



NAVAIR Overview





NAVAIR History

1911

First Navy aircraft purchased from the Glenn Curtiss company of Hammondsport, NY



Congress established Bureau of Aeronautics (BuAer) to create a single organizational home for naval aviation

Rear Admiral William A. Moffett named first Chief of BuAer

1921



At the start of World War II, the Navy had **1,800 combat aircraft**. By the end of the war, the Navy had **41,000 total aircraft**.



1959

BuAer merged with Bureau of Ordnance to form Bureau of Naval Weapons



Naval Air Systems Command (NAVAIRSYSCOM) established

1966

1985

NAVAIR now reports directly to Chief of Naval Operations



NAVAIRSYSCOM moves to Patuxent River Naval Air Station

1996

Today





NAVAIR's Role in Naval Aviation

DEVELOP, acquire and support aircraft, weapons and related systems which can be operated and sustained at sea

PROVIDE analysis and decision support for cost / schedule / performance trades and investment decisions

INCREASE Navy and Marine Corps capability, readiness and affordability in a joint / coalition environment

Deliver integrated air warfare capabilities to enable the fleet to compete, deter and win – tonight, tomorrow and in the future.





NAVAIR Core Values and Behaviors

"Our North Star is delivering the warfighting capability the fleet needs to win, at a cost we can afford."

CORE VALUES



Start with the Fleet.

Focus on outcomes that matter to the Warfighter.



Change the Game.

Be bold. Challenge assumptions.
Innovate, learn and improve.



Win with Dignity and Respect.

We are better together.

BEHAVIORS FOR A WINNING CULTURE

- **Be bold.** Challenge assumptions. Don't take no from someone who can't give you a yes.
- **Raise issues quickly.** Don't sit the sidelines if you see something isn't working.
- **Think differently.** Look at the problem from a new perspective. Redefine "how" we execute to achieve required outcomes.
- **When in command, command.** Make the hard decisions and own the results.
- **Listen first.** Be open to ideas that are different from your own. Provide feedback.
- **Look long for the lineup.** The future is now. Define your North Star.
- **Get Real.** Take time to understand the problem before you put in a fix. Slow down to speed up.
- **Have an abundance vs. scarcity mindset.** How we will vs. why we can't.
- **Get better.** Start with outcomes that matter to the Fleet. Address root cause. Measure outcomes.
- **Practice "Appreciative Inquiry."** Find what's working. Teach others. Scale successes.
- **Be cost conscious.** Every dollar counts.
- **Be data driven.** Measure what's important to the customer.
- **Strengthen partnerships.** Increase collaboration and trust.
- **Include everyone on the team.** Invite inquiry and healthy debate. Empower each other to decide and act.





Priorities and Focus Areas



- Deliver what the fleet needs now
- Modernize “how” we deliver, integrate, test, field and sustain capability
- Focus on capability, affordability, availability across three time horizons – today, tomorrow and in the future.
- Measure our success based on outcomes that matter to the fleet.

Deliver the warfighting capability the fleet needs to win, at a cost we can afford.



NAVAIR Snapshot

Full Life-Cycle Management

Requests,
Risks from Fleet,
OPNAV

Materiel
Solution
Analysis

Technology
Maturation &
Risk Reduction

Engineering &
Manufacturing
Development

Production &
Deployment

Operations &
Support

Whidbey Island
Fleet Readiness Center
Northwest

Lemoore
Fleet Readiness Center
West

China Lake
NAWCWD

Point Mugu
NAWCWD

North Island
Fleet Readiness Center
Southwest

Atsugi, Japan
Fleet Readiness Center
WestPac

Fort Worth
Fleet Readiness Center Reserve
Mid-West

Lakehurst
NAWCAD

Patuxent River
NAVAIR HQ, COMFRC, PEOs, NAWCAD

Cherry Point
Fleet Readiness Center East

Jacksonville
Fleet Readiness Center Southeast

Orlando
NAWCTSD

NAWCAD
East Coast Hub



NAWCWD
West Coast Hub



COMFRC
Fleet Readiness Centers



\$50B Annual Budget

44,600
FY24 Workforce

30,100
Civilians

1,600
Military

12,900
Contractors

Products



Tactical Aircraft



Air ASW, Assault & Special Mission

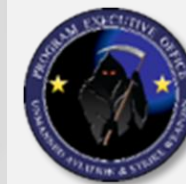


Unmanned Aircraft & Strike Weapons



Joint Strike Fighter Program

PEOs





FY24 Accomplishments



NAWCAD

NAWCAD expanded its Joint Simulation Environment – the DOD’s premier test and training facility – by integrating the U.S. Air Force’s F-22 Raptor for joint force tactical training.



NAWCWD

Gray Flag Large Force Test Event 2024 was the most expansive interoperability event to date, drawing more than 3,000 personnel from across DoD, industry, and three allied partners testing air and ground assets in a maritime environment.



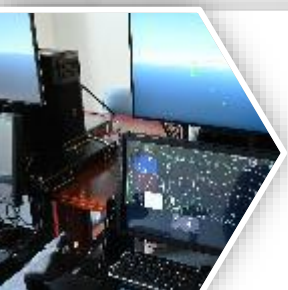
FRC Enterprise

The FRC Infrastructure and Optimization Program (FIOP) stood up to upgrade infrastructure. FIOP completed 3 MILCON projects; initiated 3 more MILCON projects; and, initiated Phase 1 Asset Tracking, saving money and time.



PEO(A)

PMA-274 and the Marine Corps accepted delivery of the final VH-92A Patriot. The Patriot delivers increased performance and reduced maintenance time and costs over the current fleet of presidential helicopters.



PEO(T)

PMA-205, PMA-265 and PMA-231 teamed with NAWCAD to develop and rapidly deliver a Simulators at Sea Training Suite to CVN-72 prior to their summer '24 deployment. Sims at Sea integrates F/A-18, EA-18G, E-2D and F-35 training simulators into a common backbone providing transformative air wing training.



PEO(U&W)

The Tomahawk was launched from Australia’s Hobart-class HMAS Brisbane off the coast of California. The test event was the culmination of a yearlong effort between the Tomahawk program office (PMA-280), Weapons Division, Point Mugu Sea Test Range, industry and Royal Australian Navy.

Delivering Results

107 New Aircraft *

22,104 Missiles/Bombs *

174 Unmanned Air Vehicles (UAV)

5 UAV Ground Systems

375 Training Devices

454 Aircraft Repairs **

1,704 Engine Repairs **

30,360 Component Repairs

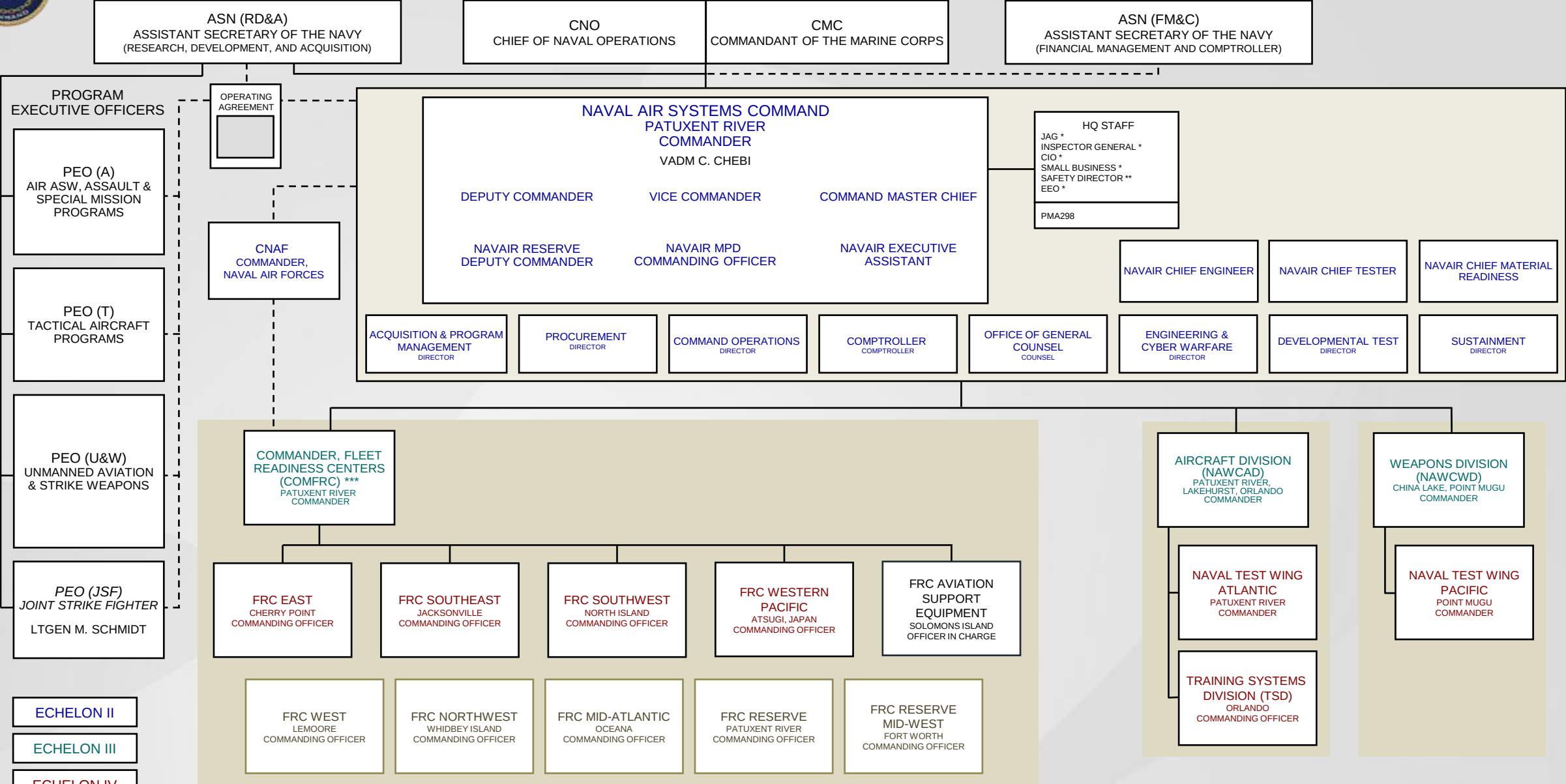
8,616 Support Equipment Repairs

* USN/USMC Quantities only ** Organic Depot only





NAVAIR Enterprise Relationships



- ECHELON II
- ECHELON III
- ECHELON IV

* REPORTS DIRECTLY TO NAVAIR CMDR FOR RESPECTIVE AREA OF RESPONSIBILITY ** REPORTS DIRECTLY TO NAVAIR VICE CMDR FOR RESPECTIVE AREA OF RESPONSIBILITY *** 5 INDUSTRIAL SITES FROM TOTAL OF 10 FRCs REPORT UP THROUGH COMFRC TO NAVAIR CMDR

AS OF 18 FEB 2025 REFERENCES: OPNAV 5450.350 and SNDL 5400.45



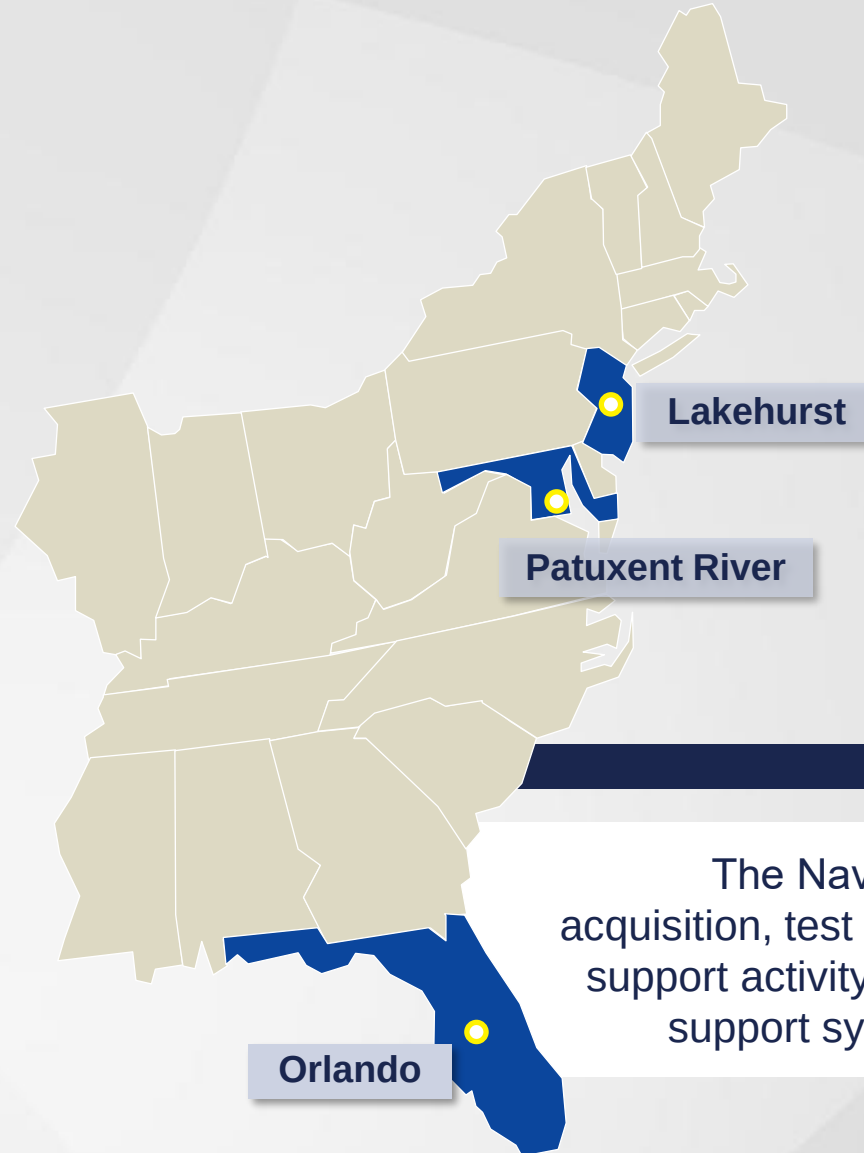
Naval Air Warfare Center Aircraft Division

Aircraft

- Air Vehicles
- Propulsion & Power
- Avionics & Sensors
- Crew Systems
- Support Systems
- Launch & Recovery

Training

- Human Performance/
Simulator Systems

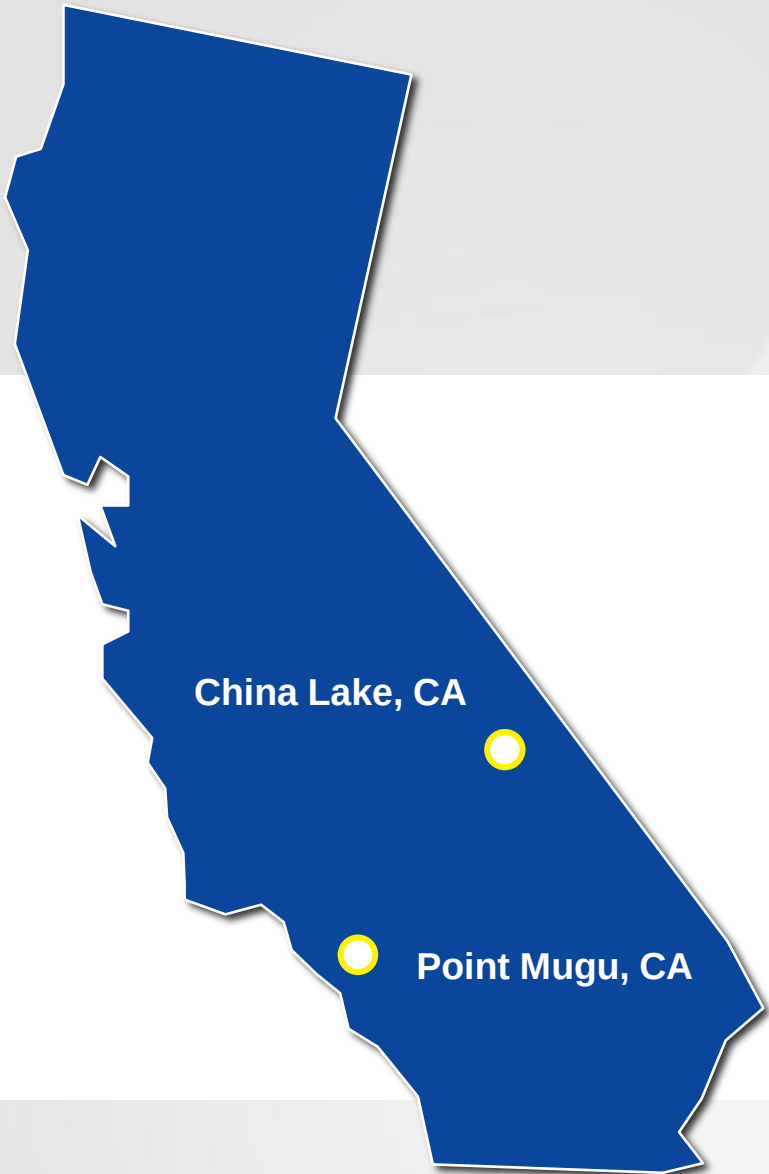


The Navy's principal research, development, acquisition, test and evaluation engineering and fleet support activity for naval aircraft, engines, avionics, support systems and ship/shore/air integration.



Naval Air Warfare Center Weapons Division

Executes full-spectrum weapons and warfare systems research, development, acquisition, test, and evaluation for naval, joint, and coalition forces.



Research and Development

Ranges and Facilities to Test and Evaluate Navy Systems

In-service Support/System Phase-out

Missiles/Freefall Weapons

Weapon System Integration

Electronic Warfare Systems

Land Range/Sea Range

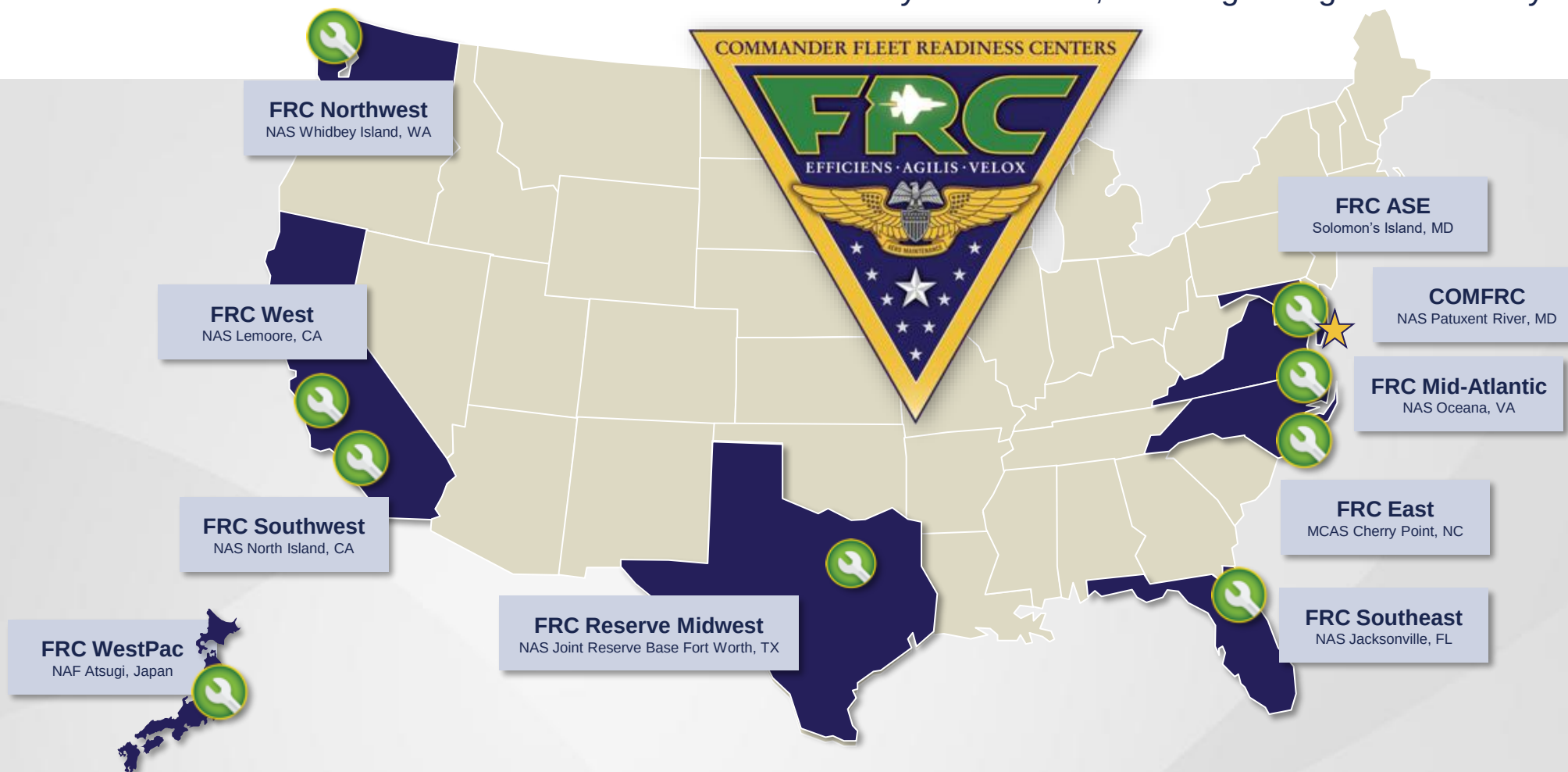
Non-Lethal Weapons



COMFRC

Mission

COMFRC sustains Naval Aviation warfighting capabilities by delivering affordable, quality MRO products and authoritative technical services where and when they are needed, enabling warfighters to safely deter, fight, and win.





Naval Aviation Maintenance

Three Levels of Aircraft Maintenance



On-Aircraft Maintenance



Level 1 – Organizational Level

- Squadron Level
- Servicing
- Replace Parts

Off-Aircraft Maintenance



Level 2 – Intermediate Level

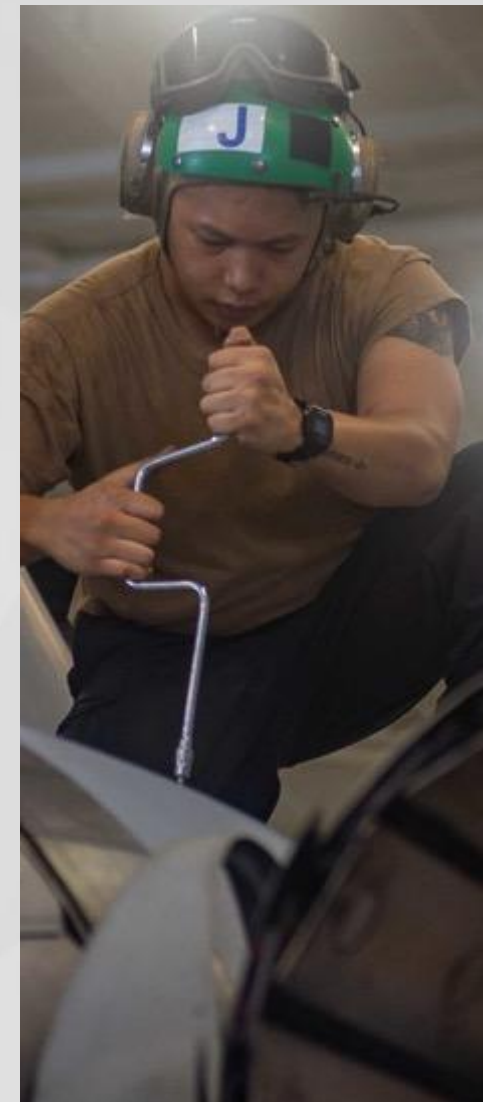
- Components / Engines
- Scheduled maintenance
- In-service Repair

Off-Aircraft Maintenance



Level 3 – Depot Level

- Scheduled maintenance
- Modifications
- In-Service Repair
- Field Team In-Service Repair
- Manufacture

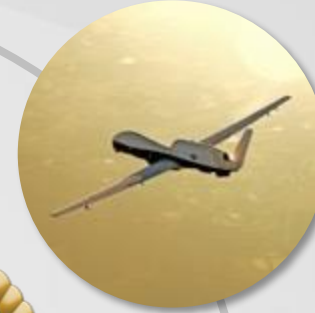




Rotorcraft



Unmanned Air Systems



Weapons



**NAVAIR
PRODUCTS**



Fixed Wing



Aviation Systems











PEO(JPO)



MISSION: The F-35 Lightning II Joint Program Office (JPO) leads the life-cycle program management of the F-35A, F-35B, and the F-35C; the fifth-generation joint strike fighter air system of choice for the U.S. Air Force, U.S Navy, U.S Marine Corps, international partners, and foreign military sales customers. The mandate of the JPO is to deliver a capable, available, and affordable air system to the warfighter.

Survivable Against World's Most Sophisticated Threats Now and in the Future



Critical to U.S. and Allied Air Dominance for the Next 50 Years



NAVAIR International Programs

The NAVAIR SYSCOM Security Cooperation Office (SSCO) workforce made up of International Program Management, International Finance and International Sustainment, executes within 30 program offices and six field sites; managing a portfolio of 1,243 open cases for 71 countries with an overall value of \$96B and generating sales of \$13.5B for FY24.





Naval Aviation Enterprise (NAE)

MISSION

Sustain required current readiness and advance future warfighting capabilities at best possible cost.

NAVAIR is part of the NAE

Led by Commander, Naval Air Forces;
Marine Corps Deputy Commandant for
Aviation; Commander, NAVAIR

Includes all naval aviation communities



Facilitates collaboration, information
sharing and process improvement

Helps stakeholders understand costs,
readiness degraders and resources

Ensures naval aviation is aligned, from
the warfighter at sea or on the ground to
the providers in government and industry



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