

NAVAL AIR SYSTEMS COMMAND

50 YEARS OF INNOVATION IN NAVAL AVIATION (1966-2016)





ABOUT NAVAIR

Naval Air Systems Command is the United States Navy's agency with responsibility for all aircraft, weapons and systems used by its sailors and Marines. This responsibility extends well beyond the procurement and contracting process for fixed-wing aircraft, rotary-wing aircraft, and weapons systems, advancing deeply into the realms of research and development, test and evaluation, support and training, repairs, engineering, and logistics.

AIRCRAFT & WEAPONS

- Fixed Wing • Rotorcraft • Weapons • UAS • Aviation Systems

RESEARCH, DEVELOPMENT, TEST & EVALUATION

NAVAIR's Naval Air Warfare Centers are located across the United States and provide the facilities and skills that are essential to carry out research, development, test and evaluation (RDT&E) of the U.S. Navy's aircraft, weapons and associated systems. However, the Navy is not NAVAIR's only "customer;" the Warfare Centers have other clients, including other DOD and federal agencies. NAVAIR is also part of the Foreign Military Sales (FMS) program. In total, this entire RDT&E effort accounts for more than \$3 billion annually.

STRUCTURE

- Program Management • Contracts • Research and Engineering
- Test and Evaluation • Logistics and Industrial operations
- Corporate Operations • Comptroller and Counsel
- PEO support (see below)

NAVAIR'S AFFILIATED PEOs:

- PEO for Tactical Aircraft Programs – PEO(T)
- PEO for Air ASW, Assault and Special Mission Programs – PEO(A)
- PEO for Unmanned Aviation and Strike Weapons – PEO(U&W)
- PEO for Joint Strike Fighter – PEO(JSF) – (alternating service lead with the U.S. Air Force)

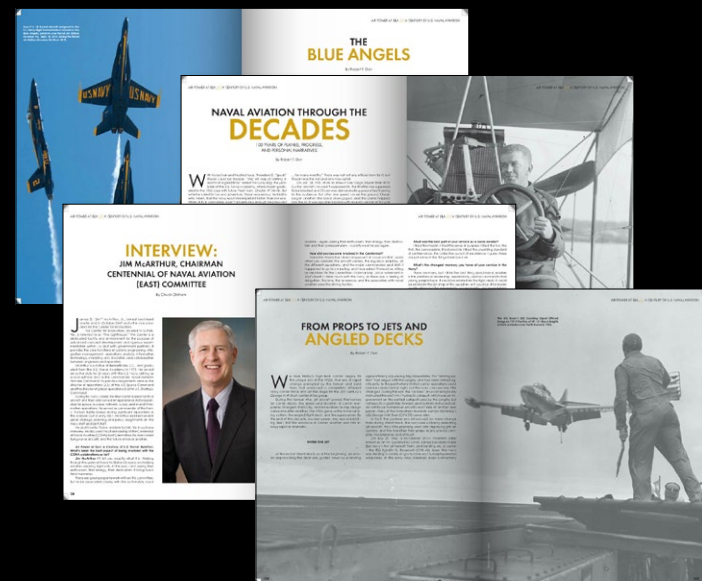


HISTORY

NAVAIR was formed in 1966 as the successor to the Navy's Bureau of Naval Weapons (BuWeps). The bureau was established Aug. 18, 1959 by an Act of Congress that merged the Bureau of Aeronautics, responsible at that time for naval aircraft and related systems, and the Bureau of Ordnance (BuOrd), in charge of naval weapons. As technology grew in complexity after World War II, the Navy recognized the growing interrelationship between its aircraft and aerial weapons and the need to oversee their development into weapons systems. For decades, NAVAIR has led the development and testing of generations of famous and successful naval aircraft. Most recently this included the launching and recovery of the X-47B unmanned combat aerial vehicle (UCAV) from the decks of U.S. Navy aircraft carriers. Far from being limited to aircraft, however, NAVAIR has helped develop a wide range of weapons and other technologies. These include the Sidewinder, the first air-to-air missile used in combat and still in use today; the first anti-radiation missile, the Shrike; and many other weapons, including the first GPS-guided munitions. NAVAIR hasn't just provided benefit to the military – it developed the chemiluminescent light stick, stop-action video, automatic airbag sensors, and the body-scanning technology used in airports today, among many other technologies.

50TH ANNIVERSARY PUBLICATION

2016 is the 50th anniversary of Naval Air Systems Command, and renowned publisher of military history, Faircount, will collaborate with the U.S. Navy on the release of a special commemorative publication to mark the occasion. Produced to the same exacting editorial and design standards of publications commemorating the centennial of naval aviation, NASA, the Joint Strike Fighter program, and the commissioning of several U.S. Navy warships, the publication will provide a detailed analysis of the programs of NAVAIR and how the command has evolved over the last five decades to become the vital part of the Navy it is today.



DISTRIBUTION

50 Years of Innovation in Naval Aviation will be delivered on a name-and-title basis to U.S. Department of Defense and U.S. Department of Homeland Security leadership, commanders, officers, personnel, and staff. Specific to the naval aviation enterprise and partner organizations, copies of the publication will be made to Navy, Marine Corps, and Coast Guard aviation facilities and to the offices of:

SECRETARY OF THE NAVY

- Under Secretary of the Navy
 - Energy, Installations & Environment
- Assistant Secretary Research, Development & Acquisition
 - Office of Naval Research (ONR)
 - Science and Technology Departments
 - U.S. Naval Research Laboratory (NRL)
 - Systems Directorate
 - Ocean & Atmospheric Science & technology Directorate
 - Material Science & Component Technology Directorate
- Littoral & Mine Warfare Program Executive Officer
- Air ASW, Assault & Special Mission Program Executive Office
- Tactical Aircraft Program Executive Office
- Strike Weapons & Unmanned Aviation Program Executive Office
- Carriers and Ships Program Executive Office
- Integrated Warfare Systems Program Executive Office
- Joint Strike Fighter Program Executive Office
- C4I Program Executive Officer
- Chief of Naval Operations (CNO)
- Director Navy Staff
 - Integration of Capabilities & Resources
 - Commander Navy Installations Command
 - Warfare Systems / Warfare Integration
 - Undersea Warfare Division
 - Air Warfare Division
 - Expeditionary Warfare Division
 - Surface Warfare Division
 - Surgeon General/Bureau of Medicine & Surgery
 - Naval Medical Research Cent

Continues on next page

EDITORIAL SYNOPSIS

INTRODUCTION

Chief of Naval Operations (Invited)

OPENING INTERVIEWS

VADM David A. Dunaway USN (Ret.)
Commanding Officer, NAVAIR 2012-2015
VADM David Architzel USN (Ret.),
Commanding Officer, NAVAIR 2010-2012

NAVAIR YESTERDAY

BEFORE NAVAIR WAS NAVAIR

A history of BuWeps leading up to the establishment of NAVAIR.

NAVAIR: 50 YEARS OF EQUIPPING THE FLEET

A history of NAVAIR since its stand-up in 1966.

TESTING TALES

Adventures in flight testing over the decades.

SPINOFFS

The benefits the wider world has gained from NAVAIR-developed technologies.

SUPERLATIVES

The biggest, fastest, smallest, slowest, and strangest aircraft and weapons developed and tested by NAVAIR.

NAVAIR TODAY

- Fixed-wing Aircraft Programs
- Rotary-wing Aircraft Programs
- Weapons Programs
- Aviation Systems Programs
- Unmanned Systems Programs

THE NAVAIR PEOS

- PEO for Tactical Aircraft Programs – PEO(T)
- PEO for Air ASW, Assault and Special Mission Programs – PEO(A)
- PEO for Unmanned Aviation and Strike Weapons – PEO(U&W)
- PEO for Joint Strike Fighter – PEO(JSF) – (alternating service lead with the U.S. Air Force)

NAVAIR INSTALLATIONS AND FACILITIES

- Patuxent River
- China Lake
- Point Mugu
- Lakehurst
- Fleet Readiness Centers
- Naval Training Center Orlando

DISTRIBUTION

- Naval Air Systems Command (NAVAIR)
 - NAVAIR Assistant Commander for Contracts
 - Naval Air Warfare Center Aircraft Division
 - Naval Air Warfare Center Weapons Division
 - NAWC Weapons Division (Research & Engineering Group)
 - NAWC Weapons Division Aviation S&T Office and Weapons/Target Depots
 - NAWC Weapons Division (Test & Evaluation Group)
 - NAWC Weapons Division (Logistics and Corporate Operations Groups)
- Space & Naval Warfare Systems Command (SPAWAR)
- Naval Facilities Engineering Command (NAVFAC)
- Naval Sea Systems Command (NAVSEA)
- Naval Supply Systems Command (NAVSUP)
- U.S. Fleet Cyber Command / Naval Network Warfare Command (NETWARCOM)
- Commander Fleet Forces Command (COMFLTFORCOM)
 - Naval Mine & Anti-Submarine Warfare Command (NMAWC)
 - Fleet Forces Subordinate Commands
- Commander Pacific Fleet (COMPACFLT)
- Marine Corps Systems Command (MCSC)
 - MCSC Additional Directorates
- Marine Corps Combat Development Command (MCCDC)
- Installations & Logistics

SECRETARY OF HOMELAND SECURITY

- Commandant of the Coast Guard
 - Vice Commandant
 - Senior Executive Service personnel
 - Master Chief Petty Officer
- Director of Governmental and Public Affairs
- Coast Guard Strategic Management

- Planning, Resources, and Procurement
- Deputy Commandant for Mission Support
 - Assistant Commandant Acquisitions
 - Office of Contract Operations
 - Aviation Systems Contracts Division
 - Research & Development Center Contracts Division
 - Director of Operational Logistics
- Deputy Commandant for Operations
 - Assistant Commandant for Capability
- Office of Aviation Forces
 - Aviation Resources Division
 - Rotary Wing Platform/ASM/UAS Division
 - Fixed wing Platform/Sensor Integration Division

SECRETARY OF THE ARMY

- U.S. Army Aviation Branch
- U.S. Army Aviation Center of Excellence
 - Capability Development and Integration Directorate
 - Concepts and Requirements Directorate
 - TRADOC Capability Manager for Lift
 - TRADOC Capability Manager for Recon/Attack
 - TRADOC Capability Manager for UAS
- U.S. Army Aviation and Missile Command
- U.S. Army Research, Development, and Engineering Command
 - U.S. Army Aviation and Missile Research, Development and Engineering Center

SECRETARY OF THE AIR FORCE

- Assistant Secretary of the Air Force (Acquisition)
 - Program Executive Office for Combat and Mission Support
- Air Combat Command (ACC)
- Air Education and Training Command (AETC)
- Air Force District of Washington (AFDW)
- Air Force Global Strike Command (AFGSC)

- Air Force Materiel Command (AFMC)
- Air Force Operational Test and Evaluation Center (AFOTEC)

CONGRESS

- U.S. Senate and House of Representatives
- Appropriations, Armed Services, Homeland Security and Transportation/Maritime committee and subcommittee staff in each house of Congress

DEFENSE INDUSTRY

- Executives
- Program Managers





ABOUT THE PUBLISHER

50 Years of Innovation in Naval Aviation is published by Faircount Media Group. The group's pedigree within the military publishing sector is second to none; its portfolio includes an extensive range of publications developed in close partnership with many prestigious organizations representing all military service branches. In particular, the company has produced several naval aviation publications, including Centennial of Naval Aviation (2012), USS George H.W. Bush (2009), USS Ronald Reagan (2003), and Joint Strike Fighter (2006, 2010). In addition the company works with other navies, having published HMS Queen Elizabeth with the Royal Navy, and HMAS Canberra with the Royal Australian Navy. Faircount is currently publishing the Royal New Zealand Navy's 75th anniversary book for release in 2016. To see Faircount's portfolio visit www.faircount.com

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