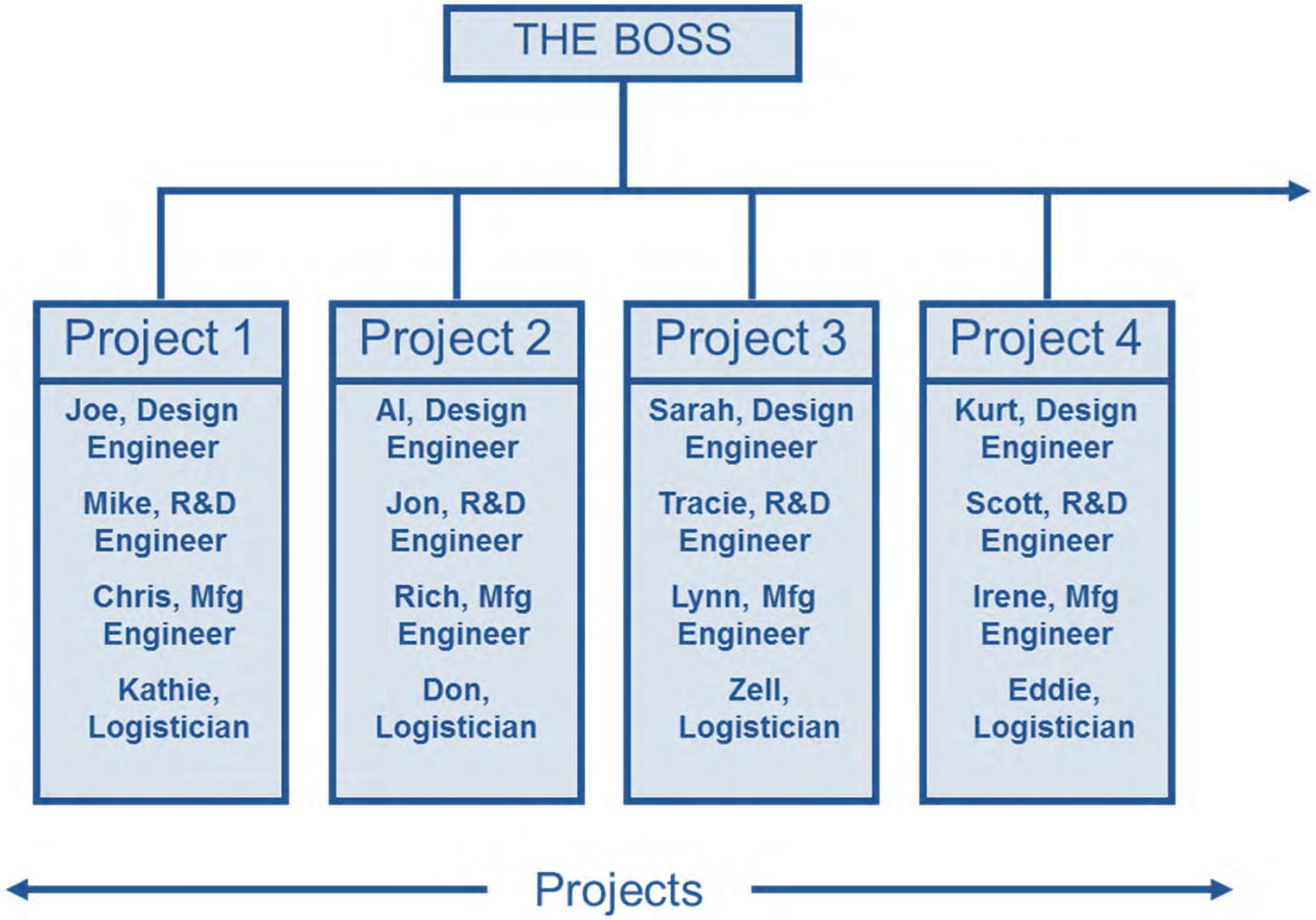
Overview

- Corporate overview
- Organizational management approaches
- Program management relationships
- NAVSEA directorates
- Program Executive Offices (PEOs)

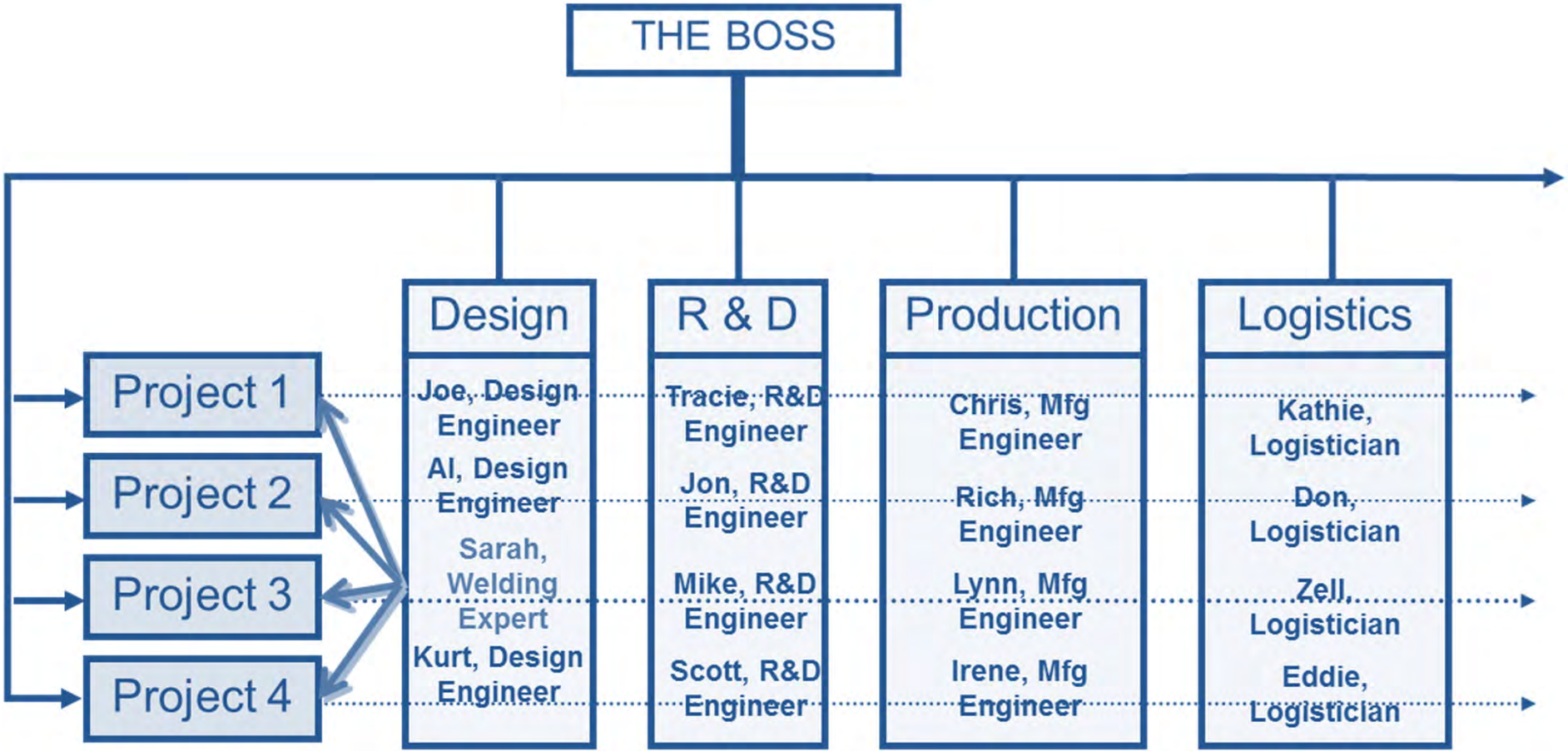
Functional Organization



Product/Project Organization

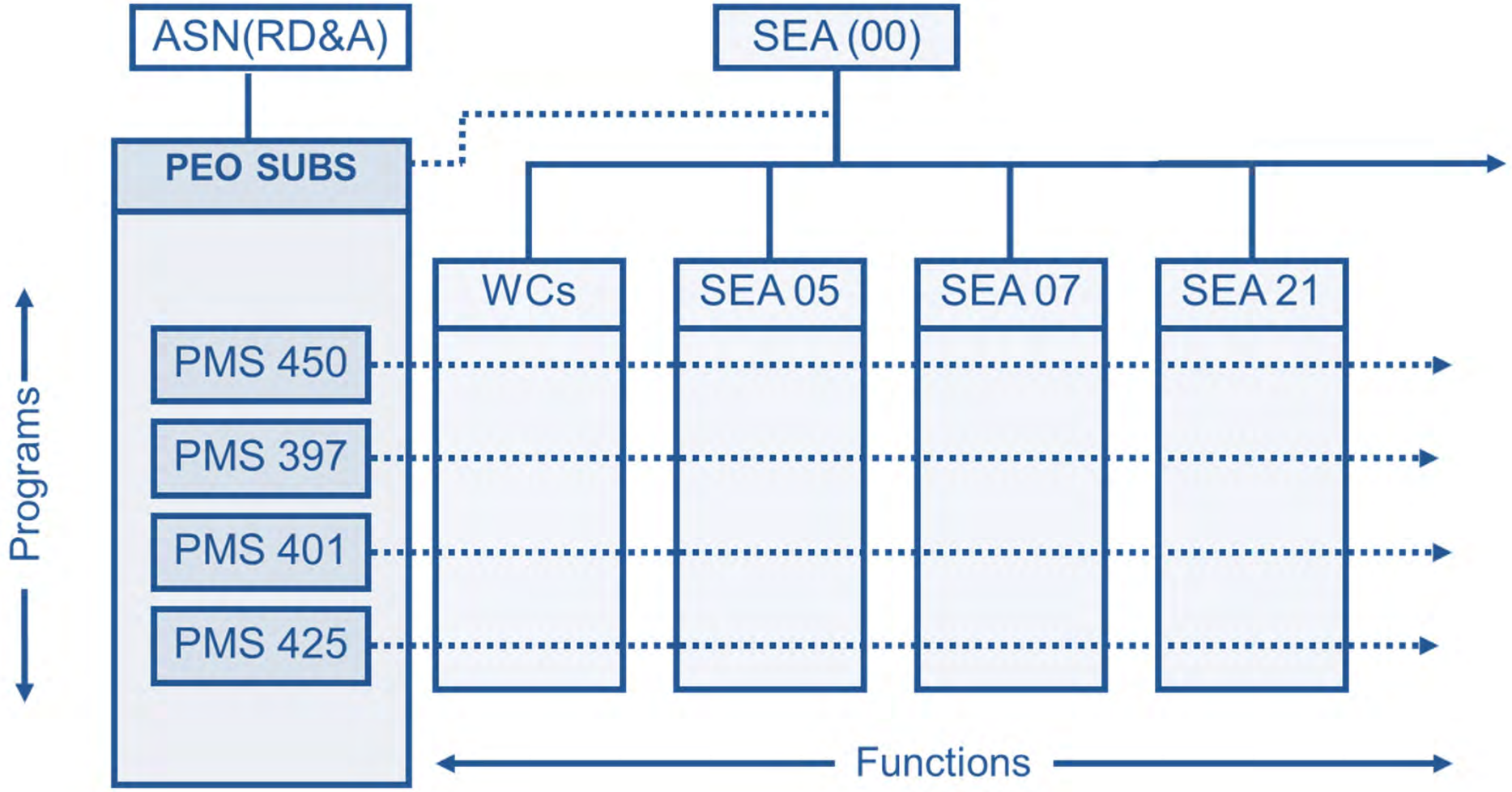


Matrix Organization



Functional support provided as-needed

NAVSEA/PEO Organization



NAVSEA and associated PEOs are a matrix organization

Overview

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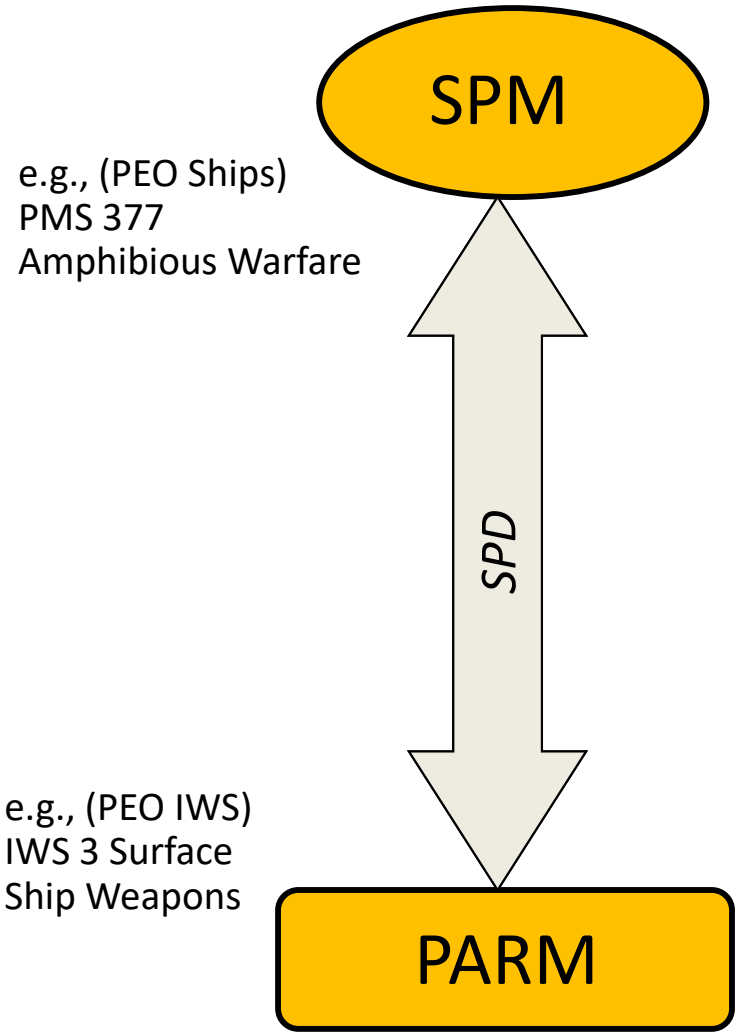
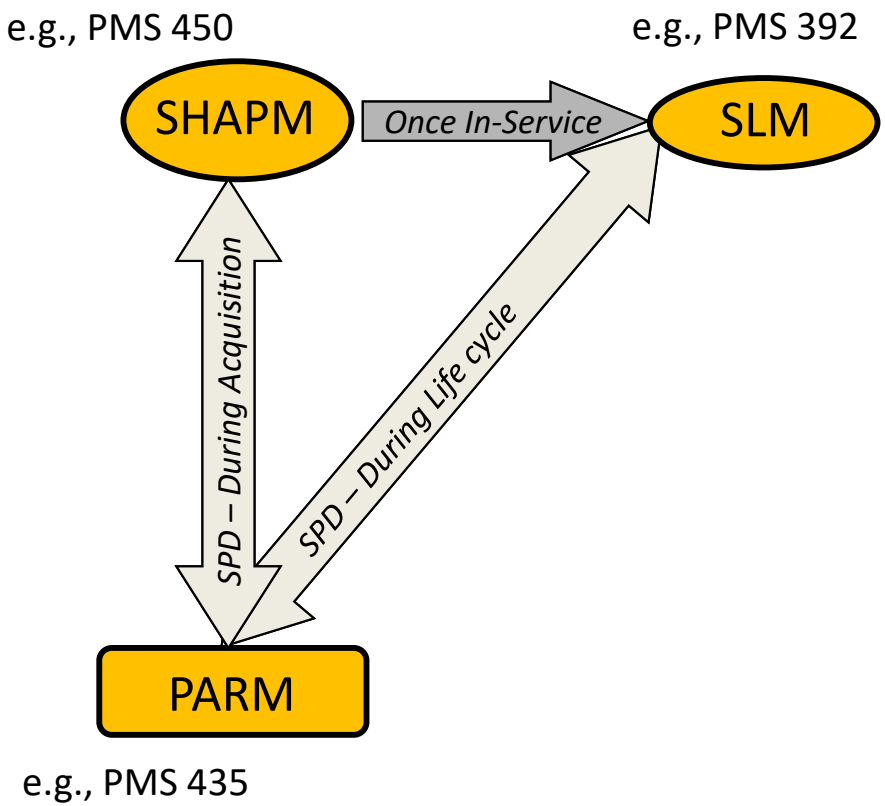
SPM and PARM Roles



- ***Ship Program Manager*** (SPM) – has duties of both acquisition & life-cycle manager for ship platform
- ***Participating Acquisition Resource Manager*** (PARM) – acquisition & life-cycle manager for major subsystems (e.g., the Combat Systems (CS) Suite)
- ***Ship Project Directive*** (SPD) – documented 'contract-like' agreement between the SPM & PARM (may be fulfilled by 7300 document)

SHAPM, SLM and PARM Roles



(PEO SSN) PMS 450 – Virginia Class New Construction
(PEO USW) PMS 435 – Electromagnetic Systems
(PEO SSN) PMS 392 – Attack Submarines In-service

- ***Ship Acquisition Program Manager*** (SHAPM) – acquisition manager for ship/submarine platform
- ***Ship Life-cycle Manager*** (SLM) – life-cycle manager for ship/submarine platform
- ***Participating Acquisition Resource Manager*** (PARM) – acquisition & life-cycle manager for major subsystem (e.g., the CS suite)
- ***Ship Project Directive*** (SPD) – a 'contract-like' agreement between the SHAPM/SLM & PARM (May be fulfilled by 7300 document)

Overview

- Corporate overview
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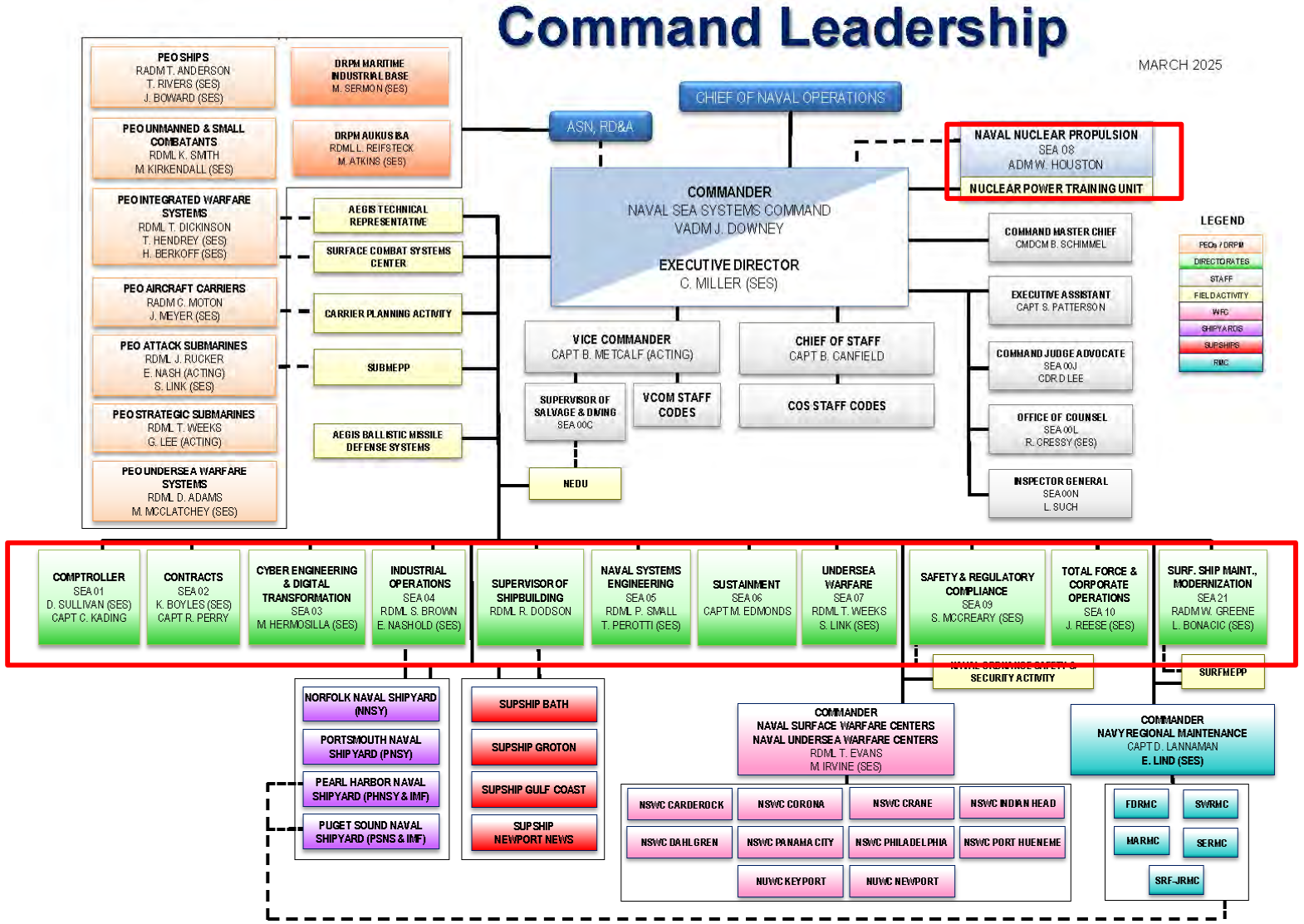
- Program Executive Offices (PEOs)

Names subject to change

Command Leadership



Comptroller SEA 01

- Financial management accountability for NAVSEA
  - Execute 1301 and 1517 authorities
- Establish and manage chart of accounts and allocations for all headquarters and PEO appropriated funds
- Budget Submitting Office (BSO) for all headquarters and PEO organizations
  - Financial advisor to SEA 00 and PEOs, Program Managers (PMs), and Directorates
- Process and policy ownership for the financial management process across headquarters and PEO organizations
- Management of financial aspects of account and/or contract close-out and correction of unmatched or unliquidated disbursements

Contracts SEA 02

- Serves as Contracting Officer in direct support of NAVSEA, PEOs, and PMs
  - SEA 022 - New construction
  - SEA 024 - HM&E, ocean engineering, and regional maintenance
  - SEA 025 - Surface ship systems
  - SEA 026 - Undersea, electronic surveillance, special operations

Cyber Engineering and Digital Transformation SEA 03

- Cybersecurity technical authority for NAVSEA domain (NAVWAR is lead SYSCOM)
- Responsibility for providing the infrastructure and support services for the programs and developers in the NAVSEA community
  - Cyber Security: Provides the NAVSEA Enterprise with guidance on cyber issues and ensures that all ships are able and ready to detect, defend and recover from cybersecurity attacks
  - IT Services: Maintains and facilitates Network Operations and IT Service Delivery for Headquarters NAVSEA end users to enable maximum productivity for NAVSEA civilians and military personnel in the support of the warfighter
  - Digital Transformation: Transforms NAVSEA digital capability adopting new digital technologies, capitalizing on data, increasing digital skills, and modernizing business processes

Industrial Operations SEA 04

- Exercises management control of Naval Shipyards
- Develops and maintains NAVSEA logistics policy and procedures
- Provides programmatic support to PMs, PEOs, and Direct Reporting Program Managers (DRPMs) for logistics matters
- Manages logistics research and development programs
- Audits performance and compliance of Quality Assurance programs

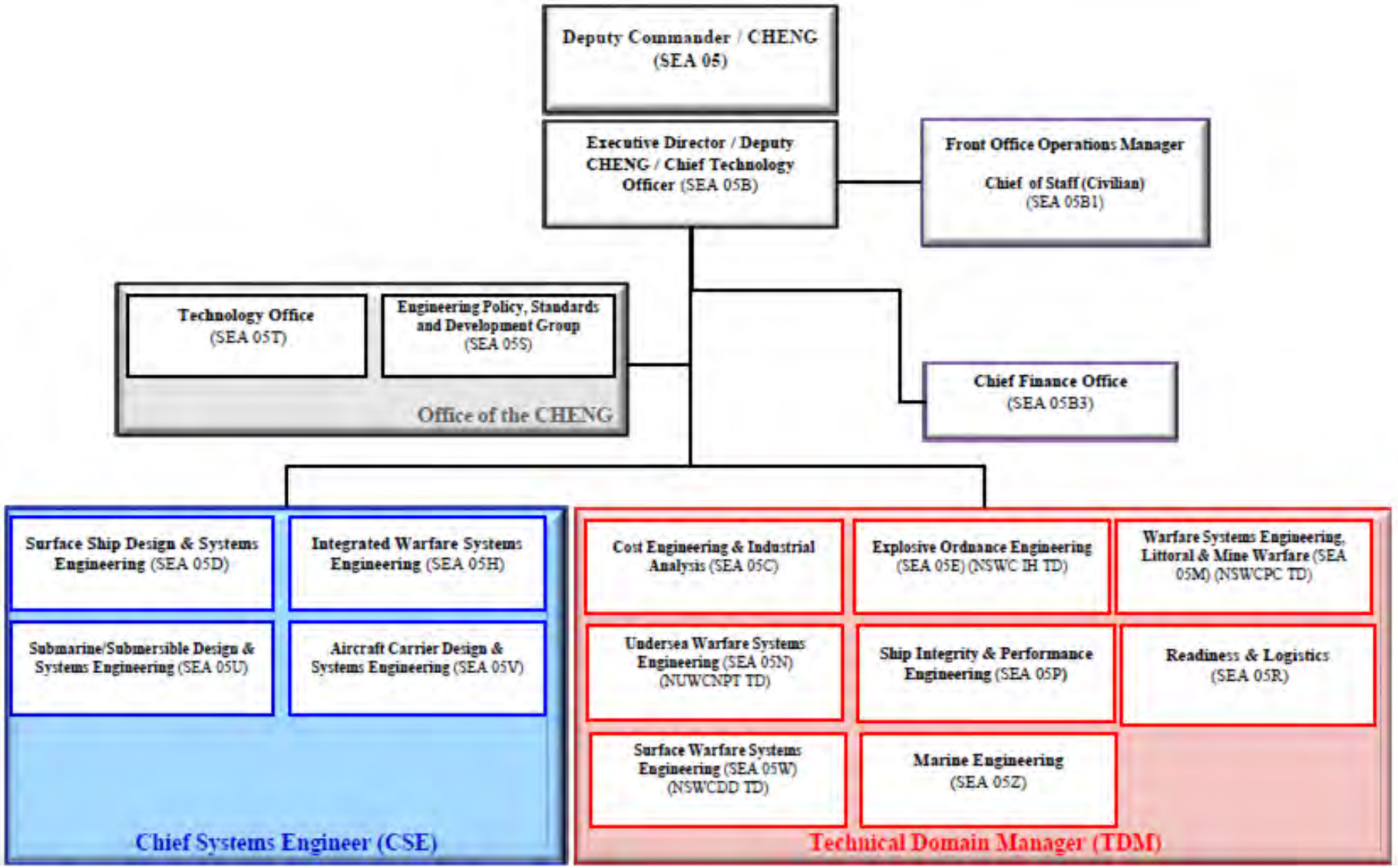
Supervisor of Shipbuilding, Conversion and Repair SUPSHIP

- Execute Navy shipbuilding contracts to ensure the highest quality ships are delivered to the fleet
  - Co-located with major shipbuilders and are the Navy's on-site technical, contractual, and business authority
  - Provide oversight of cost, schedule, and quality for Navy new construction shipbuilding
- SUPSHIP Services:
  - Ship construction project oversight
  - Ship repair, maintenance, and modernization project oversight
  - Contracting and contract administration
  - Quality Assurance
  - Resource management
  - Engineering and technical authority
  - Information technology management
  - Financial management

Naval Systems Engineering
SEA 05

- Ship design, integration & engineering
- Technical authority for ships, submarines, craft, and ship systems
- Ship design management for ship, submarine, and craft acquisition
- Resolves cross-platform or systemic performance concerns for ship systems working with the Fleet, program managers, and sponsors
- Lead ship, submarine and craft concept development, and strategy for technology insertion
- Manages the corporate career field for engineers, scientists, mathematicians, and technicians
- Cybersecurity technical authority for NAVSEA domain delegated to SEA 03

Naval Systems Engineering
SEA 05



CSEs (blue boxes) integrate engineering and technical authority efforts in support of programs

TDMs (red boxes) provide deep technical expertise to all appropriate programs

Sustainment SEA 06

- Directorate reestablished in 2024 and is in process of being stood up.
- Consolidates NAVSEA's logistics and sustainment support functions to improve efficiency and effectiveness
  - Highlights the critical importance of collaboration to fleet readiness.

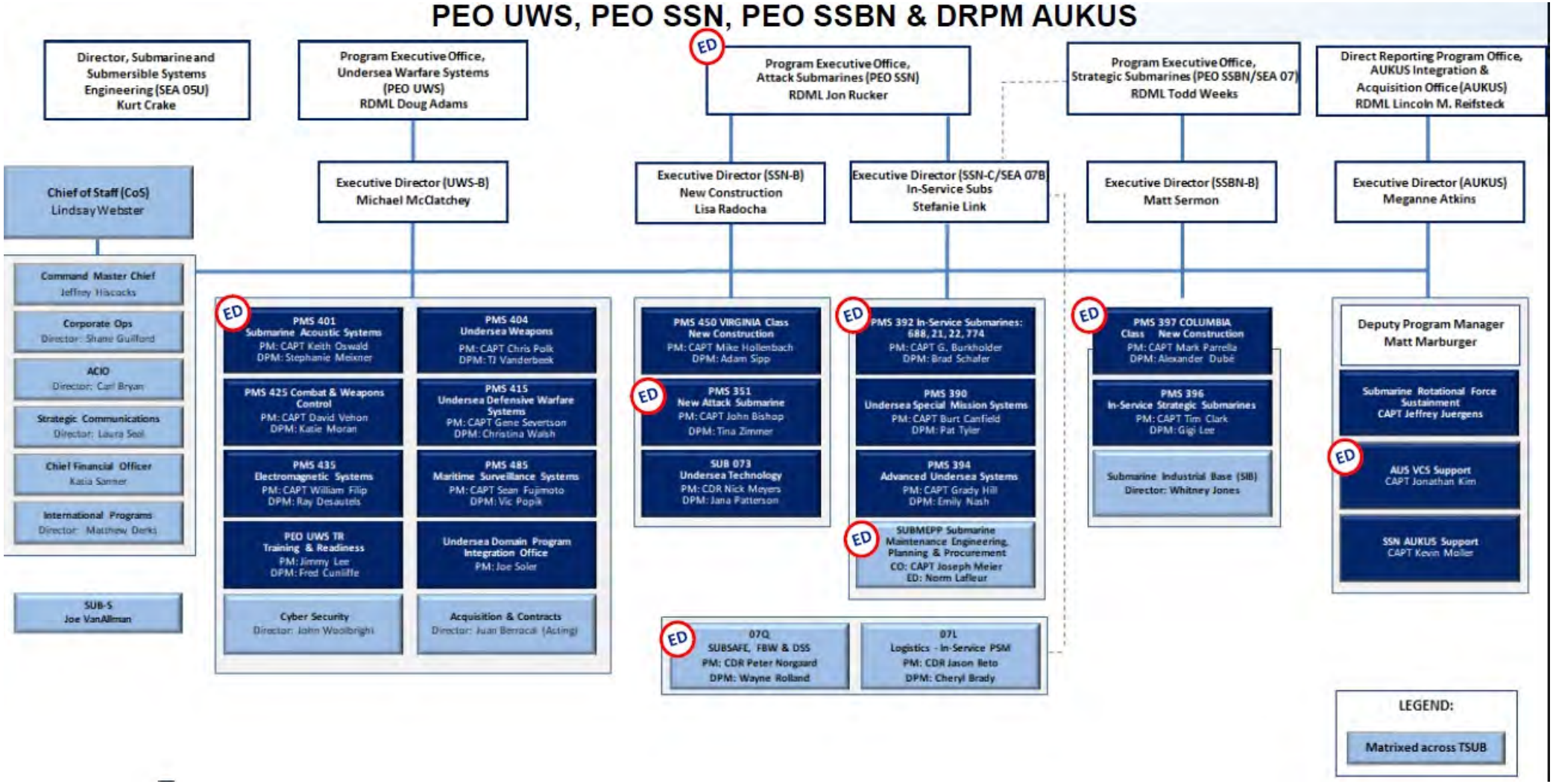
Undersea Warfare SEA 07

- SEA 07 is dual-hatted as the Program Executive Office for Strategic Submarines (PEO SSBN)
- Provides life-cycle support to the in-service submarine and undersea forces
  - PMS 07Q: Submarine Safety (SUBSAFE), Fly-By-Wire (FBW), and Deep Submergence Systems (DSS)
  - PMS 07L: Logistics, In-Service Product Support Manager (PSM)

Team Submarines

- A “submarine-centric” organization of commands, program offices, and activities that focus on cradle-to-grave needs of the Submarine Force:
  - Research and development
  - Acquisition
  - Life-cycle support
- Eliminates traditional “stovepipe” structures and processes that created impediments and inefficiencies in the submarine research, development, acquisition, and maintenance communities
- Provides improved communication among the various offices that contribute to the overall success of the Submarine Force
- Unites:
  - Program Executive Office Attack Submarines (PEO SSN)
  - Program Executive Office Strategic Submarines (PEO SSBN)
  - Program Executive Office Undersea Warfare Systems (PEO UWS)
  - AUKUS Direct Reporting Program Office, and Integration & Acquisition Office

Team Submarines



Nuclear Propulsion SEA 08

- Deputy Commander for Nuclear Propulsion
  - Responsible, within the Department of the Navy, for all technical matters pertaining to nuclear propulsion of U.S. Navy ships and craft

- "Triple-hatted" as:
  - Deputy Commander for Nuclear Propulsion, SEA 08
  - Director, Naval Nuclear Propulsion, OPNAV 00N
  - Deputy Administrator for Naval Reactors, National Nuclear Security Administration, Department of Energy

Safety & Regulatory Compliance
SEA 09

- Multiple safety activities under one directorate to strengthen and align safety oversight and reporting functions of NAVSEA
- Responsibilities of the directorate include:
  - Explosives safety
  - Ordnance environmental compliance
  - Weapon systems safety
  - Industrial and Occupational Safety and Health (OSH)
  - Environmental management and policy
  - Radiological controls, maintenance, and modernization
    - Does not apply to equipment, systems, or procedures under the cognizance of the Naval Nuclear Propulsion Directorate (SEA 08)

Total Force & Corporate Operations
SEA 10

- Performs all operations support for NAVSEA directorates, field activities, and PEOs
- Command projects
  - Manpower and budget
  - Administrative budget
  - Command briefings
  - Corporate planning
  - Strategic sourcing
  - Acquisition support
  - Labor relations
  - Defense & Navy liaison
  - Foreign Military Sales (FMS) / security assistance
  - University labs
  - Reserve Programs (SEA 10T1)
- Customer Service
  - Human Resources (HR) / Equal Employment Opportunity (EEO) & policy
  - Career development
  - Payroll
  - Facilities
  - Space management
  - Parking
  - Command administration
  - Travel
  - Directives
  - Mail
  - Security & policy

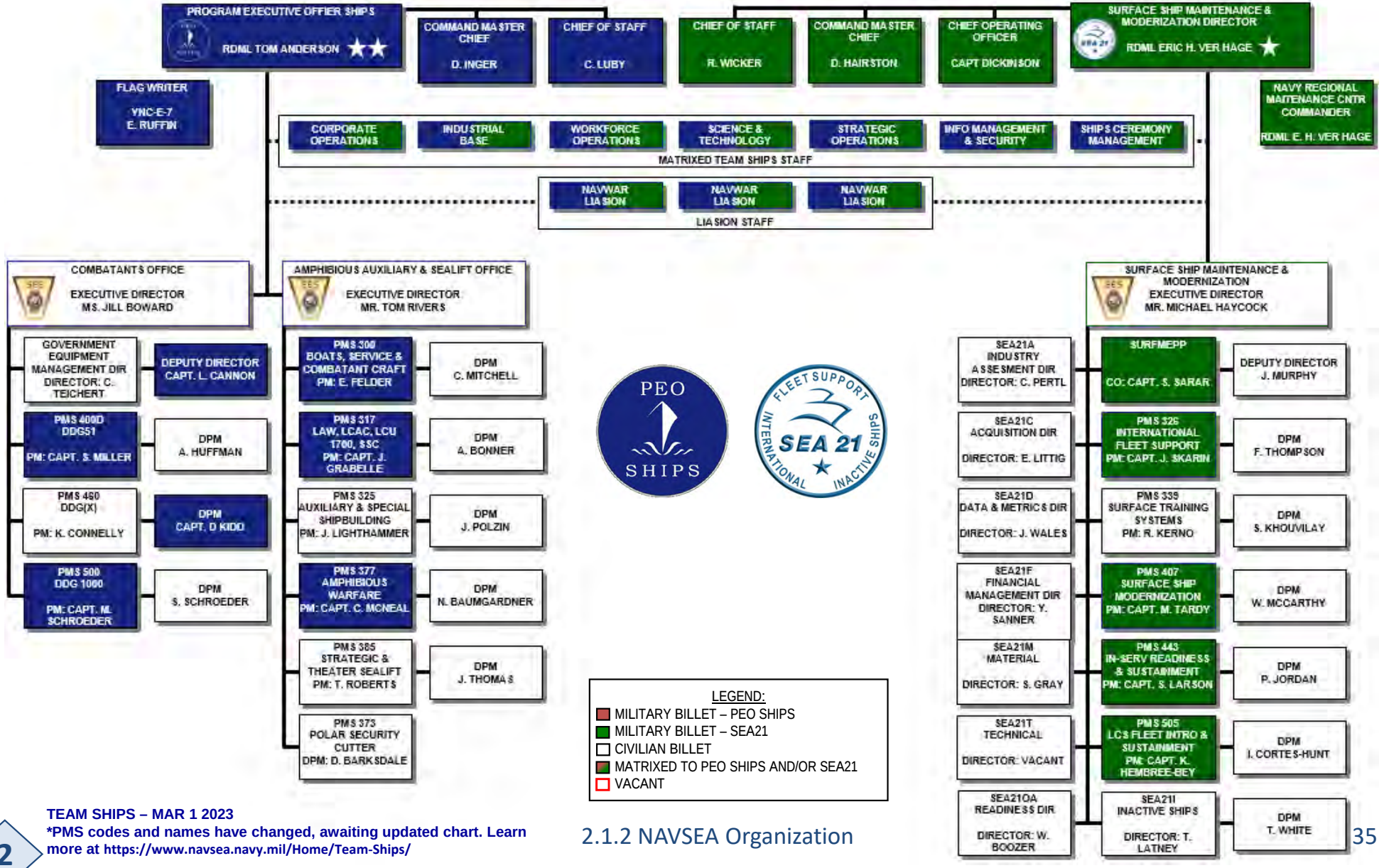
Surface Ship Maintenance, Modernization & Sustainment SEA 21

- In-Service Ships Program Offices: modernization and Fleet support focus
  - PMS 321 – Unmanned Small Combatants & Amphibious Ships
  - PMS 326 – International Fleet Support
  - PMS 339 – Surface Training Systems
  - PMS 421 – Large Surface Combatant Modernization & Sustainment
  - PMS 443 – Bridge Integration/HM&E Sustainment
  - PMS 451 – Destroyer Modernization 2.0
  - SEA 21I – Inactive Ships Directorate
  - Surface Maintenance Engineering and Planning Program (SURFMEPP) Activity

Surface Ship Maintenance, Modernization & Sustainment SEA 21

- SEA 21 is dual-hatted as the Commander, Navy Regional Maintenance Centers (CNRMC)
  - Maintenance entity and SYSCOM united under one individual – promotes better alignment
  - Requires more bandwidth from a single individual, potentially dividing attention
- CNRMC bears additional responsibilities acting in the role of a Commander vs. a Directorate Head
  - Non-Judicial Punishment (NJP) authority
  - Safety and physical security
  - Other responsibilities outlined in US Navy Regulations, Chapter 8

Team Ships



TEAM SHIPS – MAR 1 2023

***PMS codes and names have changed, awaiting updated chart. Learn more at https://www.navsea.navy.mil/Home/Team-Ships/**

Overview

- Corporate overview
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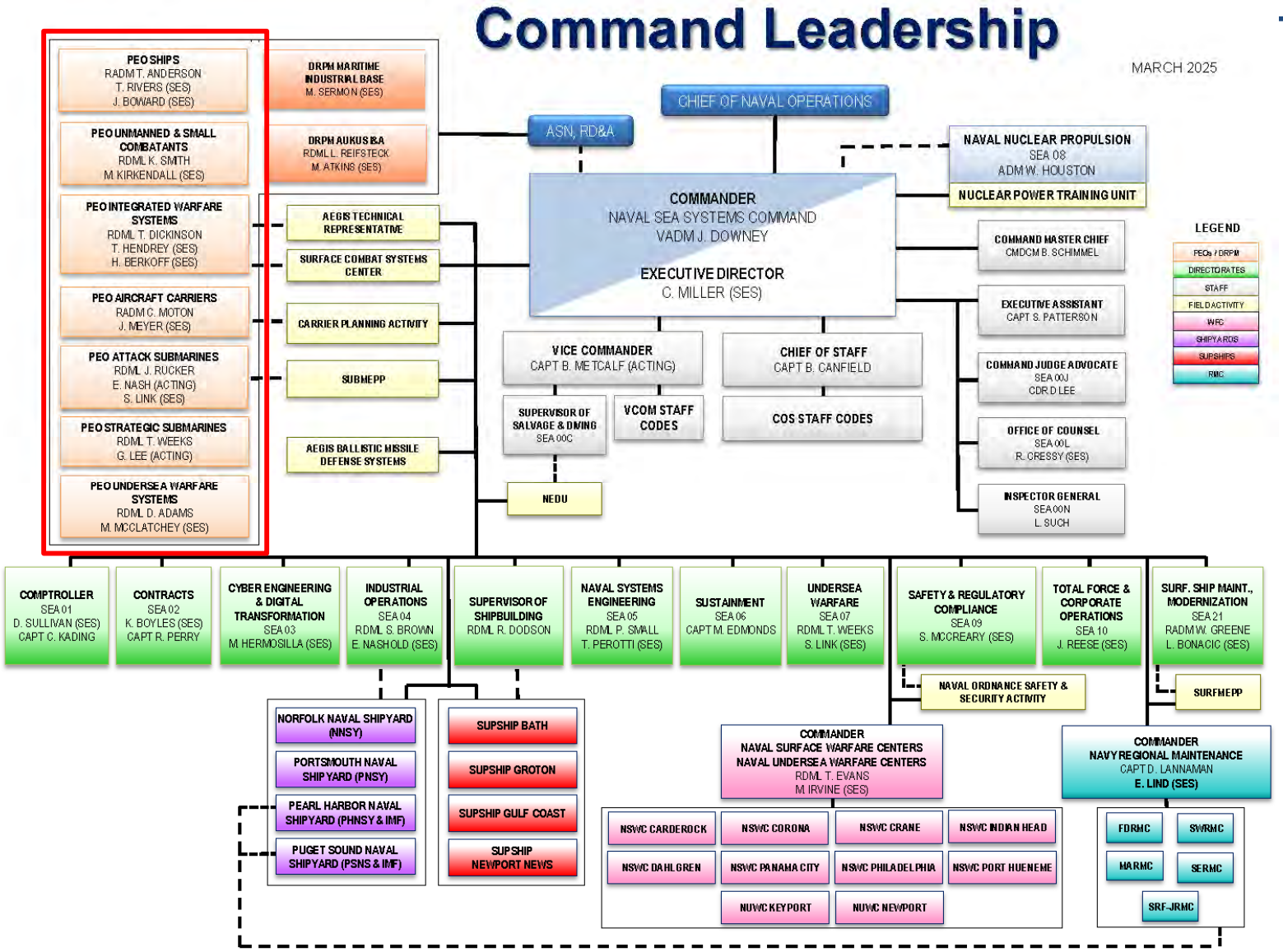
- Program Executive Offices (PEOs)

PEOs Affiliated with NAVSEA

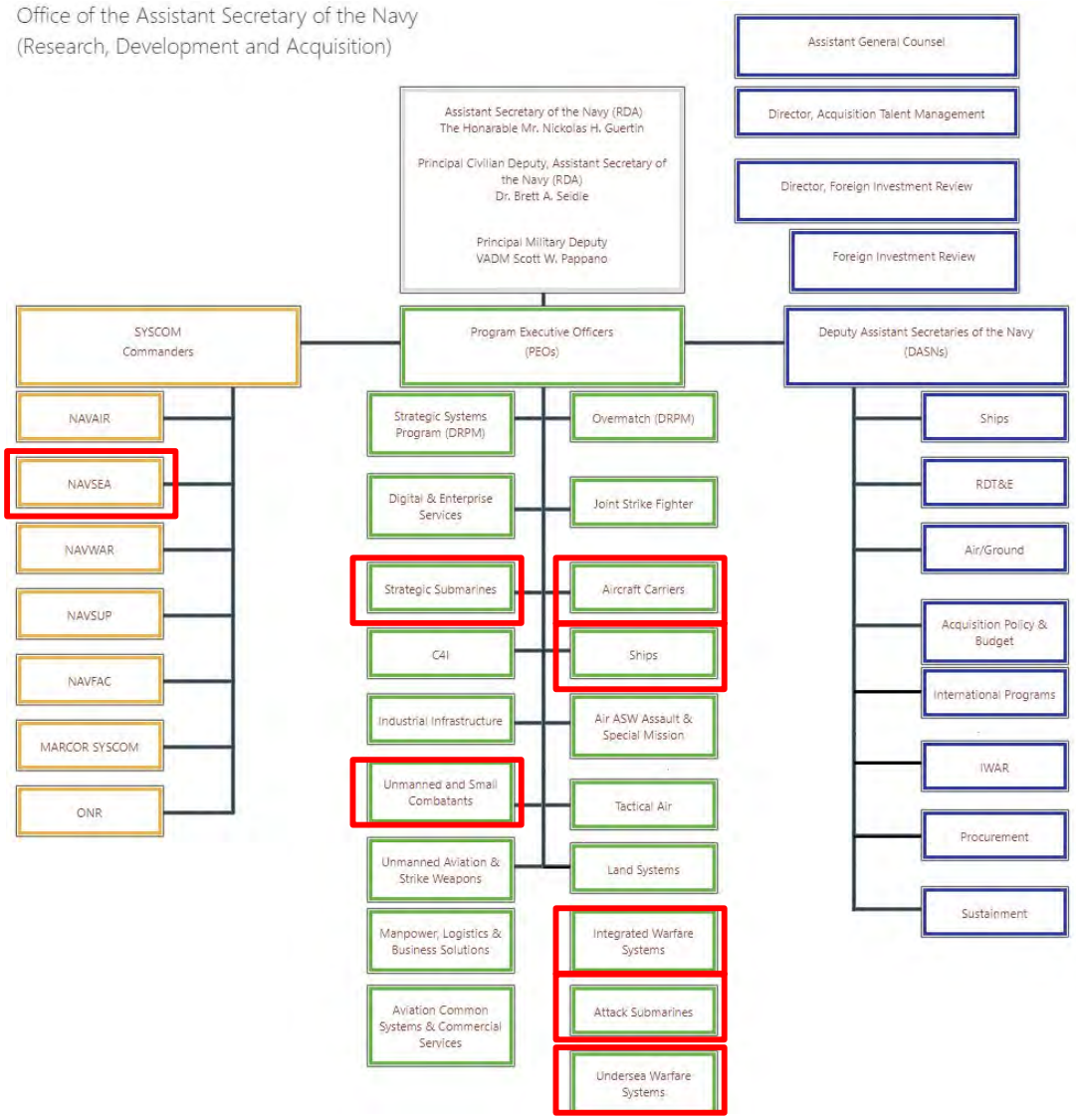
- PEO Ships
- PEO Unmanned and Small Combatants (USC)
- PEO Attack Submarines (SSN)
- PEO Strategic Submarines (SSBN)
- PEO Undersea Warfare Systems (UWS)
- PEO Integrated Warfare Systems (IWS)
- PEO Aircraft Carriers

Command Leadership



Names subject to change

PEOs Affiliated with NAVSEA

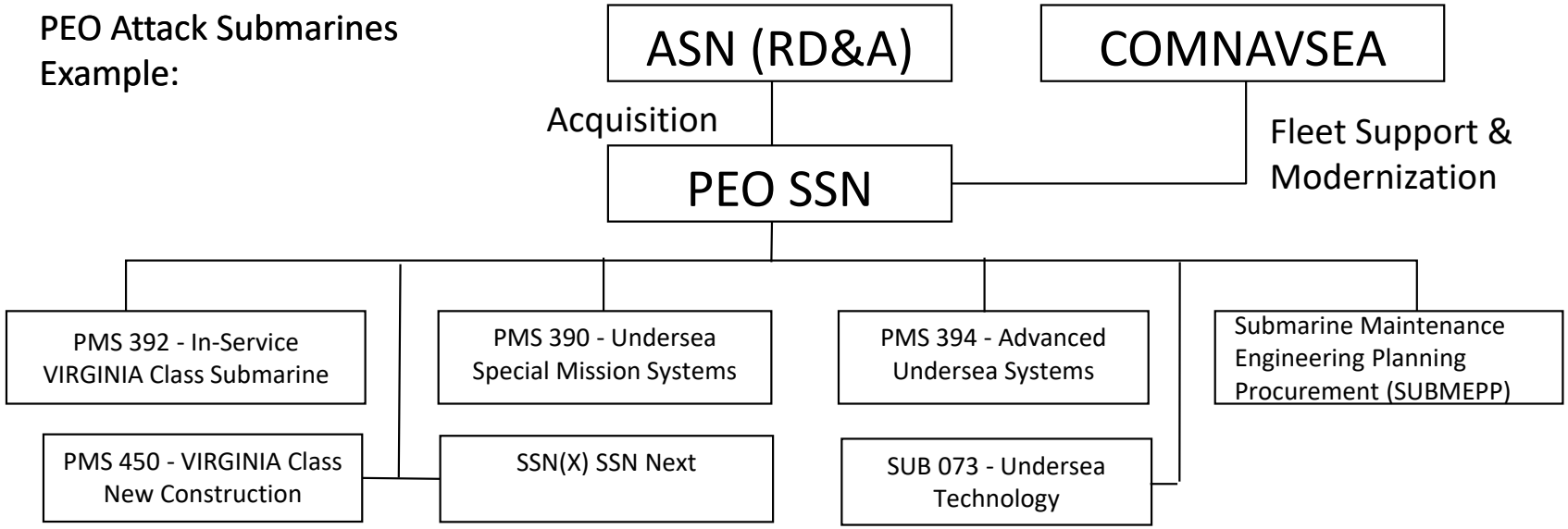


PEOs affiliated with NAVSEA report to ASN (RD&A) for all acquisition matters

PEOs and PMs

- Program Executive Office (PEO) – Responsibility for directing several Major Defense Acquisition Programs (MDAPs) and for assigned major system and non-major system acquisition programs. ***The PEO reports to the ASN (RD&A) for acquisition related matters and to COMNAVSEA for in-service support***
- Program Manager (PM) – Responsibility for and authority to accomplish program objectives for development, production, and sustainment to meet the user's operational needs. The PM reports to the PEO and Milestone Decision Authority (MDA)

PEO Attack Submarines Example:

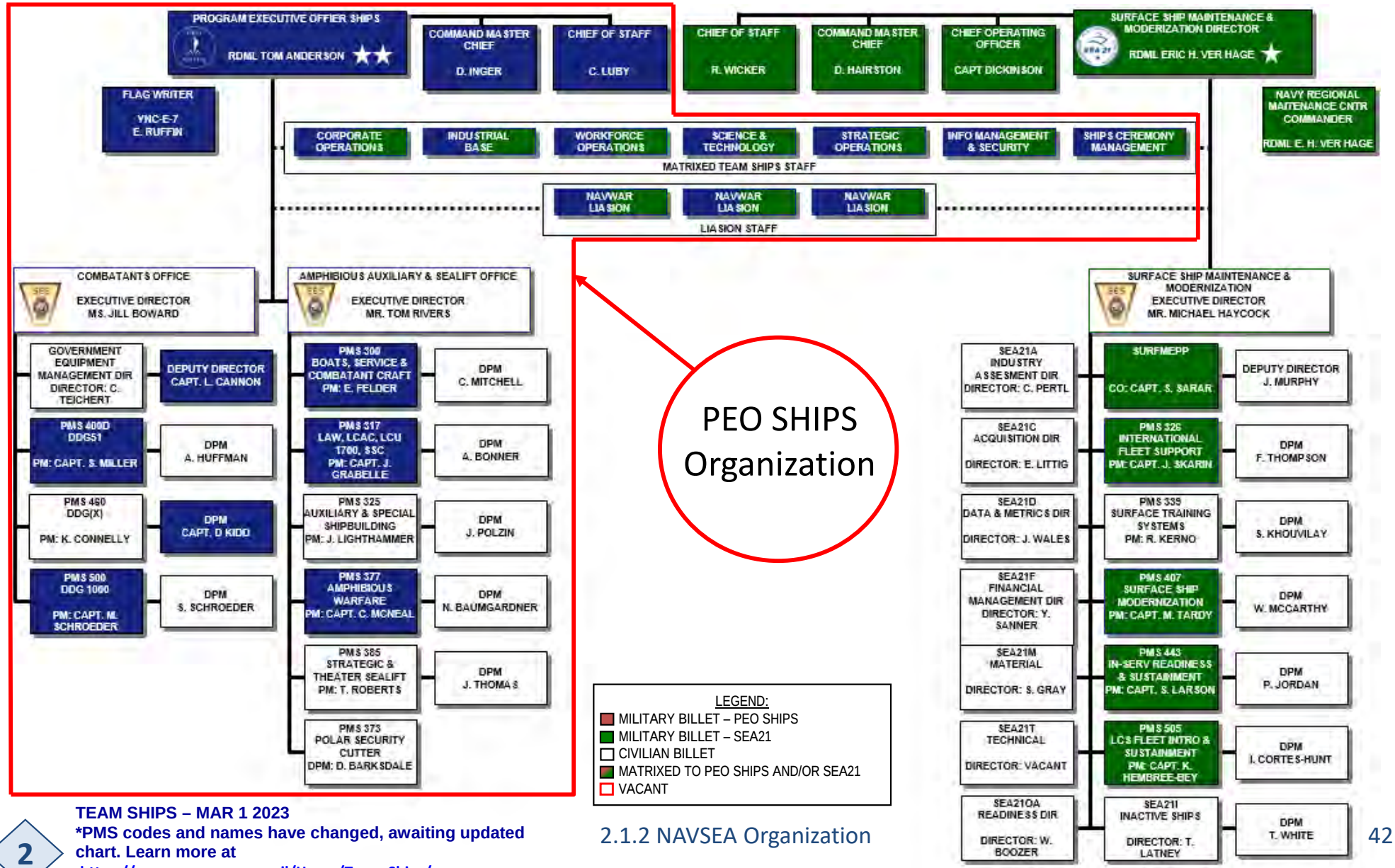


PEO Ships

- Manages acquisition for current and future U.S. Navy large surface combatants, amphibious ships, special mission and support ships
  - Combatants
    - DDG 1000, DDG-51, DDG(X)
  - Amphibious, Auxiliary, and Sealift
    - LHD, LHA, LPD, T-AKE, MLP, JHSV, Support Ships
  - Other Activities
    - Foreign Military Sales (FMS)
    - Electric Ships Office

Committed to delivering quality ships to the Fleet at an affordable price

PEO Ships



TEAM SHIPS – MAR 1 2023
***PMS codes and names have changed, awaiting updated chart. Learn more at**
https://www.navsea.navy.mil/Home/Team-Ships/

PEO USC

- Designs, develops, builds, maintains, and modernizes the Navy's expanding family of unmanned maritime systems, mine warfare systems, and Small Surface Combatants (LCS, Constellation-class Frigate) by employing the full arsenal of acquisition authority to develop and deliver innovative solutions and technologies to support the Navy

Focus on entire littoral challenge and deliver coherent response to operational requirements

PEO SSN

- NAVSEA's focal point for the design, construction, and transition of attack submarines and related combat systems to in-service status:
  - SSNs: VIRGINIA Class new construction and in-service support
  - Undersea special mission systems
  - Advanced undersea systems
  - Undersea technology
  - SUBMEPP

PEO Attack Submarines consolidates attack submarine platform acquisition, development and sustainment

PEO SSBN

- Design, construction, delivery and in-service support of the COLUMBIA class ballistic missile submarine
  - As the survivable leg of the strategic triad (air, sea and land), COLUMBIA is a high-priority acquisition program
- OHIO class ballistic missile submarine service life extension and in-service support

PEO Strategic Submarines manages cradle-to-grave strategic missile submarines

PEO UWS

- Enhance combat capability and improve cybersecurity for submarine platforms
- Oversee submarine combat and weapons systems, acoustic systems, defensive warfare systems, electromagnetic systems, maritime surveillance systems, undersea communications systems, training and safety programs
- Ensure sensors and warfare systems are integrated, and includes Undersea Domain Program Integration Office

PEO UWS enables the delivery of enhanced combat capability and undersea warfighting for all submarine platforms

PEO IWS

- Life-cycle responsibilities for all surface ship combat systems
  - Combat Management Systems
  - Missiles (except Trident and Tomahawk)
  - Sensors and Sensor Netting
  - Navigation
  - Launchers (except Trident)
  - Electronic warfare
  - Gun systems and Ammunition
- Navy's Open Architecture (OA) Enterprise lead for ASN(RD&A)
  - Coordinate architecture and overarching interface principles with which systems will be developed
- Field Activities
  - Aegis Technical Representative
  - Surface Combat Systems Center (SCSC)

- Product Lines
  - IWS 1.0 – AEGIS Combat System
  - IWS 1.0F – AEGIS Fleet Readiness
  - IWS 2.0 – Above Water Sensors
  - IWS 3.0 – Surface Ship Weapons
  - IWS 4.0 – International & Foreign Military Sales
  - IWS 5.0 – Undersea Systems
  - IWS 6.0 – Command and Control
  - IWS 9.0 – DDG-1000, LCS, USCG, PC
  - IWS 11.0 – Terminal Defense Systems
  - IWS 12.0 – NATO Seasparrow
  - IWS 80.0 – Atalanta Combat Systems
  - IWS X – Integrated Combat System Document Center

Develop, deliver, and sustain operationally dominant combat systems to Sailors

PEO Carriers

- Responsible for R&D, technology transition, design, construction, mid-life upgrade/refueling overhauls and life-cycle support
  - Aircraft Carrier Platforms (CVNs)
    - PMS 312 In-Service Aircraft Carrier Program Manager
      - NIMITZ Class refueling complex overhaul
      - Carrier life-cycle management
      - CVN inactivation
      - Carrier Planning Activity (CPA) (PMS 312C)
    - PMS 378 CVN 78 Program Manager
      - FORD Class (CVN-78) new construction
    - PMS 379 CVN 79/80 Program manager
  - Systems unique to carriers
  - Integration of systems into the aircraft carrier platforms

Manages the entire CVN life-cycle, cradle-to-grave

Summary

- What are the mission and major functions of NAVSEA?
- What organizational scheme is used by NAVSEA and the PEOs?
- What is NAVSEA 02?
- What is NAVSEA 04?
- What is NAVSEA 05?

Summary

- Who does PEO Carriers report to for acquisition matters?
- Who does PEO IWS report to for in-service support (fleet support & modernization)?
- What is the Ship Program Manager (SPM) responsible for?
- What is the Participating Acquisition Resource Manager (PARM) responsible for?
- What “contract-like” document describes the agreement between the SPM and the PARM?