

WAYNE JOHNSON

ASSOCIATE, DAYTON AEROSPACE, INC.



DAYTON AEROSPACE

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PROFILE

Veteran program manager with over 40 years of experience in requirements analysis, concept design, operations, and engineering/manufacturing development. Extensive experience in managing high technology, leading edge developments and fielding advanced systems to meet the customer's needs for both government and industry. Over 25 years of US Air Force (USAF) service as acquisition program manager, pilot and joint strategic planning officer. Seasoned proposal manager with over 15 years of industry proposal experience. Colonel, USAF (Retired).

PRINCIPAL AREAS OF EXPERTISE

Military Airworthiness Certification

Extensive experience in execution and instruction of the USAF airworthiness certification process. Led team providing airworthiness technical and management assistance to industry client on new aircraft certification within USAF. As interface with USAF, led industry A-29 airworthiness certification effort. Member of the development team for the Technical Airworthiness Authority (TAA)-directed, MIL-HDBK-516-based, airworthiness certification courseware required for all USAF Directors of Engineering (DOEs) and Chief Engineers (CEs). Subject matter expert instructor for numerous airworthiness training courses for USAF, foreign government, and industry teams. Recent experience developing documentation and supporting detailed new aircraft and modification certification reviews using the current USAF certification process.

Program Management

Led the 1000-person government-contractor team successfully implementing the \$3.4 billion Global Hawk Unmanned Aerial Vehicle (UAV) development program—developed evolutionary acquisition strategy, streamlined acquisition and production, and delivered fielded capability two years ahead of schedule. Internationally recognized expert in UAV developments. Team won USAF Packard Award for Program Excellence. Led the B-1B program team incorporating precision weapon capability. Provided assistance and training for industry Integrated Baseline Reviews (IBRs).

Risk Analysis and Mitigation

Restructured the ailing B-1B conventional weapons integration and Joint SIGINT programs to achieve credible execution at acceptable risk. Took over grounded aircraft program, implemented disciplined systems approach, gained confidence of senior leaders, and got aircraft back in the air. Won international acclaim for success. Led team that won Robert F. Collier Trophy.

Innovative Acquisition Strategies

Developed and implemented innovative contract approaches using spiral development strategies to lower risks and improve cycle time—delivered capability two years early. Won Aviation Week and Space Technology Laureate Award for achievement. Authored paper on spiral developments and evolutionary acquisition now part of curriculum at Air Force Institute of Technology (AFIT) and published in Acquisition Quarterly Magazine in Aug 2002.

Proposal Management

Over 15 years of successful experience applying disciplined approach to a variety of proposals for submarines to satellites. Hands-on experience in overall proposal management, volume lead, IMP/IMS, risk, and color team reviews.

EDUCATION

MA, Computer Resources Management (Engineering Management equivalent)

Webster University

BS, Applied Science (Engineering Technology)

Miami University

Defense Systems Management College (DSMC)

Armed Forces Staff College

Air War College

KEY POSITIONS

Director

Global Hawk Program (ACAT 1D)

Chief

Reconnaissance Sensors and Data Links Division

Security Assistance Program Manager

F-16 Programs for Turkey

Chief

B-1 Conventional Weapons Upgrade Program (ACAT 1D)

WORK HISTORY

Associate, Vice President & Senior Associate | Dayton Aerospace, Inc.

2002-present, Dayton, Ohio

Technical expert to government and industry in strategic planning, risk identification and management, and program start up and execution. Provide integrated master planning and scheduling (IMP/IMS) assistance and training. Manage and support numerous winning proposal efforts. Airworthiness management subject matter expert providing training to both government and industry. Transitioned from Senior Associate to Vice President in 2012 and from Vice President to Associate in 2019.

Director, Global Hawk Programs | Reconnaissance Program Office (ASC/RA)

2000-2002, WPAFB, OH

Program manager of highly successful \$3.4B development of Global Hawk Unmanned Aerial Vehicle (UAV). Led combined contractor and government team in development, procurement, and operational fielding of high altitude reconnaissance aircraft, setting several world records. Responsible for all aspects of program including requirements analysis, cost, schedule, and performance of groundbreaking technologically advanced system.

Chief, Sensors & Data Links Division | ASC/RA

1998-2000, WPAFB, OH

Program manager for several reconnaissance sensor developments used in various US reconnaissance aircraft systems. Managed Joint programs with combined team of US Navy, US Army and USAF personnel. Sensor systems included electro-optical, radar and signals intelligence systems as well as advanced communication systems.

Security Assistance Program Manager | F-16 Programs for Turkey

1996-1997, WPAFB, OH

Responsible for all phases of development, procurement, and fielding of Foreign Military Sales (FMS) program. Led combined US government, contractor, Turkish Air Force and Turkish industry team in building and fielding of advanced F-16 fighters for US ally.

Program Manager | B-1 Conventional Weapons Upgrade Program

1993-1996, WPAFB, OH

Front line management of system development and architect of strategy for future avionics upgrades and conventional weapons capability on B-1 bomber aircraft.

Strategic Planner | US Strategic Command

1990-1993, Offutt AFB, NE

Key planner of execution of US policy. Provided information on US systems for US Strategic Arms Reduction Treaty Negotiations team.

Prior to 1990

- Instructor Pilot, B-1, *Ellsworth AFB, SD*
- Instructional Program Developer, *Randolph AFB, TX*
- Flight Commander, T-38, *Vance AFB, OK*
- Instructor Co-Pilot, B-52G, *Griffiss AFB, NY*
- Student Pilot, *Reese AFB, TX*

RECENT PROJECTS

- Led airworthiness certification execution effort for new tactical FMS aircraft, including initial Military Type Certification (MTC) and follow-on life cycle airworthiness involving modification efforts.
- Key member of Non-Defense Military Aircraft (NDMA) office within AFLCMC Engineering Directorate, responsible for airworthiness assessments of industry developed aircraft not currently in DoD inventory

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RECENT PROJECTS (Continued)

- Built and taught a two-day Airworthiness Primer course at local college.
- Sinclair Community College Work Force Development part time instructor in Federal Aviation Administration (FAA) Certification.
- Provided airworthiness certification technical assistance to various industry clients.
- Built and delivered specialized aircraft icing and airworthiness course to international government customer.
- Proposal Manager for industry client pursuing a multi-million-dollar effort. Successfully led diverse team from capture development to proposal submittal, resulting in significant contract award.
- Provided program management scheduling assistance to major defense contractor and selected subcontractors (at prime's direction) for an unmanned aircraft development. Resulted in successful Integrated Baseline Reviews (IBRs) with government and program fielding on track.
- Built and delivered comprehensive MIL-HDBK-516-based Airworthiness Training Courseware for a major defense contractor's international government customer. Courseware was successfully delivered in USA and in-country and future training was requested.
- Developed and delivered tailored courseware for USAF Chief Engineers and Directors' of Engineering for their Airworthiness Certification endorsement program. Course is now part of continued, required USAF airworthiness training.
- Provided for government new aircraft development. Assistance included process improvement, tracking of various efforts, and future roadmap for program sustainment management. Worked with international partners on effort with positive outcome, accepted by Joint community.
- Acted as defense acquisition program management subject matter expert for government headquarters initiative to streamline data access within programs. Pilot program considered a success by government.
- Built and delivered a proposed Integrated Master Plan (IMP) and Integrated Master Schedule (IMS) outline to defense related research institute for complex training system. Customer accepted plan and forwarded the proposed solution to the government.

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