AIRWorks

Industry Day
25 October 2017
The Fundamentals

- Speed to the Fleet and affordability through...
  - Prototyping and experimentation
  - Low rate production
  - Lead Systems Integrator (LSI) and,
  - Innovative approaches to solving problems and meeting requirements

These are the Tenets of AIRWorks!
NAWCAD Macro Funds Flow

Funds Appropriated to NAVAIR
- $26.6B

Other Sources
- $14.8B

$41.4B

WD/FRCs

NAWCAD

AD Contracts w/ Private Industry

$3B (Reimbursable Only)

$4.2B

Outside MD

Small Businesses
- $258M

Large Businesses
- $816M

$1.1B

Contracts w/ Private Industry (Primes)

Direct Cite
- $1.3B

Reimbursable
- $1.6B Internal
- $2.9B

$32.6B

$5.8B

$ values are representative of single FY
AIRWorks Mission

We deliver product to the Warfighter

VISION:
NAWCAD AIRWorks rapidly and effectively delivers warfighter capability by integrating Warfare Center talent, organic capability, industrial partnerships and emerging technologies to meet immediate and emergent warfighter needs.
AIRWorks is a Government LSI

LSI Program Management, Systems Engineering, Test & Evaluation, Training, and Sustainment Engineering through NAWCAD Competencies and our Industry Partners

Aircraft Modification Prototyping and Production through NAWCAD Aircraft Prototyping Systems Division (APSD), AD-4.11 Rapid Engineering & Integration Capabilities, AD-4.8 Manufacturing & Rapid Prototyping Capabilities (Lakehurst), and our Industry Partners
AIRWorks Current Capabilities Efforts

- CNS/ATM Modifications
  - KC-130J ADS-B Out / Mode V IFF
  - C/KC-130T ADS-B Out / Mode V IFF
  - F-5 ADS-B Out / Air Data Computer
- Communications / Data Link Suite Upgrades
  - CMV-22 Communications Upgrade
  - E-2D INMARSAT
- Complex ISR Modifications
  - C-27J Maritime
  - ASTARS III
- Direct Integration Support
  - C-130T AOU, MV-22 Ballistics Protection
- Rapid Prototyping thru Production
  - H-60 Gunner’s Seat Replacement Program
AIRWorks Today
September 2017

AIRWorks PEO-Aligned Integrated Product Teams

Acronyms

ADC: Air Data Computer
ADS-B: Automatic Dependence Surveillance – Broadcast
AM/DT: Additive Manufacturing/Digital Thread
AOU: Avionics Obsolescence Upgrade
ASTARS: Airborne Systems Training and Research Support
COD: Correction of Deficiencies
CSEL: Combat Survivor Evader Locator
CURRE: Collaborative UAS and Remote Robots for EOD
GBSAA: Ground Based Sense And Avoid
HIP: Highly Integrated Photonics
IFC: Interim Flight Clearance
MANGL: MAGTF Agile Networking Gateway Link
MOTT: Maritime Object Tracking Technology
RDC: Rapid Development Capability
SLAP/SLEP: Service Life Assessment/Extension Program

AIRWorks DoD Partner Integrated Product Teams

Executing Over $650M In Total Project Content
Industry Outreach

• AIRWorks LSI
  – Team Partners to enhance NAWCAD capability and modification expertise across mission sets

• AIRWorks Rapid Capabilities
  – Industry enablers to help shape the capabilities solution roadmap, prototyping, and experimentation base for Fleet Design
AIRWorks POCs

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