



# Naval Air Station Patuxent River

## Industry Forum Brief

*9 June 2010*

CAPT Stephen Schmeiser, USN  
Commanding Officer  
Naval Air Station Patuxent River



# NAS Patuxent River

- **Brief History**

- NAS PAX Commissioned on April 1, 1943
- Naval Air Test Center established in 1945
- U.S. Navy Test Pilot School established in 1958
- Reorganized as the Naval Air Warfare Center Aircraft Division in 1992 (implemented BRAC 1991 decision)
  - Consolidated research and development facilities (Warminster PA & Trenton NJ) with existing test and evaluation mission
  - Relocated Naval Air Systems Command HQ and acquisition offices from Northern Virginia
- ✓ 2003 – Regionalization: Naval District Washington (NDW) – Commander Navy Installations Command (CNIC)



# Mission

## **NAVAIR**

To develop, deliver, and sustain Navy and Marine Corps aircraft, weapons, and systems used by our Sailors and Marines to achieve mission success. We embrace the privilege of this awesome responsibility in partnership with industry, all Naval Aviation stakeholders, and our fellow Systems Commands.

## **NAWCAD**

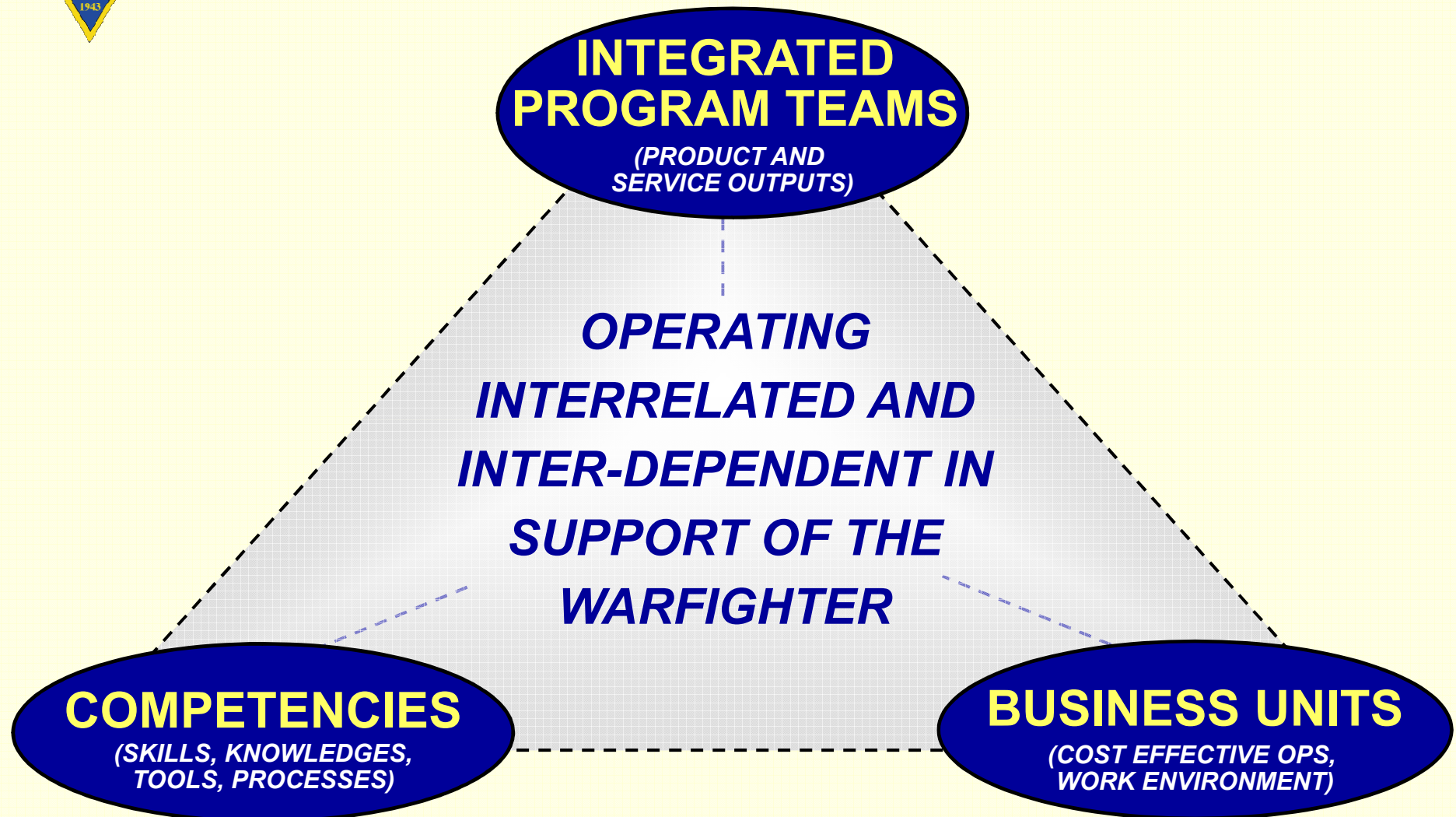
To be the Navy's principal research, development, test, evaluation, engineering and fleet support activity for naval aircraft, engines, avionics, aircraft support systems and ship/shore/air operations.

## **NAS Patuxent River**

Ensure the integration and coordination of common operating support service delivery to mission customers; to serve as the mission customer's principal advocate; and to integrate specific CNIC strategy/requirements into overall Naval District Washington regional strategy/requirements.



# PRIMARY ELEMENTS OF OUR CONOPS



***MUST MAINTAIN EFFECTIVE RELATIONSHIPS – CRITICAL BALANCE***



# World Class Capabilities at Pax River

- **Full Spectrum Acquisition Management for Aircraft (Unique within DoD)**
- **Research and Development Capabilities and Facilities for Aircraft, Aircraft Systems, Materials and Components (Unique within DoD)**
- **Ground and Flight Test and Evaluation Capabilities and Facilities for Aircraft and Aircraft Systems (Unique within DoD)**
- **Aircraft Logistic and Maintenance Management to Support Land-Based and Maritime Aircraft**
- **Engineering, T&E, Integration, and Life Cycle Support for Ship/Shore Electronics**



# Major Tenants

## TENANT ACTIVITIES:

- NAVAL AIR SYSTEMS COMMAND
- NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION
- NAVAL TEST WING ATLANTIC
  - AIR TEST AND EVALUATION SQUADRON TWO ZERO (VX-20)
  - AIR TEST AND EVALUATION SQUADRON TWO ONE (HX-21)
  - AIR TEST AND EVALUATION SQUADRON TWO THREE (VX-23)
  - U.S. NAVAL TEST PILOT SCHOOL (USNTPS)
- NAVAL HEALTH CLINIC
- DEPLOYABLE MEDICAL SYSTEM (NAVAL HOSPITAL)
- SPACE AND NAVAL WARFARE SYSTEMS CENTER
- MARINE AVIATION DETACHMENT
- ADVANCED MARITIME TECHNOLOGY CENTER
- DEFENSE COMMISSARY AGENCY
- NAVFAC WASHINGTON
- NAVAL CRIMINAL INVESTIGATIVE SERVICE REGIONAL OFFICE
- DEFENSE SECURITY SERVICE
- DEFENSE AUTOMATED PRINTING SERVICE DET. BRANCH OFFICE
- FIFTH COAST GUARD DISTRICT
- NAVAL ATLANTIC METEOROLOGY AND OCEANOGRAPHY COMMAND COMPONENT
- NAVAL AEROSPACE AND OPERATIONAL MEDICAL INSTITUTE

## SQUADRONS:

- AIR TEST & EVALUATION SQUADRON ONE (VX-1)
- SCIENTIFIC DEVELOPMENT SQUADRON ONE (VXS-1)
- FLEET AIR RECONNAISSANCE SQUADRON FOUR (VQ-4)





# Current & Future Programs

## Current

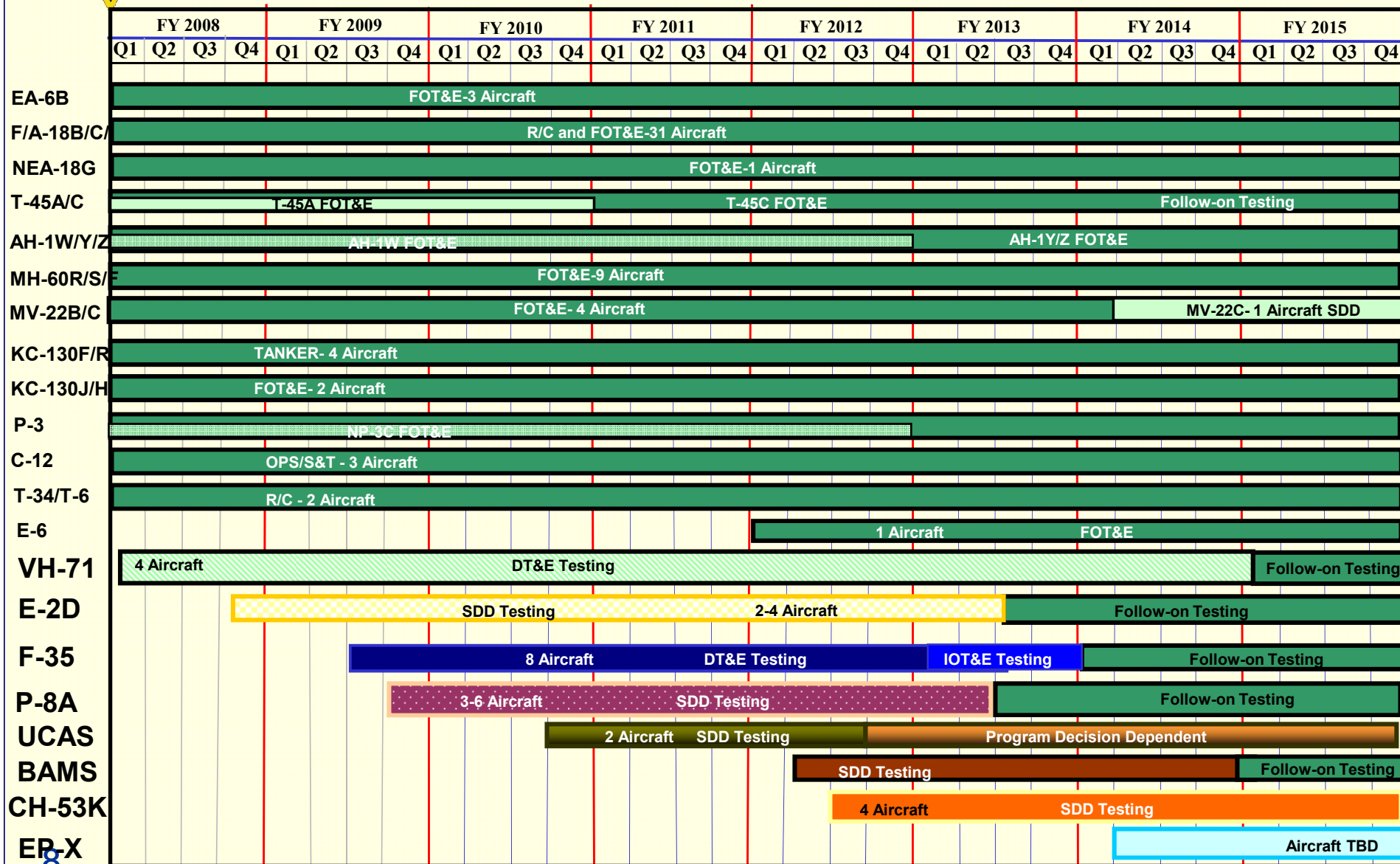
- F/A-18E/F *Super Hornet*
- EA-18G *Growler*
- V-22 *Osprey*
- Advanced *Hawkeye* (E-2D Follow-On)
- MH-60 Romeo and Sierra
- UH-1 Upgrade
- Unmanned Air Systems (UAS)
- KC-130J
- MQ-8B *Firescout*
- F-35 *Lightening II* Joint Strike Fighter

## Future

- P-8A *Poseidon* Multi-mission Maritime Aircraft
- H-53 Heavy Lift
- EPX
- UAS (BAMS)
- X-47 (UCAS)



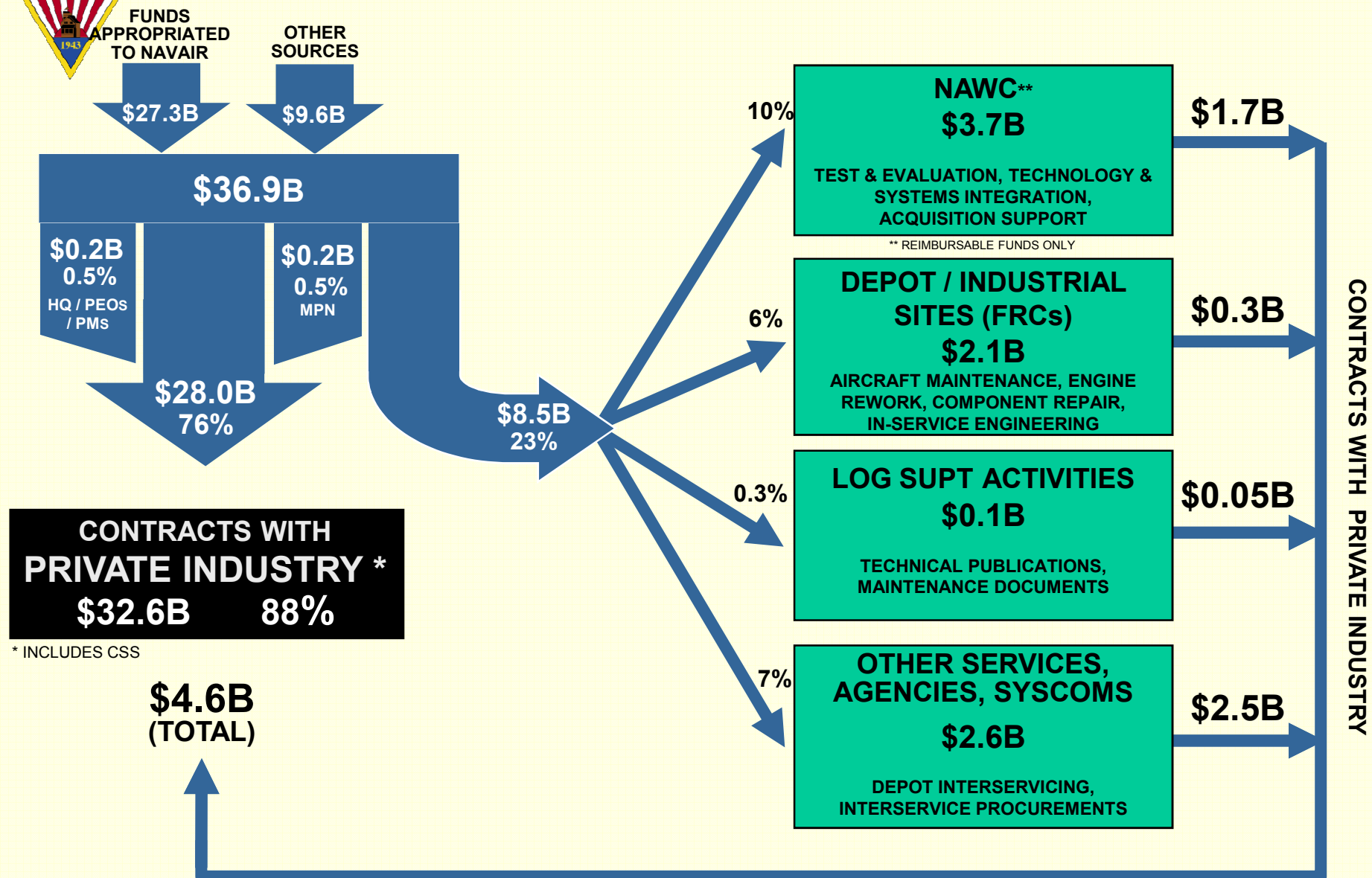
# Platforms at Pax River







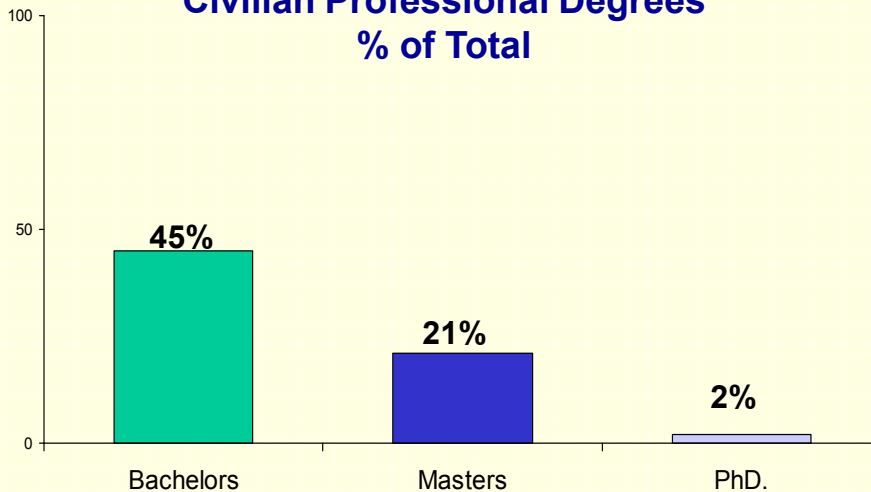
# MACRO FUNDS FLOW (FY09)





# Our Workforce

**Civilian Professional Degrees  
% of Total**

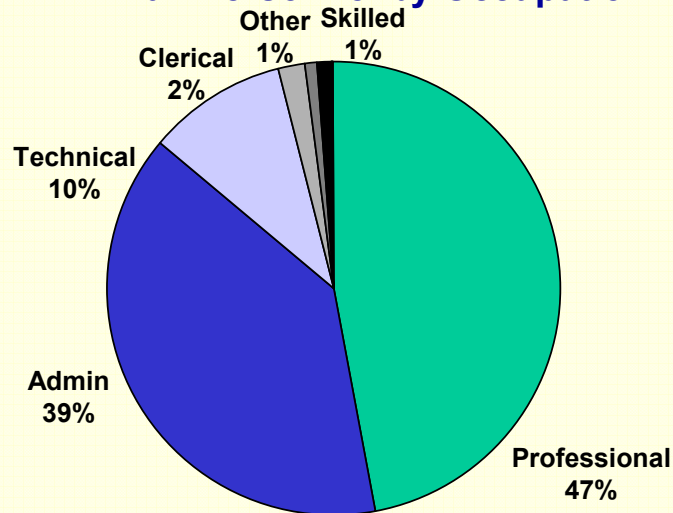


**Where We Live**

**Jun 09  
Total Workforce**

St. Mary's County	68%
Calvert County	11%
Charles County	4%
Other Maryland	4%
Other States	13%

**Civilian Personnel by Occupation**



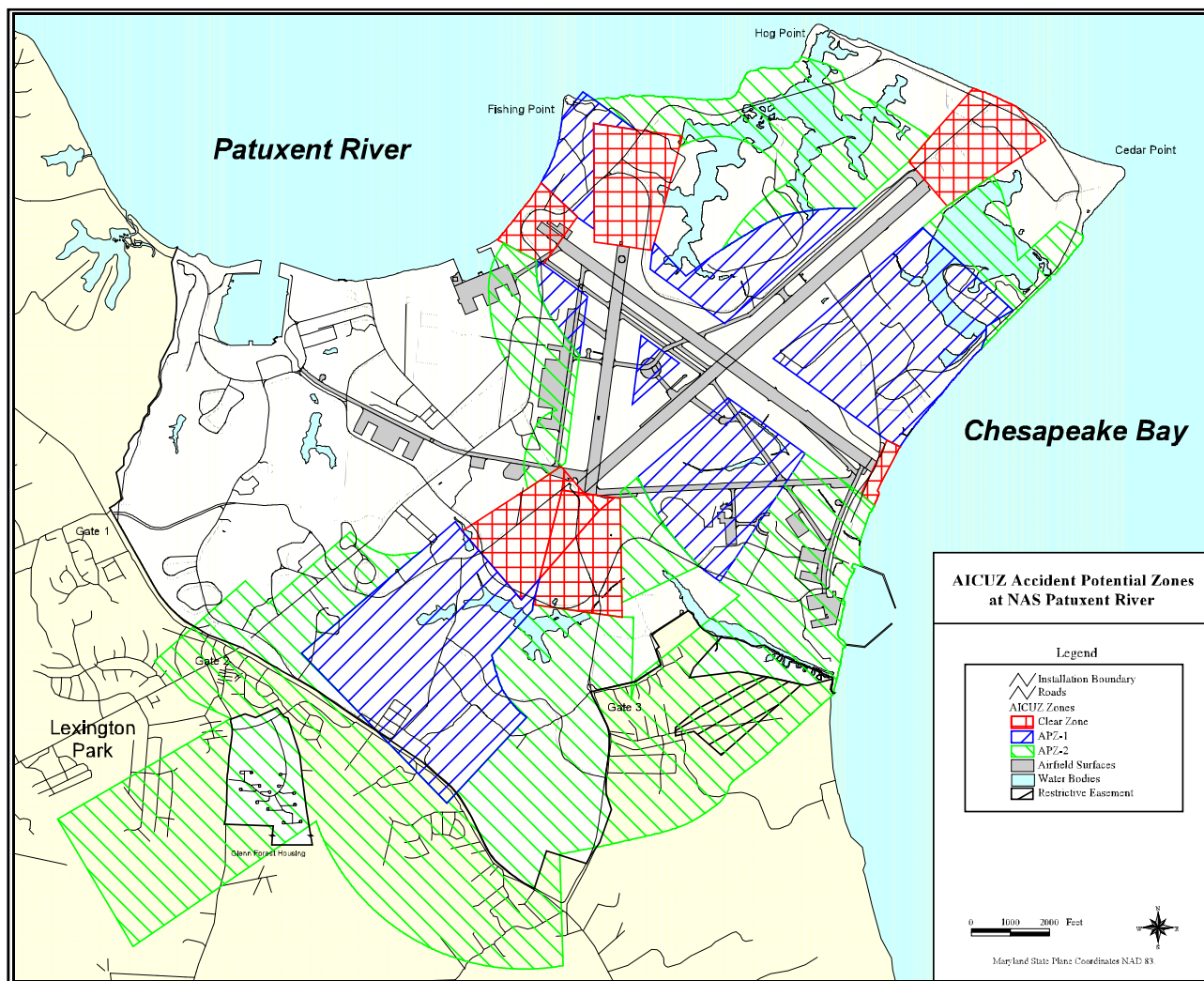
**Average Civilian Salary\*\*: \$87,903**

**NAVAIR, PEOs	\$111,016
**NAWCAD	\$95,396
**Tenants	\$57,298

\*\*Includes locality adjustment



# AICUZ



## AIR INSTALLATION COMPATIBLE USE ZONE

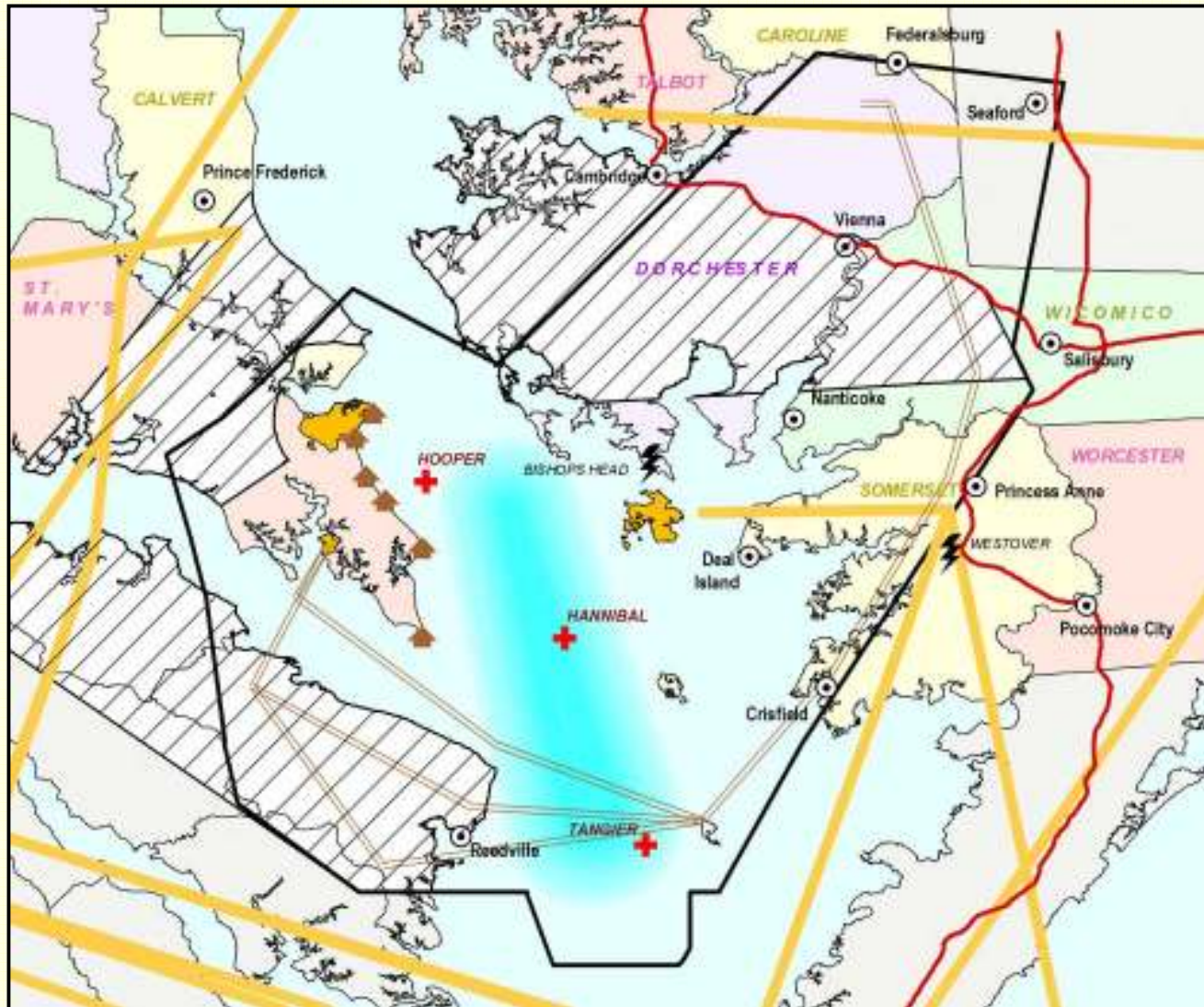
AICUZ is the accident and noise potential zones around the base.

St. Mary's County adopted the AICUZ concept into its Zoning Ordinance in 1977.





# Patuxent River Complex



- NAS PAX River Assets
- Chesapeake Test Range
- Supersonic Corridor
- UAV Routes
- Helicopter Operating Areas
- Military Training Routes** also used by
  - Andrews AFB
  - Dover AFB
  - Delaware ANG
  - DC ANG
  - Other military



# Installation Challenges

- Program growth
- Space requirement for incoming employees
- Hangar space for new platforms
- Recapitalization



# Regionally Integrated Master Program (RIMP)

## Vision Statement

“Develop an executable multi-year facility investment program, including operational concept improvements, spanning beyond the FYDP to 2035, closing critical capability gaps, filling regional mission requirements, and achieving balanced facility investment goals while considering facility asset life cycle management risks.”





# RIMP Goals

- Provide Infrastructure support to Operational Requirements thru Balanced Shore Investments... Deliver “Navy Ashore Vision 2035”
- Align with Warfare & Provider Enterprise Requirements
- Provide a 21st Century Vision and Way Ahead
- Identify significant REGIONAL planning initiatives that close capability gaps
- Seek Alternative Solutions that Consolidate Compatible Uses, Reduce Excess Footprint by 25%, Provide Operational Capabilities, and Vacate Temporary Facilities
- Develop Improved Data Sets and Investment Strategies to inform POM Infrastructure Decisions
- Utilize Enterprise Data Management Solutions...help with refinement of facility information fidelity and use the data to improve shore investment programming



# Pax Infrastructure

- Pax is still in an overall growth phase, not reduction
- Pax River has unique capabilities -- if you want to fly anything, it has to be designed, developed, tested and supported - that's what we do
- NAS Pax has a space deficit of approx 2M square feet
- CNIC initiative to reduce footprint by 25%
- Supporting infrastructure (electrical distribution, wastewater, potable water, road) will require significant upgrades
- Relocatables (trailers) not the best long-term solution



# Pax Infrastructure

- Integrated NAVAIR/NAS/Region Space Boards
- Regionally Integrated Master Program (RIMP) process is Ongoing
- RIMP, informed by studies and validated requirements, needs to support a solution sooner rather than later at Pax River
- Solution set needs to be integrated (MILCON, SRM, Major Repair, Operations/Policy)
- Solutions cannot break what works (IPT/ITT)



# Pax Infrastructure

## Facilities Gaps & Issues

- Office Space, Capacity and Condition
- Hangars 100% Utilized Aged Arched Hangars
- OLF Webster Recap - Labs, Tower, Firehouse
- Magazines, Child Development Center
- All BEQs need ongoing repair or replacement



# The Way Ahead

- Flexible and efficient facilities
- Cost effective development
- High quality workplace
- Long term mission and operations sustainment
- Abide by emerging Federal mandates and policies