NAWCAD Lakehurst Industry Day

Welcoming Remarks

09 June 2026

Presented by: Mr. Joseph Hader, Technical Director, Naval Air Warefare Center Aircraft Division Lakehurst

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NAWCAD Lakehurst Industry Day

Procurement Department

09 June 2026

Presented by: Mr. Patrick Smith, Chief of Contracting

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A New Era for Defense Acquisition

- Our mandate is to get critical technology and capability to the warfighter faster

Key Themes	Description
Speed and Efficiency	Cutting red tape to accelerate delivery
Commercial First	Strong preference for acquiring commercial off-the-shelf products and services
Best Value	Shifting focus from lowest cost to best overall value
Strengthening the Industrial Base	Lowering barriers for new and small businesses

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The “Commercial First” Revolution

- **Cornerstone of FY26 NDAA:** We must look to the commercial market before starting new development programs.

- **What this means for you**:

  – **Mandatory Preference**: We are required to use commercial products to the “maximum extent practicable.”

  – **Expanded Use of Commercial Solutions Openings (CSOs**) – CSOs can now be used to acquire *any* commercial product or service, with authority for sole-source follow-on contracts.

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The Revolutionary FAR Overhaul

- Goal: A top-to-bottom rewrite of the FAR to remove decades of non-statutory red tape

Core Objectives	Description
Simplify Regulations	Rewrite rules in plain language
Promote Innovation	Empower contracting officers to use common-sense methods
Enhance Speed	Enable faster acquisition and foster greater competition
Prioritize Commercial Solutions	Strong preference for commercially available products

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Reducing Your Burden: New Thresholds

- New, higher thresholds reduce compliance burdens and speed up acquisitions.

Threshold Change	New Limit	Impact for Contractors
Certified Cost and Pricing Data (TINA)	$10M	Reduces the number of contracts requiring certified cost data submissions. Effective 1 July 2026.
Full Cost Accounting Standards	$100M	Very few contractors will be subject to full CAS coverage.
Sole Source Approval Procuring Contracting Officer (PCO) / Chief of Contracting Office (CCO)	$10M/$100M	Empowers PCOs/CCOs to approve higher-value awards faster.

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New Opportunities & Access Points

- **Breaking Down Barriers:**
  - Exemptions from numerous DFARS business system requirements for non-traditional businesses
  - Accepting commercial past performance to help new entrants compete.
  - Increased use of Other Transaction Authority (OTAs)
- **Resource:**
  - **LYNX Digital Platform :** A new DoW Office of Small Business Programs gateway designed to turn "readiness into action." It empowers you to bridge the gap from capability to credible participation through a company profile and initial baseline readiness assessment. (DoW Lynx Article)

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Other Key Changes You Should Know

- **Default to Fixed-Price (E.O. 14402):** The government is now directed to use fixed-price contracts as the default.
  - ***Impact****:* Be prepared to propose on a fixed-price basis, which shifts cost-control risk to your business but simplifies accounting during performance.

- **Facilitization Costs:** There is now increased scrutiny and a requirement for higher-level review regarding facility-related costs, particularly on large, noncompetitive contracts (>$50M).
  - ***Impact:*** Expect more detailed inquiries if your proposal includes significant facility capital or specialized infrastructure costs.

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NAWCAD Lakehurst Industry Day

Office of Small Business Programs

09 June 2026

Presented by: Ms. Dawn Chartier

Deputy Director NAWCAD Lakehurst

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Upcoming Changes to Lakehurst OSBP

- **Under new PAE organization all Navy Small Business Professionals (SBPs) will no longer report to their individual Commands**
- **All now belong to the DoN OSBP and will be assigned accordingly**
- **Not all SBPs will remain supporting their current Commands**
- **For Lakehurst, I have been assigned to PAE Aviation and will continue to support as previous**

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Upcoming Changes to Small Business Regulations

- **Many changes, especially with 8(a) Program (including Limitations on Subcontracting) and Rule of Two**
- **I will be conducting a brief class this afternoon on those changes here in the main room**

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NAWCAD LKE Targets vs. Actuals

	NAWCAD LKE FY22 Final	NAWCAD LKE FY23 Final	NAWCAD LKE FY24 ACTUALS Final	NAWCAD LKE FY25 ACTUALS as of 30 SEPT 25
Prime Contracting Total Dollars	$ 1,458,255,620	$ 1,337,877,241	$ 1,138,926,541	$ 1,085,353,281
SMALL BUSINESS	67.569%	65.439%	77.987%	68.423%
Target	52.500%	52.500%	52.500%	53.000%
Dollars	$ 985,332,232	$ 875,489,615	$ 888,216,713	$ 742,629,695
SMALL DISADVANTAGED BUSINESS	12.329%	10.061%	13.413%	14.560%
Target	9.500%	11.000%	10.000%	10.500%
Dollars	$ 179,789,556	$ 134,602,667	$ 152,769,358	$ 158,029,707
8(a)	2.227%	1.808%	3.996%	3.466%
Dollars	$ 32,475,006	$ 24,183,813	$ 45,516,600	$ 37,622,703
VETERAN-OWNED SB	7.684%	9.033%	7.187%	4.916%
Dollars	$ 112,049,655	$ 120,848,548	$ 81,856,988	$ 53,357,160
SERVICE-DISABLED VETERAN-OWNED SB	2.551%	2.509%	2.550%	3.050%
Target	2.188%	2.000%	2.200%	2.200%
Dollars	$ 37,195,865	$ 33,574,006	$ 29,039,440	$ 33,107,810
WOMEN-OWNED SB	8.670%	7.899%	12.026%	10.118%
Target	7.406%	7.400%	7.400%	7.500%
Dollars	$ 126,428,008	$ 105,676,077	$ 136,966,305	$ 109,813,655
HIST. UNDERUTILIZED BUSINESS ZONE SB	2.533%	0.747%	0.861%	1.096%
Target	1.188%	1.180%	1.000%	0.750%
Dollars	$ 36,937,975	$ 9,995,404	$ 9,804,227	$ 11,896,818

DoD does not assign goals for 8(a) or VOSB.

Data derived from SAM.gov Contract Data Report Small Business Achievements by Awarding Organization.

NAWCAD Lakehurst Industry Day

Support Equipment Department

09 June 2026

Presented by: Mr. Greg Borlaug SE Dept. Technical Director

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123
STRIKE TEST
123
MISSION
To design, develop, test, manufacture, field and sustain mission ready naval Aviation Support Equipment (SE) and Aircraft Launch and Recovery Equipment (ALRE) that can be safely, effectively and efficiently operated and maintained by Sailors and Marines

What's it take to keep an aircraft ready for its mission at the point of need?



A World of Support Equipment!

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NAWCAD LAKEHURST SE & ALRE GROUP
Support Equipment Department

Support Equipment (SE) Department
BL20000
Dept Head
Tech Director
Sustainment Lead

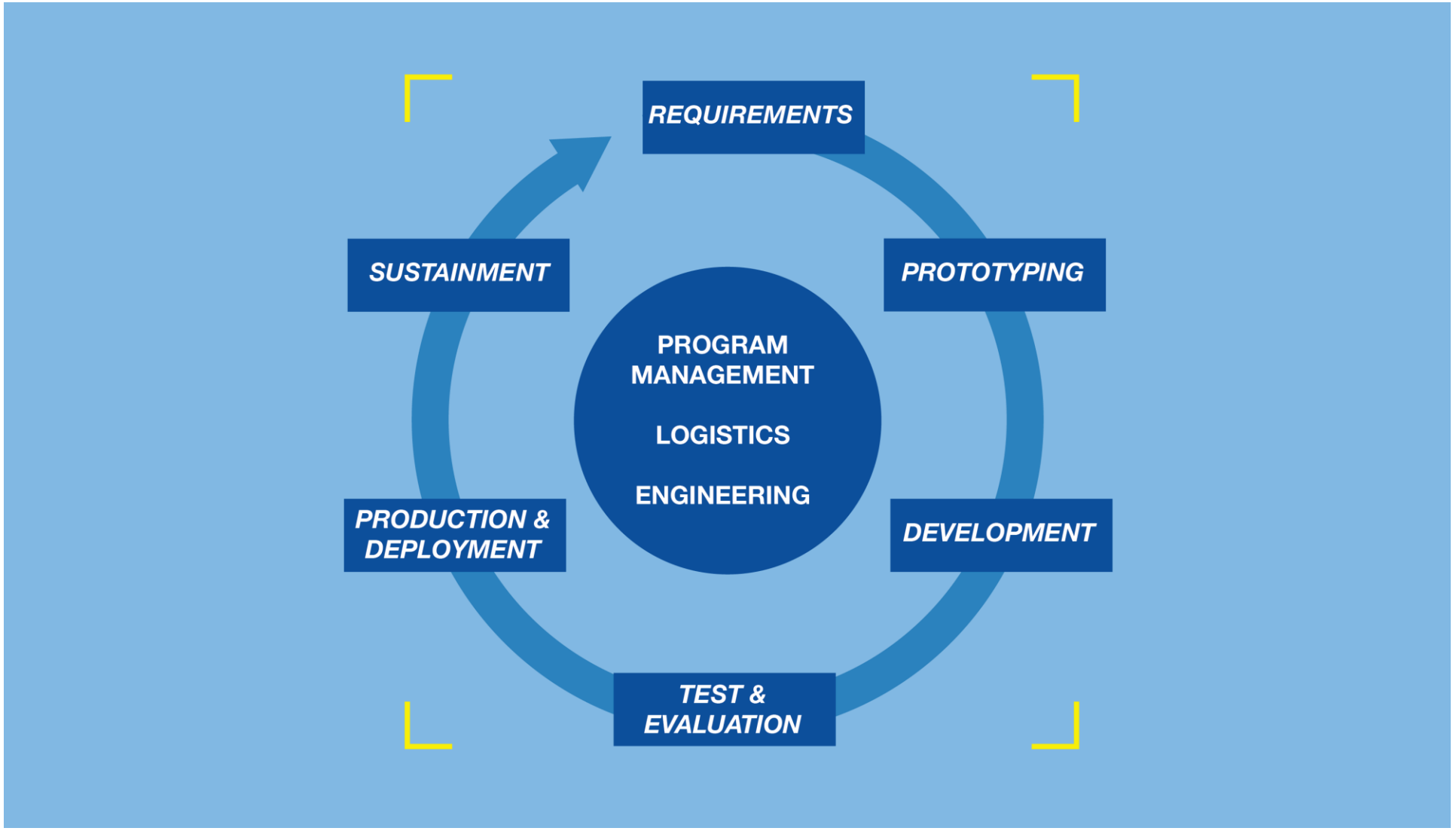
- **Common & Commercial System SE Division** BL21000
  - Aircraft Handling & Servicing SE Branch BL21200
  - Engine & Propulsion SE Branch BL21300
  - Aviation Sys/Airframe Integrity SE Branch BL21500
  - AWSE/WCSE Branch BL21800
  - CSE Program Implementation Branch BL21J00
- **PEO (A) & UAS SE Division** BL22000
  - H-1/CH-53/H-60 SE Branch BL22100
  - P-8/C-130/E-130 SE Branch BL22200
  - V-22/VH-92 SE Branch BL22400
  - Ashore UAS SE Branch BL22500
  - Afloat UAS SE Branch BL22600
- **PEO (T) & JSF SE Division** BL23000
  - Trainer Aircraft Programs/AEA SE Branch BL23100
  - F/A-18/E/A-18/NGAD SE Branch BL23200
  - E-2 SE Branch BL23500
  - F-35 SE Branch BL23600
- **SE Engineering Integration Division** BL25000
  - TPS Branch BL25100
  - SE Installation Branch BL25200
  - SE Software Branch BL25300
  - PSE Platform Support Branch BL25400
  - SE Cyber Branch BL25500
- **SE Logistics Integration Division** BL26000
  - SE Desg Interface/Maint Planning Branch BL26100
  - SE Tech Data & Training Branch BL26200
  - SE FMS Branch BL26300

Customers
- 23 NAVAIR PMAs
- 5 NAVSEA PMSs
- F-35 JSF JPO
- US Navy, Marines, Army & Air Force
- Partner Nations
- FMS Customers

10 Offsite Locations
- Indianapolis
- New River
- Hazelwood
- San Diego
- Miramar
- Crystal City
- Wright Patterson
- Patuxent River
- Beth Page
- Cherry Point

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Full Spectrum Life Cycle Support



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Support Equipment Defined


AN/AWM-103
Stores Management Subsystem Test Set

SE End Item Definition

Per NAMP 4790.2B CH-1

- Equipment required to make an aeronautical system, command and control system, support system, or end item of equipment (SE for SE) operational in its intended environment.
- Includes all equipment to ***launch, arrest (except ALRE), guide, control, direct, inspect, test, adjust, calibrate, gauge, measure, assemble, disassemble, handle, transport, safeguard, store, actuate, service, repair, overhaul, maintain, or operate*** the system, subsystem, end item, or component.

Note: Does not include common hand tools, Aircraft Inventory Record (AIR) items, items used only by the contractor; and personal equipment (head sets, microphones, PPE, etc.)

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SE is Used at All Maintenance Levels Located Worldwide at Shore, Ship and Mobile Maintenance Facilities

Aircraft Movement



- Tow Tractors
- Spotting Dollies
- Tow Bars
- Hand Steering Bar

Aircraft Servicing



- Fluids/Oils/Gasses
- Struts
- Tires
- Wash

Post-Mission Activities

- Transfer Mission Data
- Transfer Maintenance Data
- Red Gear
- Inspection



Pre-Flight Activities

- Transfer Mission Data
- HMD Ready Room Tester
- Inspection
- Chilled Fuel
- RRHB





Aircraft Mooring



- Secure/Chock
- Safing Pins
- Chains
- Red Gear

Armament & Weapons Handling Equipment/ Weapons Control SE



- Transport/Load Weapons
- Load CM Dispensers
- Check/Verify Stores Management Systems
- Reconfigure Aircraft



I-Level



- CASS Family of Testers/eCASS
- Avionics Test Sets
- Engine Module Swap and Repair
- Wheel and Tire Build Up
- Battery Servicing
- Composites

Depot Level Support

- Avionics/VMS
- Electrical System
- Fuel System
- Propulsion
- Landing Gear
- Structures



Maintenance/ Repair

- Airframe
- Surface Restoration
- Utility Systems
- Mission Systems
- Flight Controls
- Propulsion
- Hand Tool Kits
- Non-Destructive Inspection



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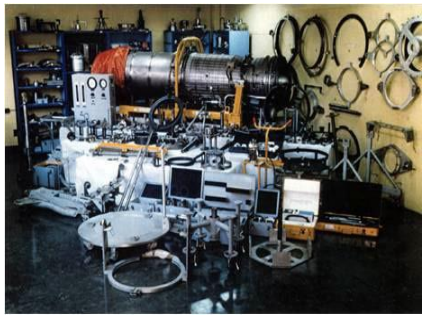
Support Equipment Defined

- **Common Support Equipment (CSE):** In general, CSE usually supports multiple systems across multiple aircraft platforms






- **Peculiar Support Equipment (PSE):** Item of SE that must be specifically designed and developed to meet unique requirements of a select aircraft or weapon system and does not meet the criteria of CSE



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Common Support Equipment

Automatic Test Systems

eCASS





EO Subsystem

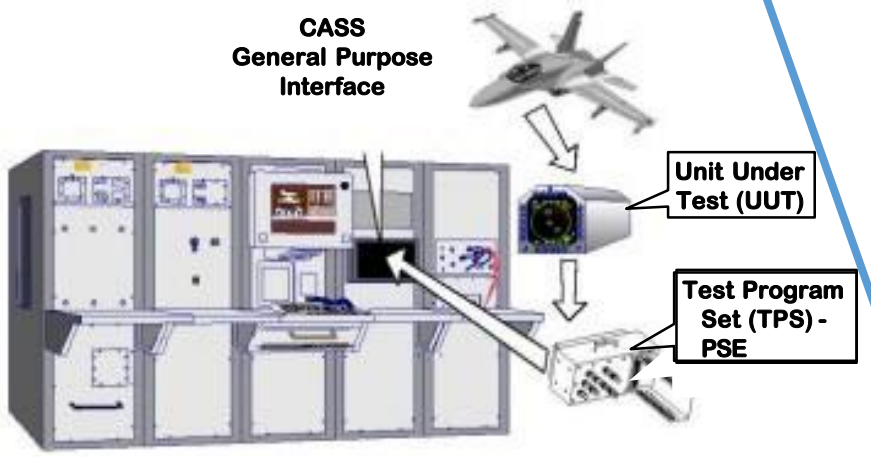


Operational Test Program Sets



RT-CASS

CASS General Purpose Interface



Common Ground Support Equipment

Corrosion Control



Aircraft Wiring SE



Flight Line Testers





Cryogenics SE



Engine Test Cells/ Propulsion SE



Aircraft Handling & Servicing Equipment



Non-Destructive Inspection





Bench Top Test Sets





Armament Handling & Transportation Equipment



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Peculiar Support Equipment







Hydraulic Power Supply (P-8)



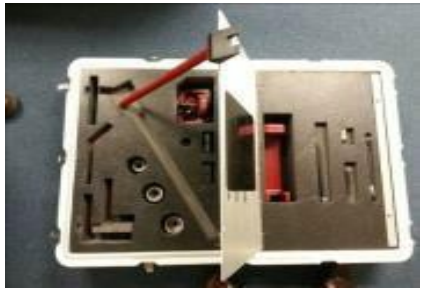
Multifunction Test Set (T-45)



UAV Launcher



Heavyweight Floor Crane (F-35)



Bridge Removal Tool Set (H-60)



Servo Cylinder Test Stand (F-18)



Battery Charger (MQ-4C)



Helmet Mounted Display Test Set (F-35)

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Current Challenges

- Data Rights
- Understanding the scope of work during bidding
- Consideration of technical requirements
- Performance of logistics deliverables
  - Tech Manuals, Bill of Materials, Logistics Product Data
  - Extensive gov't oversight, rework, and/or execution of CDRLs
- Awareness and knowledge of Blanket Purchase Agreement (BPA) process
  - Delays getting on approved list and navigating process
  - Ex: Parts Manufacturing
- Gov't ⇔ Industry capability awareness and access

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How Can Small Business Help

- Continued engagement
- Supplier/Sub-contractor engagement with primes
- CSS
- Obsolescence management
- Prototype development
- Build-to-print production manufacturing to meet U.S. and Foreign Partner/Customer requirements
  - Initial Outfitting
  - Replenishment
- Design modifications to address deficiencies or emerging requirements
- Repair support of fielded support equipment

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Future Requirements

- ***Requirement Title*:** 1553 DATBUS NETWORK TEST ADAPTER SETS (PSE) for the VH-92A Support Equipment Program

- ***Requirement Description***: Build to print production units consisting of cable adapter assemblies, transit case, and dunnage.

- ***Anticipated Contract Type***: Firm Fixed Price

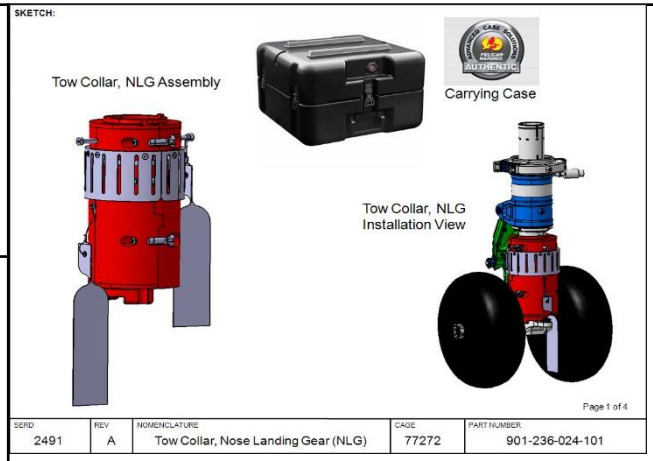
- ***Anticipated Solicitation/RFP Release Date***: FY26/FY27

- ***Current Contract Number***: N/A

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Future Requirements

Requirement Title:	V-22 IDIQ Tow Collar, Nose Landing Gear, Actuator/Proprotor Hub Pitch Assembly
Anticipated Contract Type:	Fixed-Price
Anticipated Award:	FY26Q1



Nose Landing Gear

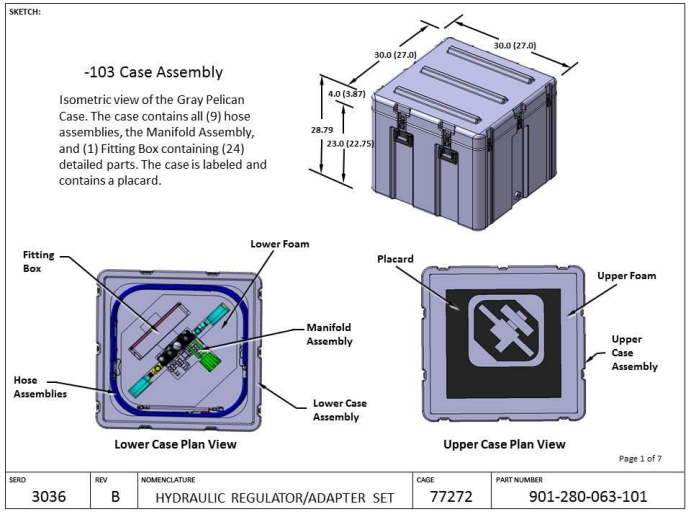


Actuator/Proprotor Hub Pitch Assembly

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Future Requirements

Requirement Title:	V-22 IDIQ Bearing Removal/Install Tool, Gimbal Bearing Compression Set, Load Engine I/R Assy Fixture, Hydraulic Regulator/Adapter Set
Anticipated Contract Type:	Fixed-Price
Anticipated Award:	FY26Q2

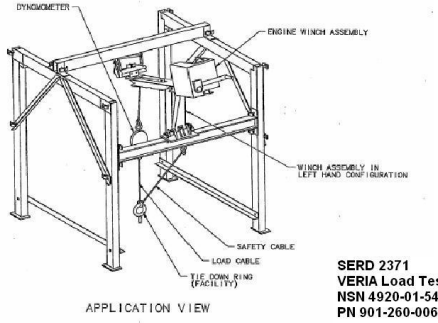


Gimbal Bearings Compression Set





Bearing Removal/Install Tool Set



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Summary

- SE acquisition and life cycle sustainment presents broad and unique challenges and opportunities
- Timely success is critical to ensuring capable mission readiness of aircraft and weapon systems
- SE Teams leverage the technical expertise of multi-disciplined personnel (gov't and CSS) and contracts with Industry to execute an expansive portfolio of CSE and PSE
- Successful Gov't and Industry partnerships are key

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NAWCAD Lakehurst Industry Day

Aircraft Launch and Recovery Equipment (ALRE) Department

09 June 2026

Presented by: Shaun Brown, ALRE PM Division Head & CAM

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Aircraft Launch & Recovery Equipment

"A System of Systems"

12 Systems

USMC EAF
- Airfield Surfacing (4)
- Lighting and Marking (4)
- Aircraft Recovery (3)
- Terminal Guidance

6 Systems

Launch
- D C-13 Steam Cat
  EMALS
- E JBD
- F ICCS
  E-2 / C-2 Holdback Bars

55 Systems

Enabling Distributed Maritime Operations

7 Systems

Info Systems
- A Moriah Wind System
  Digital Wind System (ACS)
  Type F Wind System (ACS)
  Aerovane Wind System (ACS)
- B LSODS
- C ADMACS (CVN)
  MADMS

External Interfaces
- NAVSSI
- SPN-46 (PMA213)
- SPN-41(PMA213)
- TPX-42 (PMA213)
- JPALS (PMA213)
- UCA (PMA268)
- CANES / CVDS

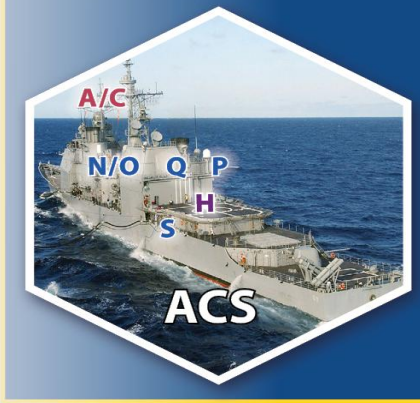


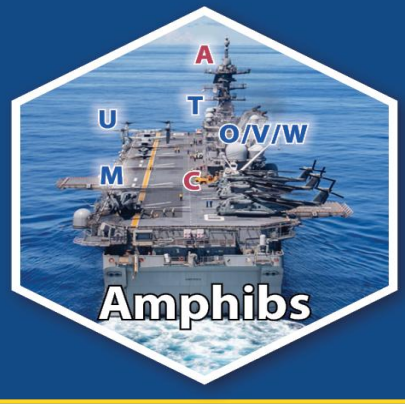
7 Systems

Recovery
- G AAG
  Mk-7
  ARC
- H RAST
  ASIST
- I Barricade
  CSM

23 Systems

Visual Landing Aids
- J IFLOLS
  MOVLAS
  FLOLS / LOLA (Airfield)
- K LRLS / ERLS
- L ILARTS
- M Marking / Lighting / LASSS
- T HOSS / ALLSS
- U STO
  PAPI (Airfield)
- N SGSI / ASGSI
- O Wave-off / Wave-off Cut
- P FDSSS / DSL
- Q HRS
  D-HRS
- S ALS-CPS
- V Marking / Lighting / AFDL
- W VSTOL-OLS
  HPI









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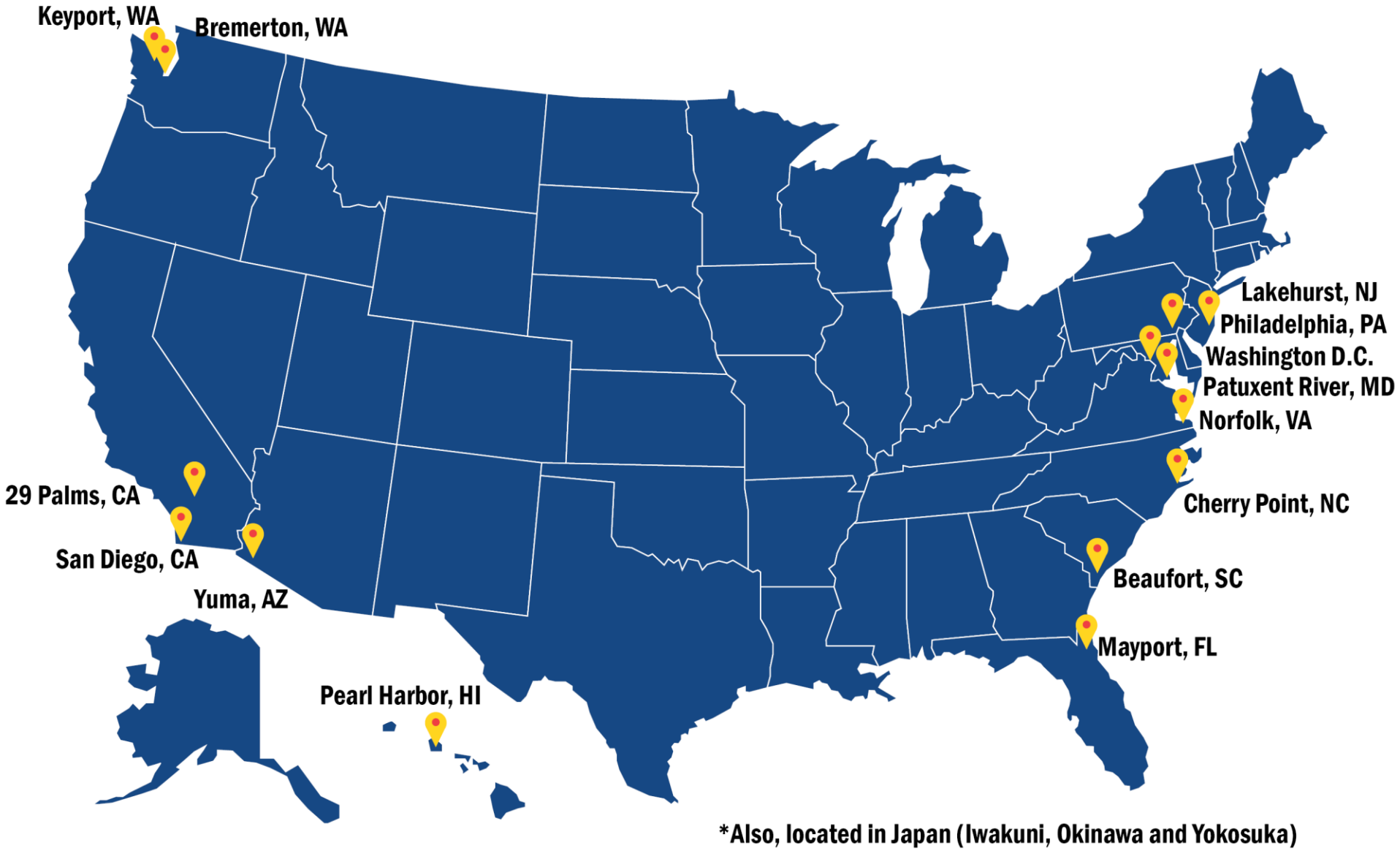
Our Mission

- The Aircraft Launch and Recovery Equipment program office (PMA-251) provides life-cycle acquisition management for Navy and Marine Corps systems and equipment utilized for the launch and recovery of current and future fixed and rotary wing aircraft. ALRE products include:
  - Catapults
  - Arresting gear
  - Helicopter landing systems
  - Wind measuring systems
  - Aviation-based information systems
  - Aviation marking and lighting
  - Launch and recovery surveillance systems and visual landing aids
  - Aircraft firefighting equipment
  - Expeditionary airfield systems and related products

Full life-cycle management from cradle to grave

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Our Workforce



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The Operational Landscape & Strategic Challenges

- PMA-251 supports/maintains 55 critical systems that **enable USN and USMC aircraft to launch and recover at sea** and at expeditionary sites worldwide. The product line supports our aviation kill chains and sustains our military advantage.

- Working in the Air/Ship Integration arena is an **incredibly challenging and rewarding** endeavor. The PMA-251 portfolio is complex, and the field of stakeholders is diverse.

- **Reliability and Obsolescence** challenges impact ALRE's ability to effectively deliver the most capable force possible.

- Partnerships with industry is essential to meet the ALRE Mission.

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High Level Scope of Tasking

- **Functional Disciplines:**
  - **Engineering (Systems, Hardware, Software)**
  - **Information Technology (including Cyber Security)**
  - **Program Management (including Acquisition)**
  - **Logistics (including Level of Repair Analysis and Training)**

- **Tasking addresses:**
  - **New design for new requirements**
  - **Enhancements for changing requirements**
  - **Obsolescence of HW and SW at all levels**
  - **Cyber Vulnerabilities**

We need your help!

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Opportunities for Contracting

- Product related support
  - Independently develop or produce all or part of any system within the product line
- Services support
  - Support developing or maintaining any of the systems within ALRE
- Other types of support
  - Alteration Installation Team (AIT)

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Planned Requirements

- Contracts for ALRE Services
  - Program Management
  - Engineering
  - Logistics

- ADMACS Next
  - Replacement of legacy ADMACS; complete redesign to both HW & SW
    - Open-system architecture & containerized SW

- Advanced Recovery Control Long Term Display (ARC LTD) Production
  - Build to Print

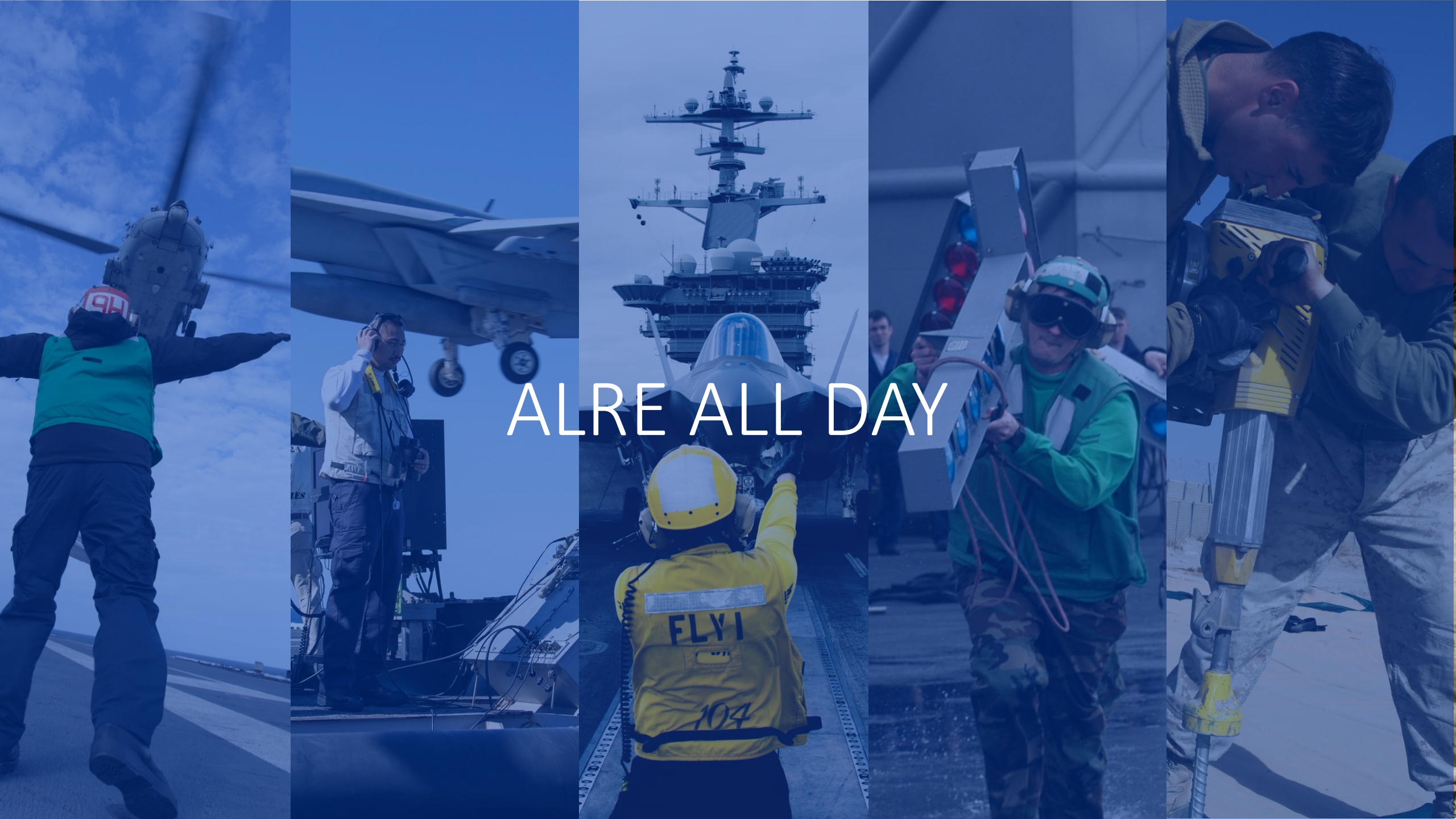
- C-13 Booster Pump
  - AoA & ECP scope

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Big Rocks

- Vendor engagement for supply & repair contracts
- Alternate/second source of supply
- Contractor Support Services (CSS)
- Partnerships to address:
  - Obsolescence / supply chain management
  - Reverse Engineering
  - Logistics products
  - Expedited prototype development
- Build to print production
- Rapid response to emerging requirements

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ALRE ALL DAY

NAWCAD Lakehurst Industry Day

Robotics & Autonomous Systems / Research & Analysis Support (RAS)² Department

09 June 2026

Presented by: Dr. James Hing, Department Head

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NAWCAD LAKEHURST

Overview
Robotics & Autonomous Systems / Research & Analysis Support (RAS)² Department

Gaining a Decisive Advantage: Integrating Unmanned Air Systems for a More Capable and Resilient Fleet

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POCs
- Dr. James Hing, (RAS)² Department Head, james.t.hing.civ@us.navy.mil
- David Guidry, (RAS)² Technical Director, david.m.guidry5.civ@us.navy.mil
- Mark Blair, NAWCAD LKE Lead Technologist, mark.r.blair.civ@us.navy.mil

Vision

- NAWCAD Lakehurst will be a **premier launch, recovery, and deck integration hub** for the full spectrum of Robotic and Autonomous Systems (RAS).
- Enable a distributed, autonomous, and resilient fleet by ensuring rapid **air vehicle turnaround** on all platforms.
- Be recognized as an engine of **innovation and rapid engineering support**, ensuring our sailors can succeed in every mission and return home safely.

Mission

- Deliver leading-edge Robotics, Autonomy, Cyber, and Engineering solutions to the fleet.
- Rapidly transition technology from industry to the warfighter, aiming for less than 1 year off-ramps for S&T development.
- Drive innovation, process improvement, and self-reliance to solve critical challenges and maximize future return on investment.

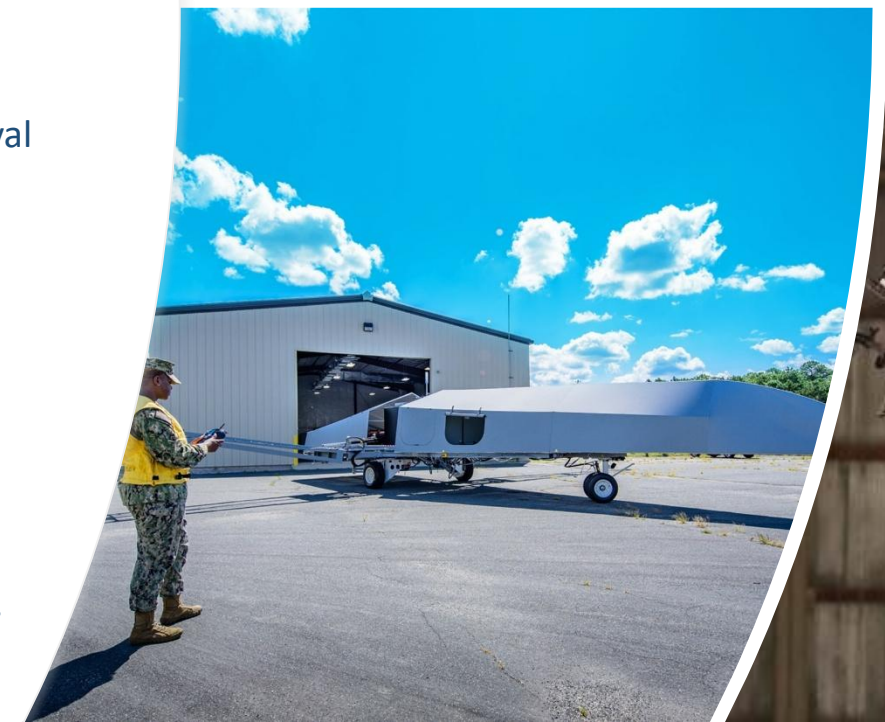


Integration S&T / Proving Grounds Division

- **Integration S&T**
  - Conducts R&D and provides subject matter expertise for:
    - **Aircraft Launch and Recovery Equipment (ALRE)**
    - **Support Equipment (SE)**
    - **Robotics and Autonomous Systems (RAS)**
    - **Cybersecurity**
  - Leads innovation in RAS, AI, and autonomy for naval operations.
  - Collaborates with other DoD and government research labs.
- **Proving Grounds (in Partnership with PMT Dept)**
  - Provides a **maritime emulation environment** for testing and evaluating RAS.
  - *Conducts rigorous testing of deck handling, autonomy, AI, and manned-unmanned teaming.*
  - Supports fleet experimentation and development.







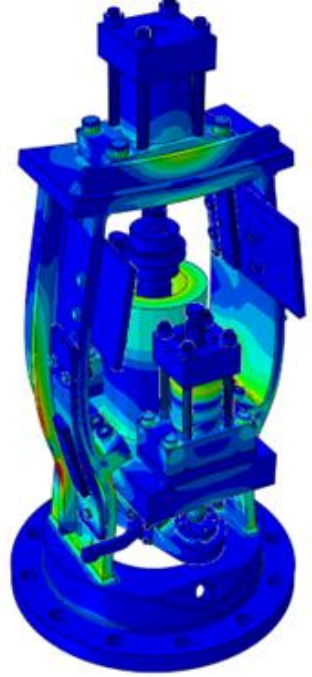


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Platform Integration Division

- Core Mission: Delivers **expert engineering, logistics, and full-system lifecycle support** for ALRE, SE, and RAS.
  - Advanced Methodologies:
    - Leverages **advanced structural analysis, rapid prototyping**, and **additive manufacturing** to accelerate development.
    - *Employs Digital Twin* and **VR/AR simulations** for immersive training development, and to improve system integration and fleet readiness.
  - System Design & Cybersecurity:
    - *Designs and develops novel solutions for launch, recovery, handling, and maintenance.*
    - Manages **cybersecurity** and provides expertise in **data analytics** and **condition-based maintenance**.









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NAWC
Aircraft Division
NAVAL AIR WARFARE CENTER
LAKEHURST

Integrated Diagnostics and Automated Test Systems
IDATS
TEST - REPAIR - FLY

ROBOTICS & INTELLIGENT SYSTEMS ENGINEERING LABORATORY
RISE
NAWCAD

CREATIVE LAB
VR/MR RESEARCH
NAWCAD LAKEHURST, NJ

3D PRINTING
3D SCANNING
COMPLEX ANALYSIS
PROTOTYPING
AUGMENTED REALITY
CAD MODELING
LAKEHURST ENGINEERING SUPPORT LAB
NAWCAD-LAKEHURST

(RAS)² Labs



Innovative Naval Sensing & Perception Improvement through Research & Engineering
[INSPIRE]

ADVANCED DECK HANDLING TECHNOLOGY EVALUATION CENTER
ADHATEC

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Three Focus Areas for Unmanned Launch & Recovery

Conventional Takeoff and Landing (CTOL) Aircraft

- Develop a **common rail launch system** for fixed-wing UAVs
- **Field first to expeditionary sites** (rapidly deployable airfields)
- **Adapt to maritime use**, starting with ESB and other appropriate classes



Vertical / Runway-Independent (VTOL & Near-VTOL) Aircraft

- Enable **runway-independent launch and recovery** across multiple ship classes
- Assess **launch/recovery spots** on each hull (air studies + ship structural analysis)
- Coordinate **UAV storage, weapons, and support requirements** with platform, air wing, and logistics stakeholders



Containerized Solutions (CTOL & VTOL)

- Develop **containerized launch/recovery modules** for both fixed-wing and VTOL UAVs
- Support **austere and maritime operations**: rapid deployment, swap-and-go payloads, and scalable coverage
- Enable **multi-mission use cases** (ISR, contested logistics/resupply, C3 relay, maritime awareness, EW, strike, ASW, etc.)



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NAWCAD Lakehurst Developmental Proving Grounds (UAS & RAS Deck Ops)

RDT&E Test Runway
- Electromagnetic & Steam Launch Capability
- Arresting Gear
- 12,000ft Configurable Test Runway

Ship Motion Platform & Superstructure
- Emulate sea-states and ship motion - Up to and including Sea State 4 for CVN and DDG Class ships.
- Pitch, Roll, Heave and simulated Yaw while rated for a payload of 100,000 lbs. Static tilt motion capable.
- 5 deg/sec Pitch, Roll; ~3'/sec Heave
- >900 sq feet of working space, 46' x 46' x 46' triangle
- Future Nighttime UAS Deck lighting capability expansion in work
- Simulate ship motion in a Quantifiable, Repeatable, and Testable environment.
- Available "bolt on" superstructure (~600sq ft.) to support UAV Group 1-3 operations



Advanced Deck Handling Technology Evaluation Center (ADHaTEC)
- Aircraft-sized Robotic Emulation Ground Vehicle replicating the MQ-25
- Features include: fold-out wingspan, actuating launch bar, tail hook
- Test deck handling technology and processes
- Train and evaluate Robotics and Autonomous Systems (RAS) operators

Elevated Fixed Platform
- Suitable for evaluation of UAV launch and recovery equipment
- Equipped with Recovery Assist Securing and Traversing (RAST) system
- Plan - Aircraft Ship Integrated Securing & Traversing (ASIST) system
- Reconfigurable Deck Lighting
- Reconfigurable Deck Markings

Motion Platform Aerial Sensor Suite (MPASS)
- 6DOF cable driven aerial test system (current indoor)
- Ongoing effort to interface with the Ship Motion Platform (outdoor)
- Enables testing of UAV sensor subsystems without the use of an airframe
- Algorithm development and shorter development cycle
- Degraded Environments evaluation



Robotic Support Equipment Platforms and Hardware
- Warthog Wheeled robotic platform for Support Equipment emulation
- Arm robotic platforms for manipulation capability testing
- Used to test shipboard robotics technology and algorithms

Motion Capture System
- A state-of-the-art mobile mocap system to track the movements of operators, and RAS
- Enables tracking of actions and gestures to be accurately replicated within a virtual environment. Crucial for testing and developing gesture recognition technology in control of RAS.
- Enables reinforcement learning for RAS

Virtual / Augmented Reality (VR/AR) Environments & Headsets
- Operators can wear VR/AR headsets to immerse themselves in the VR/AR flight deck environment, providing a realistic visual representation of aircraft, other personnel, and the surrounding environment.
- Test control of a robotic system on a VR/AR busy flight deck.



NAWCAD Lakehurst, NJ
Contact for more information
Robert Pellegrino – robert.a.pellegrino5.civ@us.navy.mil
James Hing – james.t.hing.civ@us.navy.mil

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Science & Technology (S&T) Objectives

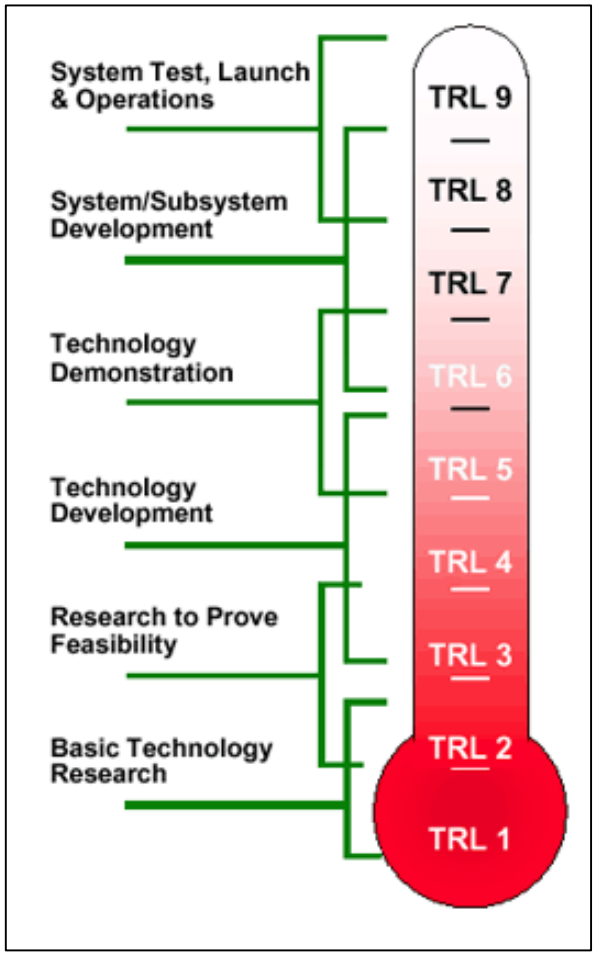
Examples from NAVAIR & NAWCAD BAAs	Example NAWCAD LKE S&T Related Works
Cyber-Resilient, Secure Communications & Networks	Proactive Cyber Defense Methods
	Securing Software Development Environments
Avionics, Sensors & Electronic Warfare	Vision Based Landing Technologies for UAS
	Advanced Sensing for Expeditionary Air Fields
Readiness and Sustainment	Automated Carrier Deck Operations Tracking
	Modernization of Test Sets
	Robotic Support Equipment
Human Systems Integration and Performance	Cross Deck Pendant Inspection Tool
	Augmented Reality Maintenance Aid

S&T POCS: NAWCAD Lead Technologist - Mark Blair (mark.r.blair.civ@us.navy.mil)
NAWCAD Lead Technologist - George Lehaf (george.i.lehaf.civ@us.navy.mil)

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Example Collaboration Avenues

- Agreements
  - Cooperative R&D Agreement (CRADA)
  - Commercial Service Agreements (CSA)
  - Patent License Agreement (PLA)
- National Security Innovation Network (DoD/NSIN)
- Small Business Innovation Research (SBIR)
  Small Business Technology Transfer (STTR)
- Joint Ventures
  - ONR BAA
    - Future Naval Capabilities (FNC), TRL 3-6 ($2M-$59M)
    - Innovative Naval Prototype (INP), TRL 3-6 ($10M+)
    - Technology Candidate, TRL 2-4, (<$500K)
    - TechSolutions, TRL 4-6 ($750K)
  - OSW
    - Applied Research for the Advancement of S&T Priorities (ARAP), TRL 2-4 ($500K - $15M per year)
    - Innovation & Modernization Office (U&M), TRL 3-6 ($1M per year)



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Prototype Manufacturing and Test Department Small Business Industry Day

9 June 2026

Presented by: Mr. Eric Kline
Prototype Manufacturing and Test Department Head

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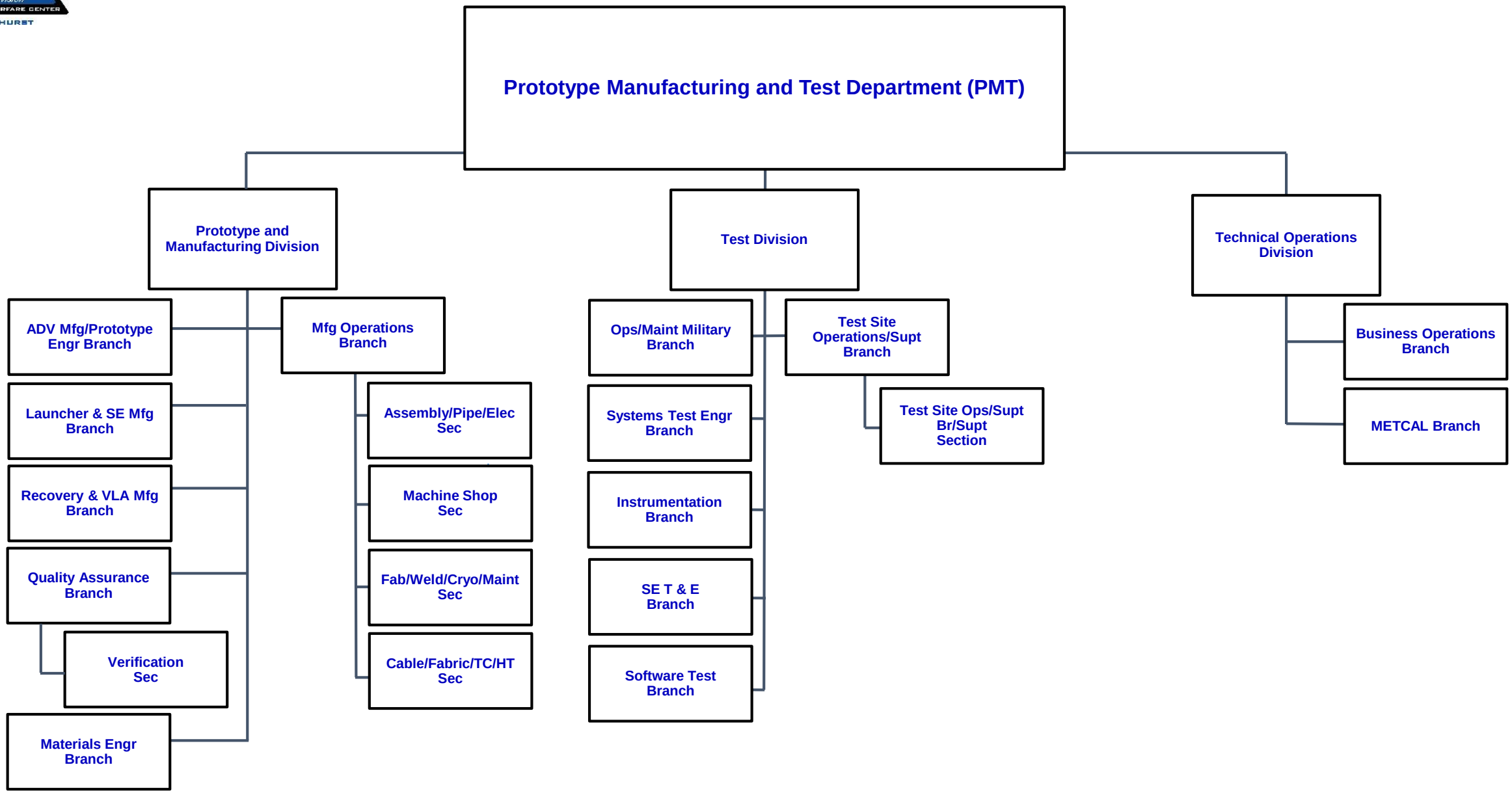
Mission Statement

The Prototype Manufacturing and Test (PMT) Department is a mission aligned multi-disciplined organization focused on providing rapid prototyping, unique expert manufacturing, industrial engineering services and testing expertise to support the design, development, fielding, maintenance and testing of ALRE and SE systems.



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NAWCAD LAKEHURST SE & ALRE GROUP
Prototype Manufacturing and Test Department



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Prototype and Manufacturing Division

- PMD is a rapid response facility serving the needs of the US armed services and its allies
- The products and services provided by PMD can be classified into three product and service lines:
  - Overhaul of Aircraft Launch and Recovery Equipment (ALRE) and Support Equipment (SE);
  - New manufacture of ALRE and SE systems, components, prototypes, and special tools;
  - Inspection services in accordance with the US Navy Flight Safe Program to include both at Lakehurst and contractor locations

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Test Division

- Electromagnetic Aircraft Launch System/Advanced Arresting Gear (EMALS/AAG) Full-Scale Test Facilities
  - Unique testing capabilities co-located with extensive manufacturing facilities and expertise - results in lower cost and rapid response to fleet requirements
- Acceptance Testing
  - All wire rope prior to manufacturing of arresting gear cross deck pendants
  - All launch valves prior to delivery to Nimitz class carriers
- Certification Testing
  - All Nimitz class carriers steam catapults
  - EMALS/AAG onboard Ford class carriers
  - EMALS/AAG operator/maintainer training of CVN-78 crew

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Environmental Test Laboratory (ETL)

- The NAWCAD Lakehurst ETL performs a wide range of MIL-STD-810 and custom tests that are uniquely tailored to specific product requirements
- ETL services are utilized during the entire product lifecycle, from product design and development to manufacturing and engineering investigations

Capabilities

- Environmental
  - Thermal Shock
  - Salt Fog
  - Drip
  - Blowing Rain
  - Light Weight Shock
- Proof Load
  - Hydraulic Load Frames
  - Mechanical Load Frames
- Additional
  - Environmental SMEs
  - Design/Consulting
  - Multi-function Climatic Chamber
  - Vibration Table
  - Hydraulic Horizontal Load Frame

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Depot Assigned ALRE Systems

MK7 Arresting Engines



ILLLV



IFLOLS/LOLA



VSTOL OLS



Manually Operated Visual Landing Aid System (MOVLAS)



LRLS



Flight Deck Signaling System (FDSS)



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Quality Considerations – Source Approval

- When is Source Approval required?
  - Source approval is required for a small subset of the ALRE population called Critical Application Items (CAI) and Critical Safety Items (CSI).
  - Of the approximately 21,000 ALRE parts, 1200 are CSI and 900 are CAI. Non-critical parts do not require source approval.
- Why do we do it?
  - Enables alternate manufacturing sources to qualify for items traditionally procured from restricted or sole sources.
  - Fosters competition and cost reduction while maintaining strict quality, reliability, and safety standards for the Fleet.

- What is a Source Approval Request (SAR) Package?
  - Vendors must submit a comprehensive SAR package to demonstrate their manufacturing capability.
  - Essential elements include technical data (drawings, specs), detailed manufacturing plans, quality assurance plans, and past performance history.

NAVSUP SAR for Spares

NAVSUP SAR for ROMM

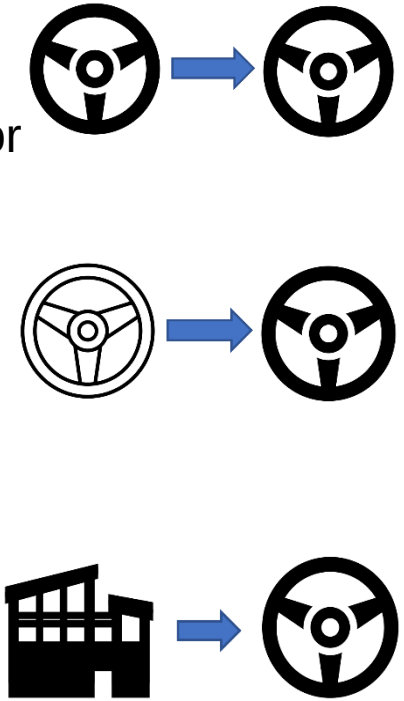
NAVSUP SAR Guide for Spares: https://go.mil/navsup-sar-spares-guide-2021

NAVSUP SAR Guide for Repair, Overhaul, Maintenance, and Modification: https://go.mil/navsup-sar-romm-guide-2022

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Quality Considerations – Source Approval

- Categories for submission
  - Category I (Exact Item): Vendor has previously manufactured the exact item for the Prime/OEM or Department of Defense.
  - Category II (Similar Item): Vendor has manufactured a similar complex item or the exact item but lacks complete historical documentation.
  - Category III (New Manufacturer): Vendor has no prior history with the exact or similar item; requires comprehensive qualification testing and evaluation.



- Evaluation and Approval Process
  - The cognizant Engineering Support Activity (ESA) conducts a rigorous technical review of the submitted SAR package.
  - Evaluates adherence to critical dimensions, material specifications, special processes, and quality controls.
  - Upon successful review and ESA approval, the vendor is officially added to the approved source list.
- Ultimate Strategic Goals
  - Expand the industrial base and mitigate supply chain bottlenecks.
  - Reduce costs without compromising safety, operational readiness, and mission effectiveness of the warfighter.

NAVSUP SAR Guide for Spares: https://go.mil/navsup-sar-spares-guide-2021

NAVSUP SAR Guide for Repair, Overhaul, Maintenance, and Modification: https://go.mil/navsup-sar-romm-guide-2022

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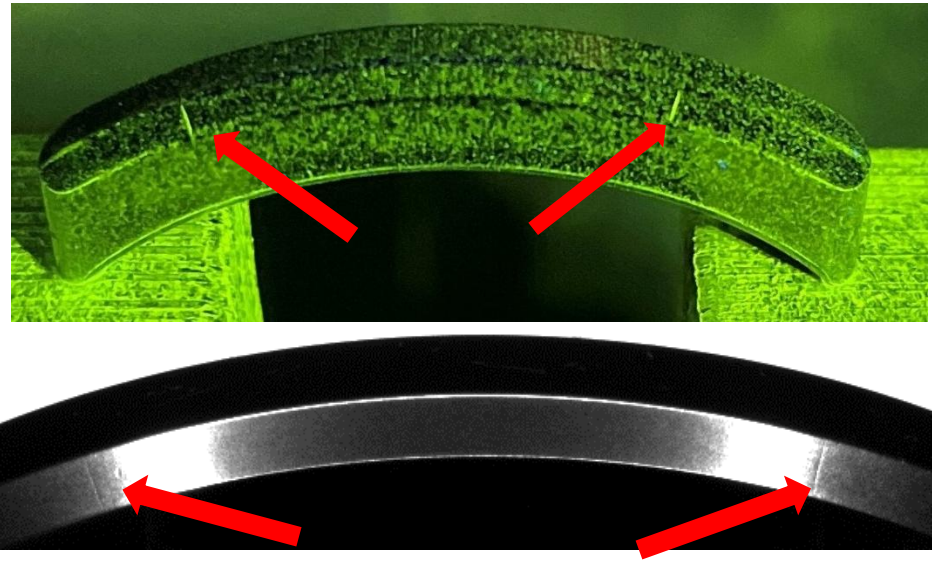
Quality Considerations – Part Qualification

Technical Data Package (TDP) Review

- Comprehensive assessment of critical drawings, specifications, tolerances, and design requirements.
- Verifies the prospective supplier has the correct and most current engineering data.

Manufacturing Process Evaluation

- Review of planning and sequence of operations to ensure process consistency.
- Specialized vetting of critical processes (welding, heat treating, plating, NDT).



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Quality Considerations – Part Qualification

Inspection and Testing Requirements

- First Article Testing, Production Lot Testing
- Dimensional Inspection, Material Analysis, Hardness Testing
- Non-Destructive Testing (Magnetic Particle, Liquid Penetrant, Ultrasonic, etc.)
- Functional Testing





Quality Management and Audit

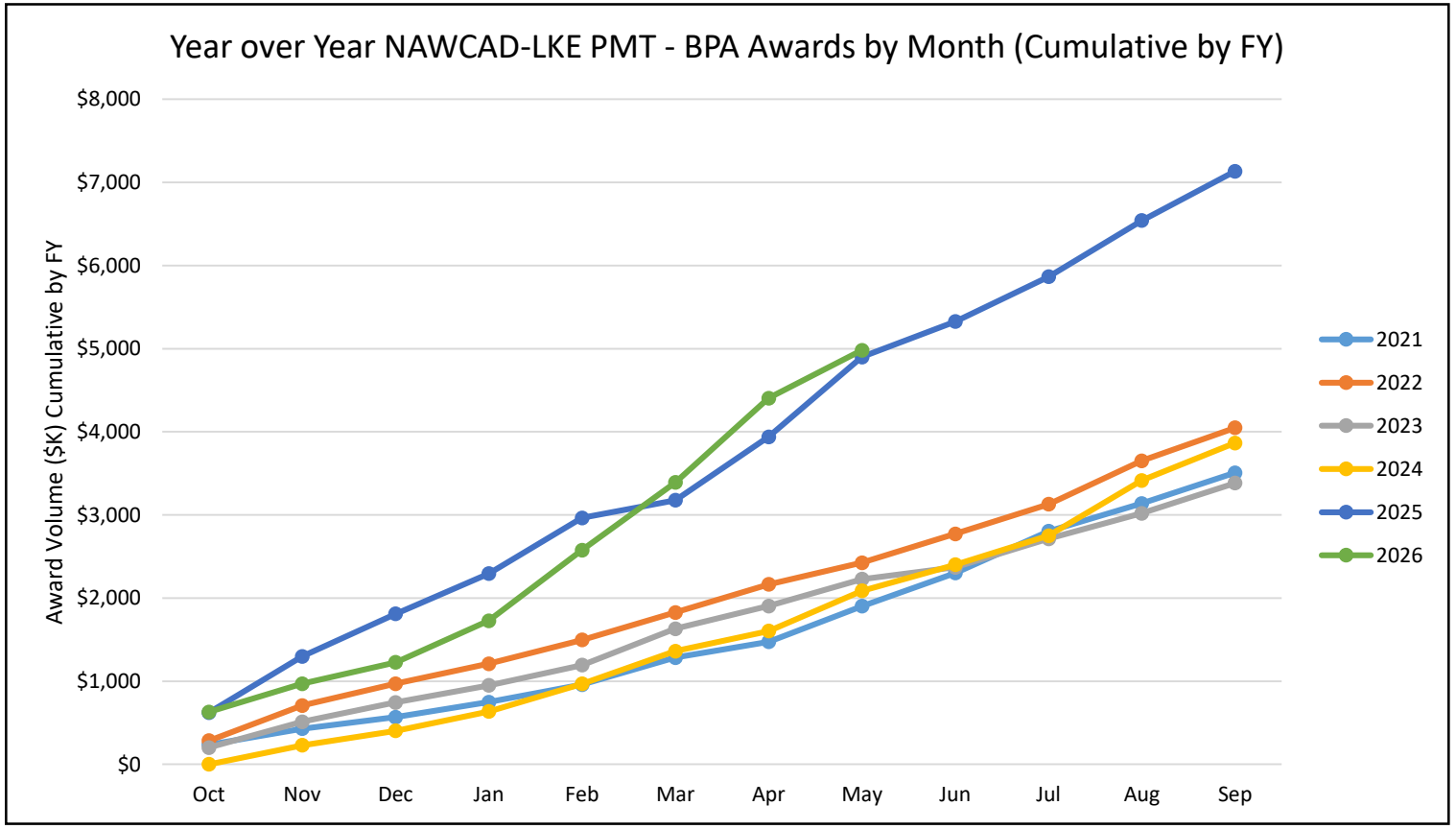
- Evaluation of vendor's Quality Management System (AS9100/ISO 9001).
- On-site audits to verify equipment, personnel, and traceability

Final Engineering Support Activity (ESA) Approval

- Final technical sign-off authorizes the manufacturer to produce the CSI

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NAWCAD-LKE PMT
Blanket Purchase Agreements (BPA)

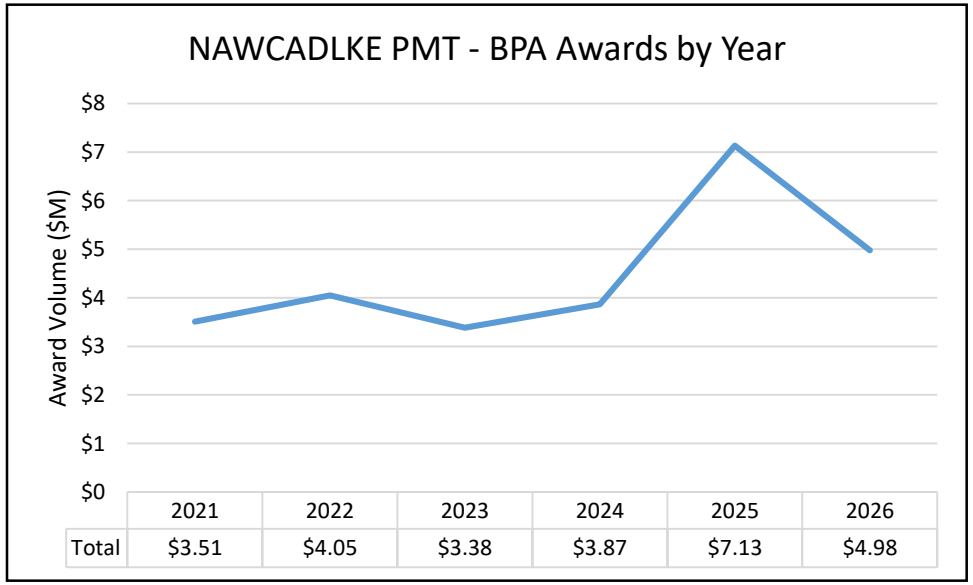


100% of awards to Small Business

FY26 Summary

462 Individual Awards

$4.98M Total Award Amount



	2021	2022	2023	2024	2025	2026
Total	$3.51	$4.05	$3.38	$3.87	$7.13	$4.98

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NAWCAD-LKE BPA Commodity Areas

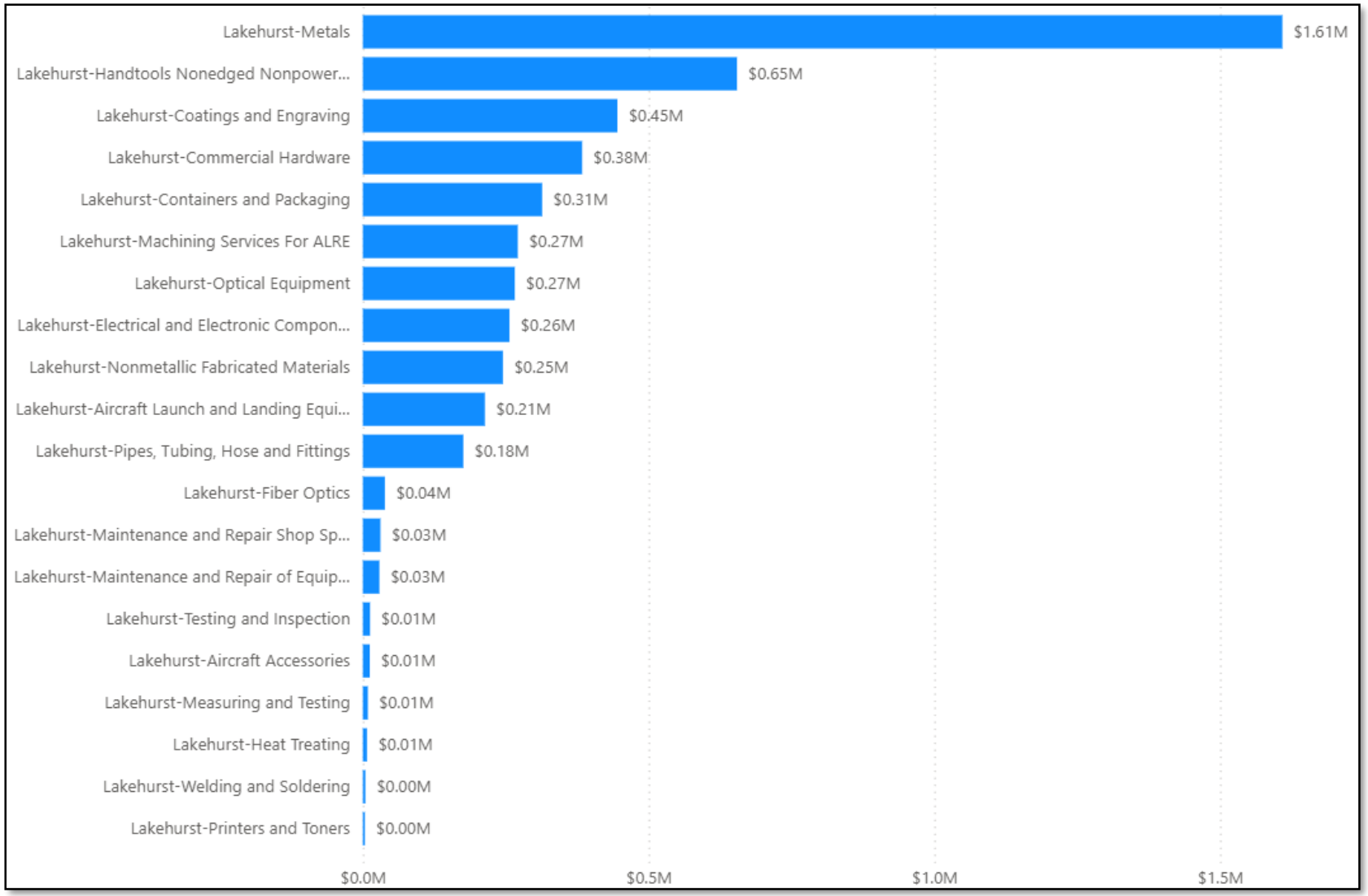
Commodity	PSC	NAICS
Air Conditioning	J041	238220
Aircraft Accessories	1680	811219
Aircraft Launch and Landing Equipment	1710	336413
Business Application Software	7A21	513210
Coatings and Engraving	J017	332812
Commercial and Institutional Building Construction	Z1AA	236220
Commercial Hardware	5340	332510
Compressed Gasses	6830	325120
Containers and Packaging	8145	321920
Converters Electrical Non Rotating and Batteries	6130	335999
Electrical and Electronic Components	5999	335999
Electrical Contractors and Other Wiring Installation	J059	238210
Fiber Optics	5970	335921
General Freight Trucking	V112	484121
Handtools Nonedged Nonpowered	5120	332216
Heat Treating	3424	332811
IT & Telecom	7E20	334111

Commodity	PSC	NAICS
Machine Repair	J036	811310
Machining Services For ALRE	1730	332710
Maintenance and Repair of Equipment	J066	811219
Maintenance and Repair Shop Specialized Equipment	4920	334519
Measuring and Testing	6625	334515
Metals	9530	331410
Nonmetallic Fabricated Materials	9390	326199
Optical Equipment	6650	333314
Photo Equipment	6720	333316
Pipes, Tubing, Hose and Fittings	4730	326220
Plumbing and Heating	J045	239220
Printers and Toners	7510	325910
Radar Equipment	5840	334511
Sets Kits and Outfits of Handtools	5180	332216
Testing and Inspection	6635	334513
Video Equipment	5820	334220
Welding and Soldering	3439	333999

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NAWCAD-LKE BPA FY25 Commodity Awards

NAWCAD-LKE PMT – FY 26 BPA Awards by Commodity



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Small Business Update



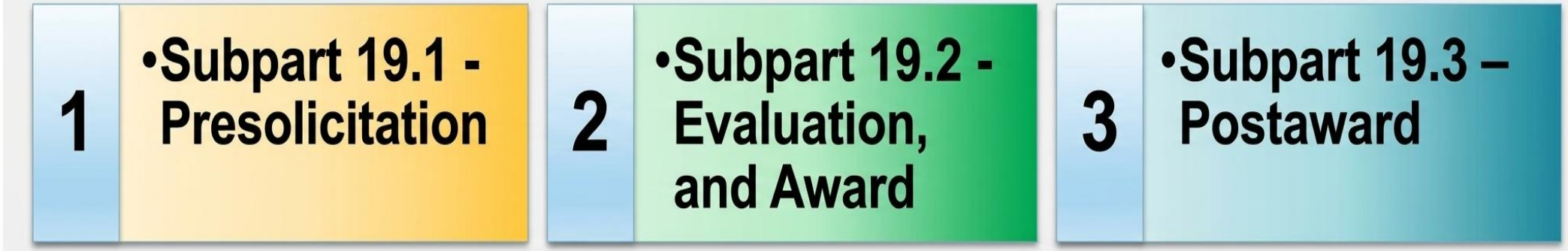
Presenter: Dawn Chartier, Deputy Director OSBP NAWCAD Lakehurst

Industry Version: June 2026

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FAR Part 19 Restructure

The revised part structure now reflects the acquisition lifecycle:



Unlike the previous version where you could find everything on a particular type of set aside (ex: 19.8 was all 8(a)), you now need to look at all three sections to get the complete picture of the topic

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Specific Section Removals and Relocations

The following content is outdated, redundant, or otherwise unnecessary and has been removed or relocated

Section 19.203 Relationship among small business programs	Section 19.502-5 Insufficient reasons for not setting aside an acquisition (new section 19.104)	Section 19.602-3 Resolving differences between the agency and the SBA
Section 19.706 Responsibilities of the cognizant administrative contracting officer	Section 19.707 The Small Business Administration's role in carrying out the program.	52.219-32 (Clause) Orders Issued Directly Under Small Business Reserves

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Companion Guide

The following non-regulatory content was moved to the FAR Companion to support best practices and sound procurement applications:

- Set-asides for orders under multiple-award contracts (former 19.504)
- Determining the appropriate NAICS code for the solicitation (former 19.102)
- Office of Small Business Disadvantaged Business (OSDBU) (former 19.201)
- Encouraging small business participation in acquisitions (former 19.201-1)
- Identification of manufacturers (former 19.505)
- Price evaluation preference for HUBZone small business concerns (former 19.1307)

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Small Business Set Asides – Rule of Two

19.104-1 Total small business set-asides.

(a) A "set-aside for small business" is the limiting of an acquisition exclusively for participation by small business concerns. For contracts **above the micro-purchase threshold, the contracting officer must set the contract aside for small business** if there is a reasonable expectation of obtaining offers—

(1) From two or more responsible small business concerns; and

(2) That are competitive in terms of fair market prices, quality, and delivery.

(b)(1) The contracting officer makes the determination to do a small business set-aside under paragraph (a). The contracting officer must document the reason when a contract is not set aside for small business as required.

(2) If the contracting officer rejects a recommendation by SBA to do a small business set-aside, see 19.102(f).

(c) The requirement in paragraph (a) of this section does not apply to purchases at or below the micro-purchase threshold or purchases from required sources under part 8 (*e.g.,* Committee for Purchase From People Who are Blind or Severely Disabled).

(d) When using competitive procedures in accordance with 8.304(b)(1), agencies must include Federal Prison Industries, Inc. (FPI), in the solicitation process for a small business set-aside and consider a timely offer from FPI.

(e) The requirements of paragraph (a) do not preclude the contracting officer from awarding a contract to a small business under the HUBZone Program, SDVOSB Program, WOSB Program, or 8(a) Program. See FAR 19.105 through 19.108.

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Size Standards and NAICS Codes

SIZE STANDARDS

19.103 new reference for size standards. Still based on NAICS Code.

SBA determines the size status of a concern, including its affiliates, as of the date the concern represents that it is small to the contracting officer as part of its initial offer, which includes price.

For MAC type contracts that do not require offers for the contract to include price, SBA determines the size as of the date of the initial offer for the MAC, whether or not the offer includes price or the price is evaluated.

NOTE: Previous FAR Clause 52.219-28 required size standard rerepresentation at the order level. The new FAR Clause 52.219-28 no longer includes the order level rerepresentation requirement.

NAICS CODES (FAR 19.103)

Unless required to do otherwise, contracting officers must assign one NAICS Code and corresponding size standard to all solicitations, contracts, and task or delivery orders. The contracting officer must determine the appropriate NAICS Code by classifying the product or service being acquired in the one industry that best describes the principal purpose of the supply or service being acquired (prior to Oct 2028)

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8(a) Offering Letter Cont.

Sole source requirements, other than construction, should be forwarded directly to the district office that services the nominated 8(a) participant. If the contracting officer is not nominating a specific 8(a) participant, the offering letter should be forwarded to the district office servicing the geographical area in which the contracting office is located.

All requirements for 8(a) **competition**, other than construction, should be forwarded to the district office servicing the geographical area in which the contracting office is located. All requirements for 8(a) construction competition should be forwarded to the district office servicing the geographical area in which all or the major portion of the construction is to be performed. All requirements, including construction, must be synopsized through the GPE. For construction, the synopsis must include the geographical area of the competition set forth in the SBA's acceptance letter.
NOTE: Competitive 8(a) efforts require 2 Offering Letters. The 1st goes to the SBA office where the Contracting Office is located (ie. Lakehurst would be Newark, NJ). Once evaluations are completed, a 2nd Offering Letter would be sent to the SBA office associated with the apparent awardee.

SBA Acceptance:
Above SAP SBA has 10 working days of receipt. No response Specialist should contact the Associate Administrator for Business Development (AABD) at SBA. If the AABD does not reply within 5 calendar days, the contracting officer may assume SBA has accepted the offer
Below SAP, the contracting officer may assume that SBA has accepted the offer within two working days.

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8(a)

19.108-6 Basic ordering agreements and blanket purchase agreements.
(a) The contracting office must submit an offering letter for, and SBA must accept, each order under a basic ordering agreement (BOA) or a blanket purchase agreement (BPA) (see 12.201-1), in addition to the agency offering and SBA accepting the BOA or BPA itself.

(b) SBA will not accept for award on a sole-source basis any order that would cause the total dollar amount of orders issued under a specific BOA or BPA to exceed the competitive threshold amount in 19.108-7.

(c) Once an 8(a) participant's program term expires, the participant otherwise exits the 8(a) program, or becomes other than small for the NAICS code assigned under the BOA or the BPA, SBA will not accept new orders under the BOA or BPA for the participant.

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8(a)

19.108-7 Competitive 8(a) and sole source 8(a) policy.

(a) *Competitive 8(a) policy.* An acquisition offered to the SBA under the 8(a) program must be awarded on the basis of competition limited to eligible 8(a) participants when—

(1) There is a reasonable expectation that at least two eligible and responsible 8(a) participants will submit offers and that award can be made at a fair market price; and

(2) The anticipated total value of the contract, including options, will exceed $8.5 million for acquisitions assigned manufacturing North American Industry Classification System (NAICS) codes and $5.5 million for all other acquisitions.

(b) *Above competitive thresholds*. Where an acquisition exceeds the competitive threshold (see paragraph (a)(2) of this section), the SBA may accept the requirement for a sole source 8(a) award only after the contracting officer has complied with the requirements for other than full and open competition in accordance with 6.103.

(c) *Prohibition on splitting requirements*. A proposed 8(a) requirement with an estimated value exceeding the applicable competitive threshold amount shall not be divided into several requirements for lesser amounts in order to use 8(a) sole source procedures for award to a single firm.

8(a) cont.

(d) *Below competitive thresholds*.

(1) To ensure fair market pricing and to prepare 8(a) participants for competition, SBA has approved certain government-wide contracts for competition amongst the 8(a) contract-holders (see 19.111-2) at any dollar value, including below the competitive thresholds. **Where an acquisition is below the competitive threshold (see paragraph (a)(2) of this section), contracting officers must first try conducting the acquisition as a competitive 8(a) order using these government-wide contracts before proceeding with a sole source 8(a) award. To determine whether SBA has provided approval for a particular government-wide contract, refer to the ordering procedures for that contract.**

(2) The SBA Associate Administrator for Business Development may approve a contracting office's request for a competitive 8(a) award below the competitive thresholds when not using the contracts referenced in paragraph (d)(1). Such requests will be approved only on a limited basis and will be primarily granted where technical competitions are appropriate or where a large number of responsible 8(a) participants are available for competition. In determining whether a request to compete below the threshold will be approved, the SBA Associate Administrator for Business Development will, in part, consider the extent to which the contracting activity is supporting the 8(a) program on a noncompetitive basis. The agency may include recommendations for competition below the threshold in the offering letter or by separate correspondence to the SBA Associate Administrator for Business Development.

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8(a) cont.

DFAR PGI 219.208-1 – Procedures for competitive 8(a).

(b)(1)(A) For requirements processed under the agreement cited in DFARS 219.108-1

(2) For negotiated acquisitions, the contracting officer may submit a request for eligibility determination on all firms in the competitive range if discussions are to be conducted, or on all firms with a realistic chance of award if no discussions are to be conducted.

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ANC/Indian/Native Hawaiian follow-ons 8(a)

19.208-2

(6) An 8(a) participant owned by an Alaska Native Corporation, Indian Tribe, Native Hawaiian Organization, or Community Development Corporation may not receive an 8(a) sole-source award that is a follow-on contract to an 8(a) contract, if the predecessor contract was performed by another 8(a) participant (or former 8(a) participant) owned by the same Alaska Native Corporation, Indian Tribe, Native Hawaiian Organization, or Community Development Corporation. See 13 CFR 124.109 through 124.111.

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Releasing requirements from the 8(a) Program

19.108-11 Release requirements for non-8(a) procurement.

(a) Once a requirement has been accepted by SBA into the 8(a) program, any follow-on requirements (see definition at 13 CFR 124.3) must remain in the 8(a) program unless—

(1) There is a mandatory source (see 8.101 through 8.103);

(2) **The follow-on will be set aside under the HUBZone, SDVOSB, or WOSB programs; or**

(3) SBA agrees to release the requirement from the 8(a) program for a follow-on, non-8(a) procurement in accordance with 13 CFR 124.504(d) (see paragraph (b) of this section).

(b) To obtain release of a requirement from the 8(a) program, the contracting officer must make a written request to, and receive concurrence from, the SBA Associate Administrator for Business Development.

(c)(1) The written request to the SBA Associate Administrator for Business Development must indicate—

(i) Whether the agency has achieved its small disadvantaged business goal;

(ii) Whether the agency has achieved its HUBZone, SDVOSB, WOSB, or small business goal(s); and

(iii) Whether the requirement is critical to the business development of the 8(a) contractor that is currently performing the requirement.

(2) The requirement that a follow-on procurement must be released from the 8(a) program in order for it to be fulfilled outside the 8(a) program does not apply to task or delivery orders offered to and accepted into the 8(a) program, where the basic contract was not accepted into the 8(a) program.

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Releasing requirements from the 8(a) Program
cont.

As stated in the FAR Companion Guide: FC 19.108-11(a)(2) Release from the 8(a) program. A requirement is automatically released from the 8(a) program if a follow-on procurement is set aside for the HUBZone, SDVOSB, or WOSB programs, or a mandatory source is identified to meet the requirement per FAR 19.108-11(a)(1). In such cases, a formal release request is not necessary. This ensures that follow-on procurements remain within the small business program.

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Limitation on Subcontracting in the 8(a) Program

19.108-8 Limitations on subcontracting and nonmanufacturer rule.

(a) Limitations on subcontracting. To be awarded a contract or order under the 8(a) program, the 8(a) participant is required to perform—

(1) For services (except construction), **at least 50 percent of the cost incurred for personnel with its own employees**;

(2) For supplies or products (other than a procurement from a nonmanufacturer of such supplies or products), **at least 50 percent of the cost of manufacturing the supplies or products (not including the cost of materials);**

(3) For general construction, at least 15 percent of the cost with its own employees (not including the cost of materials); and

(4) For construction by special trade contractors, at least 25 percent of the cost with its own employees (not including the cost of materials).

(b) Compliance period for limitations on subcontracting. An 8(a) contractor is required to comply with the limitations on subcontracting—

(1) For a contract under the 8(a) program, either by the end of the base term and then by the end of each subsequent option period or by the end of the performance period for each order issued under the contract, at the contracting officer's discretion; and

(2) For an order competed exclusively among contractors who are 8(a) participants, by the end of the performance period for the order.

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8(a) Awards

DFAR PGI 219.208-7 Preparing the contracts.

(1) Sole source or competitive awards under the PA cited in DFARS 219.108-1 may be made directly to the 8(a) contractor and, except as provided in paragraph (2) of this subsection, award documents shall be prepared in accordance with procedures established for non-8(a) contracts, using any otherwise authorized award forms. The "Issued by" block shall identify the awarding DoD contracting office. The contractor's name and address shall be that of the 8(a) participant.

(2) Use the following alternative procedures for direct awards made under the PA:

i. Cite 10 U.S.C. 3204(a)(5) as the authority for use of other than full and open competition.

ii. Include the clause at DFARS 252.219-7009, Section 8(a) Direct Award, in accordance with the prescription at DFARS 219.108-10(1). Identify the cognizant SBA district office for the 8(a) contractor.

iii. No SBA contract number is required.

iv. Do not require SBA signature on the award document.

NOTE: This differs from FAR 19.208-7

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Socio Economic Categories and Preferences

Historically Underutilized Business Zone (HUBZone) FAR 19.105
Service Disabled Veteran Owned Small Business (SDVOSB)) FAR 19.106
Women Owned Small Business (WOSB)/Economically Disadvantaged WOSB (EDWOSB) FAR 19.107

The new FAR no longer has a preference for the socio economic categories.
HOWEVER, set asides and sole sources within the categories should still be considered.
REMINDER – WOSB/EDWOSB, SDVOSB and HUBZone set asides require the Small Business to be SBA certified in order to participate in a set aside for any of the socio economic categories (ie: if a WOSB set aside the Small Business must be a SBA certified WOSB to participate it that set aside). FAR19.201-1(a)(2)

Set Asides in each of the categories should be considered before sole source awards.

Socio economic sole sources are limited to $8.5M for a manufacturing NAICS Code and $5.5M for all other NAICS Code (HUBZone and WOSB) and $5M for all other NAICS Code (SDVOSB).

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NonManufacturer Rule

19.104-1(f)
(1) Any concern, including a supplier, that is awarded a contract or order subject to the nonmanufacturer rule, other than a construction or service acquisition, but proposes to furnish an end item that it did not itself manufacture, process, or produce (*i.e.*, a "nonmanufacturer"), **is required to provide an end item that a small business has manufactured, processed, or produced** in the United States or its outlying areas.

(2) When the end item being acquired is a kit of supplies the offeror may not exceed 500 employees, or 150 employees for information technology value-added resellers under NAICS code 541519.

(3)(i) The SBA may grant an individual or a class waiver to the nonmanufacturer rule to allow a nonmanufacturer to **provide an end item of an other than small business** without regard to the place of manufacture, processing, or production. (explains the difference between class and individual waivers)

(4)(i) If at least 50 percent of the estimated contract value is composed of items that are manufactured, processed, or produced by small business concerns, then a waiver of the nonmanufacturer rule is not required. There is no requirement that each item acquired in a multiple-item acquisition be manufactured, processed, or produced by a small business in the United States or its outlying areas.
(ii) If more than 50 percent of the estimated acquisition cost is composed of items manufactured, processed, or produced by other than small business concerns, then a waiver is required. SBA may grant an individual waiver for one or more items in an acquisition in order to ensure that at least 50 percent of the cost of the items to be supplied by the nonmanufacturer comes from small business manufacturers, processors, and producers in the United States or its outlying areas or are subject to a waiver.
(iii) If a small business offeror is both a manufacturer of item(s) and a nonmanufacturer of other item(s) for an acquisition, the contracting officer must apply the manufacturer size standard.

Certificate of Competency

19.204 Certificate of Competency.
A Certificate of Competency (COC) is the certificate SBA issues stating that, for the purpose of receiving and performing a specific Government contract, the holder is responsible with respect to all elements of responsibility, including, but not limited to, capability, competency, capacity, credit, integrity, perseverance, tenacity, and limitations on subcontracting.

(a) The COC program empowers SBA to certify to Government contracting officers regarding all elements of responsibility of any small business concern to receive and perform a specific Government contract. The COC program does not extend to questions concerning regulatory requirements that other Federal agencies impose and enforce.

(b) The COC program applies to all Government acquisitions except for 8(a) sole-source awards. If a contracting officer determines an apparent successful small business offeror to be nonresponsible, the contracting officer must refer that small business to SBA for a possible COC, even if the next acceptable offer is from a small business. Contracting officers, including those located overseas, must comply with this section for U.S. small business concerns.

(c) When a solicitation requires a small business to comply with the limitations on subcontracting, a contracting officer's finding that a small business cannot comply with the limitation must be treated as an element of responsibility and must be subject to the COC process.

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Certificate of Competency cont.

(d) When a contracting officer determines and documents that an apparent successful small business offeror lacks one or more elements of responsibility listed in the introductory text of this section (for sureties see 28.101-3(f) and 28.203-1(e)), the contracting officer must—
(1) Withhold contract award; and
(2) Refer the matter to the appropriate SBA Government Contracting Area Office (Area Office) serving the area where the offeror's headquarters is located, in accordance with agency procedures.

(e) The referral must include—
(1) A notice that a small business concern has been determined to be nonresponsible, specifying the element(s) of responsibility the contracting officer found lacking; and
(2) If applicable, a copy of the following:
(i) Solicitation.
(ii) Final offer submitted by the apparent successful offeror whose responsibility is at issue.

(f) The contracting officer must withhold award for a period of 15 business days following receipt by the appropriate SBA Area Office of a referral that includes all required documentation.

(j) The contracting officer must award the contract to another appropriately selected and responsible offeror if SBA has not issued a COC within 15 business days after receiving the referral.

Certificate of Competency cont.

DFAR PGI 219.104

When making a small business concern nonresponsibility determination, the contracting officer will notify the contracting activity's small business specialist.

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Equal Low Bids

19.203 Equal low bids.
(a) In the event of equal low bids (see 14.408-6), make awards first to small business concerns that are also labor surplus area concerns, and second to small business concerns that are not also labor surplus area concerns.

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QUESTIONS

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