

Education

Master of Aeronautical Science, Embry-Riddle Aeronautical University (2001)
B.S. of Aeronautical Engineering, United States Air Force Academy (1992)

Career Summary

Retired United States Air Force Officer with more than 23 years of diverse experience in operational aviation, acquisition project engineering/program management, and aircraft systems test and evaluation execution/management. A successful change leader committed to professional and personal excellence.

- Operational/Test Aviation (16 years)
- Program/Project Management (8 years)
- Test & Evaluation (4 years)
- Certified Level II Program Management
- Certified Level I Test and Evaluation
- Aeronautical Engineering
- Aero Science Technology Management
- Planning, Programming, Scheduling and Budgeting
- Analysis
- Technical Writing
- Senior Leadership, Supervision and Mentoring
- Computer Competency

Professional Work Experiences

Engineering Technical Leader

March 2013-Present

General Electric Aviation

Leads and supports aircraft centric hardware and software avionics development and upgrades. Provides daily direction to a team comprised of engineers, specialists, manufacturing and support services. Responsible for technical approach and engineering change management. Lead for project plan development and execution to include scope, cost and schedule. Provides weekly and monthly updates to leadership on project status.

Achievements:

- Assigned the struggling C-130J Data Link Management Project. Led a re-plan effort and executed to new plan. Software delivered on-time and budget to the customer.
- Led the re-plan and execution of the data encryption research and development project. Team was able to prove design viable in a developmental environment.
- Developed and instituted new communication tool and process between engineering and manufacturing that assists in planning and priority of circuit board manufacturing.

IT Portfolio Manager

June 2012-Mar 2013

Eagle Ray Incorporated in support of:

Defense Intelligence Agency, DS Enterprise Level, MacDill Air Force Base, FL

Leads contract support and provides portfolio management services for the Joint Intelligence Operations Center (JIOC) IT Intelligence Enablers Portfolio. Develops tailored portfolio management processes and collaborates on supporting database and data compilation activities. Provides key performance metrics for leadership to assist in portfolio balancing, technology gap identification, and funding priorities. Facilitates collaboration sessions within the JIOC IT Integration Office as well as with other government stakeholders.

Achievements:

- Led program startup for the establishment of an IT Portfolio Management function within the JIOC IT Integration Office.
- Led development effort for standardized portfolio management processes and a database tool that can be used to establish performance metrics as well as provide lifecycle management of over 300 JIOC related IT enablers.
- Led the integration of the JIOC IT Portfolio Management function with the DIA/DS Capabilities Service Board processes to ensure JIOC IT Portfolio interests are included in strategy development, prioritization, and funding activities.

Project Manager

October 2011-May 2012

Eagle Ray Incorporated in support of:

Defense Intelligence Agency, DS Enterprise Level, MacDill Air Force Base, FL

Led policy, governance and process improvement activities for The Defense Intelligence Agency Enterprise Readiness & Continuity Division Southeast. Established and evaluated project management processes and developed standard document templates to support key management functions for IT infrastructure/network installs, builds and moves. Provided project management for assigned IT projects.

Achievements:

- Developed an integrated project management plan and supporting templates for major infrastructure installation projects.
- Crafted professional templates that streamline project and activity reporting throughout the DSA Enterprise.
- Focal point for Enterprise level development and institution of DSA4 project, information and security management processes.

Director of Operations and Advanced Programs Program Manager

August 2009-September 2011 (Retired from Active Duty)

36th Wing, Andersen Air Force Base, Guam

Led training and operations for specially manned unit supporting combat airbase/airfield establishment, non-combatant evacuation and humanitarian/disaster relief missions. Position required broad understanding of 31 diverse functions covering the full spectrum of airbase and airfield operations. Provided oversight for \$11.7M in mobility assets and 51 personnel. Executed the duties of Advanced Program (AP) Manager for special access program (SAP) support of F-15, F-16, F-22, and B-2 aircraft. Developed and interpreted AP execution guidance for secure facility construction, security, operations and maintenance. Managed and facilitated versatile special program security structure for deployments, exercises and Headquarters Air Force requirements.

Achievements:

- Managed proof of concept for the rapid integration of base opening and medical facilities/functions in an austere environment for humanitarian relief missions.
- Led technical airfield assessment team that verified airfield pavement and facilities adequacy for heavy aircraft operations for three strategic airfields.
- Developed first ever permanent SAP security support for Andersen Air Force Base.

Chief of Mobility Test for C-130/KC-X/Joint Cargo Aircraft (JCA)/C-130 Pilot

March 2007-August 2009

Detachment 5, Air Force Operational Test and Evaluation Center, Edwards Air Force Base, CA

Led 25-person division supporting Operational Test and Evaluation (OT&E) of mobility aircraft systems. Provided direction, management, and subject matter expertise for C-130 Aircraft Modernization Program during combined Developmental Test and Evaluation (DT&E) and OT&E of the modification. Flew combined test missions, identified discrepancies, and recommended corrective actions. Prepared and briefed OT&E reports and assessments for various aircraft. Managed \$14.8M test budget. Additionally deployed in support of USCENTCOM Joint Operations Center as Afghanistan and Iraq Air Operations Desk Liaison.

Achievements:

- Directed C-130J defensive systems follow-on OT&E and recovered \$400K through efficiently restructuring test program.
- Led United States Air Force OT&E effort for Joint Cargo Aircraft (JCA). Worked with United States Army acquisition and test program managers to ensure eight critical requirements were incorporated into the plan.
- Focal point for joint staff and component command air operations. Ensured ISAF/coalition 30,000 sortie strike capability. Continuously tracked dynamic two theater 2,500+ daily strike, reconnaissance, and support missions and reported daily results to Joint Chiefs of Staff.

Assistant Branch Chief, Special Test and Operations Facilities

November 2005-March 2007

Directorate of Air, Space and Information Operations, Headquarters Air Force Material Command, Wright-Patterson Air Force Base, OH

Command program manager for special programs test and evaluation projects and operations facilities. Maintained standards and oversight for classified organizations' security, airfield, flight operations and facilities. Advised command leadership on special test and facility program status, advocated guidance and instituted policy. Provided subject matter expertise for planning, budgeting, and execution of special test activities.

Achievements:

- Led \$170M special programs Program Objective Memorandum inputs to Headquarters Air Force. Pivotal for the preservation of critical test activities and infrastructure.
- Drafted special test and evaluation unit oversight plan and conducted critical test facility and process inspection.
- Instituted F-16 depot modification funding process change and realized \$3M in savings.

Deputy Program Manager/Program Manager for EC-130H Compass Call Aircraft Fleet

May 2003-November 2005

645th Materiel Squadron, Air Force Material Command, Wright-Patterson Air Force Base, OH

Program Manager for 14-aircraft EC-130H Compass Call fleet with program value of over \$1B. Responsible for cost, schedule and performance of a \$268M annual budget. Led and directed multi-agency team of 400+ government and contractor personnel covering all aspects of fleet management to include development, procurement, modification, test and sustainment. Managed development and integration of \$400M Block 35 information warfare system modification. Directed Compass Call special

access program security requirements. Program manager for EC-130H Aircraft Modernization Program with program value in excess of \$150M.

Achievements:

- Led Lean Process Improvement Team at depot/modification facility. Reduced depot/modification time an average of six months and \$1M per aircraft.
- Developed and instituted depot program engineer certification process. Engineering decision time reduced from six weeks to two days on average.
- Completed aircraft depot move from Palmdale, CA to Waco, TX. Moved over 19K warehouse items, led drawing and process specification transfer, and maintained seamless support for the fielded Compass Call fleet.

Program Engineering Manager for EC-130E/J Commando Solo Aircraft Fleet/Instructor Pilot

May 2001-May 2003

Detachment 4, 645th Materiel Squadron, Aeronautical Systems Center, Palmdale, CA

Systems engineer for special-mission psychological and information operations EC-130E/J aircraft with program value in excess of \$21M. Directed daily activity of 225 military, contractor and field service personnel for the execution of fleet modification, production, and sustainment. Executed quick reaction programs as directed by National Command Authority. Project officer and test pilot for \$12M C-26B Tracker counter-drug modification and sensor upgrade program. C-130 instructor and test pilot for special systems modifications and depot maintenance verification.

Achievements:

- Directed design and install of \$3.6M self-protection system modification for EC-130E Commando Solo aircraft via quick reaction program. Delivered three aircraft in 90 days under budget.
- Reenergized the \$115.5M EC-130J Commando Solo conversion program. Government inspection pass rates increased 10%. Led to successful fielding of new aircraft.
- Restructured and drafted C-26B modification test procedures. Commanded 19 test missions and delivered 11 aircraft in nine months.

C-130E Pilot/Instructor, Flight Operations Supervisor, Combat Delivery Airlift Director and Group Current Operations Flight Commander

September 1997-May 2001

463rd Airlift Group, Air Mobility Command, Little Rock Air Force Base, AR

Led 15-person current operations flight. Supervised planning, scheduling, and execution of 18,000-hour annual flying-hour program and over 175 aircraft missions weekly. Responsible for squadron compliance and currency of aircraft dispatch and recovery procedures. Combat ready, worldwide deployable C-130E instructor pilot.

Achievements:

- Supervised tasking and scheduling of over 4,000 local/joint military training and higher headquarters contingency missions.
- Led 463rd Airlift Group's portion of critical Joint Expeditionary Force Experiment. Coordinated with Air Mobility Command, Air Education and Training Command, and United States Army test team to ensure operations, maintenance and personnel issues addressed.
- Drafted and instituted complex satellite communications guide for all C-130 aircrews. Established procedures to enable vital communications link for missions into austere regions.

C-26B Pilot/Instructor and Program/Mission Scheduler

October 1993-September 1997

First Air Force Operating Location, 158th Fighter Group, Vermont Air National Guard, Burlington IAP, VT

Primary duty as C-26B transport pilot. Managed overall responsibility for safe and efficient conduct of transporting personnel and equipment on assigned mission taskings. Managed all aspects of C-26B program to include aircraft, aircrew and maintenance scheduling, flying-hours allotment and tracking, and aircrew currency tracking. Assisted F-16 scheduler to provide critical continuity for airspace, maintenance, aircraft and aircrew scheduling.

Achievements:

- Expertly managed the transition from unit-based aircraft scheduling to nationwide electronic scheduling. Ensured 100% of Joint Operational Support Aircraft Center mission taskings completed.
- Led, instructed and evaluated wing's quality management transition. Applied skills to unit scheduling process and increased scheduling capability tenfold.
- Assisted Vermont Air National Guard (VTANG) recruiting efforts by speaking to local civic groups and schools and led VTANG Starbase anti-drug/leadership workshop for elementary school students.

Student History

May 1992-October 1993-United States Air Force Undergraduate Pilot Training, Reese Air Force Base, TX

Achievements:

- Completed 380 hours of academic instruction.
- Flew 274 combined T-37, T-1A and simulator hours.
- Led base contracting office when contracting officer attended multi-month training.

June 1987-May 1992-United States Air Force Academy Preparatory School and United States Air Force Academy (USAFA), USAFA, CO

Achievements:

- Number 1 graduate from USAFA Preparatory School.
- Number 1 prior-service graduate from USAFA.
- Maintained overall 3.44 grade point average while earning B.S. of Aeronautical Engineering.

Contracting Specialist (Enlisted)

December 1984-June 1987

120th Fighter Interceptor Group, Montana Air National Guard, Great Falls IAP, MT (through July 1986)

14th Flying Training Wing, Columbus Air Force Base, MS

Managed, performed, and administered contracting functions for commodities and services using simplified acquisition procedures, negotiation and other approved methods. Used manual contracting processes to prepare, process, and analyze transactions and products. Acted as buyer and negotiator for base level contracting office.

Achievements:

- Honor Graduate from Basic Military Training, Contracting Specialist Technical School, and 3-level Contracting Specialist Correspondence Course.
- Surpassed daily buying quota on average of three times required amount.
- Selected "Professional Performer" during major base inspection.

Professional/Leadership Education

- United States Air Force Squadron Officers School (1999)
- United States Air Force Air Command and Staff College (2005)
- United States Air Force Air War College (2008)

Professional Development Certifications and Courses

- Multi-Engine Land/Instrument Pilot (1992)
- Level II, Program Management Certification (October 2005)
- Level I, Test and Evaluation Certification (January 2006)
- Level II, Test and Evaluation Certification requirements complete (Current Status)
- DAU LOG101 Course (August 2002)
- National Test Pilot School Introduction to Flight Test T&E 4001 Course (October 2002)
- Performance Based Statement of Work Training Course (May 2004)
- DAU Lean 6 Sigma (CLE007) Course (May 2005)
- AFOTEC 101, Introduction to AFOTEC Course (July 2007)
- AFOTEC 220, Suitability Course (November 2007)
- DAU Modeling and Simulation for T&E (CLE023) Course (June 2008)
- SYS 101 Fundamentals of Systems Planning, Research, Development & Engineering (Mar 2011)
- SYS 202 Intermediate Systems Planning, Research, Development & Engineering (Mar 2011)