

PETER J. DENUCCI

Distinguished DoD-Cleared UAV Pilot • Mission Assurance & Quality Leader • Director of Safety Culture Implementation & Sustainment

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EXECUTIVE SUMMARY

Senior Principal UAV Pilot & Instructor (ATP; DoD Top Secret) with 18,000+ flight hours across commercial and unmanned operations. Proven leader in Safety Management Systems (SMS), Mission Assurance, ISO 9001 QMS, and Human Factors/Just Culture. Partner to Engineering, Manufacturing, and Global Supply Chain with a track record of audit readiness, RCCA, Lean/Six Sigma improvements, and supplier quality leadership for USAF, Navy, and DoD programs.

CORE COMPETENCIES

- Mission Assurance & Risk Management • SMS/Just Culture • Human Factors/CRM
- Quality Assurance & Compliance (ISO 9001) • Audits • RCCA/Root Cause • FOD/FOE Prevention
- Supplier Quality & GSC Collaboration • Process/Material Controls
- Lean Six Sigma • Data-Driven Trend Analysis • Continuous Improvement
- Systems Engineering • SIL/HIL Testing • Requirements/Verification
- Regulatory Interpretation (FAA/DoD/Agency) • Configuration/Change Control
- PWS/SOW Development • Cross-Functional Leadership • Stakeholder Communication

PROFESSIONAL EXPERIENCE

Northrop Grumman — Senior Principal UAV Pilot & Instructor | 2018–Present

- Lead pilot on RQ-4 Global Hawk missions supporting USAF, Navy, and DoD with sustained 100% mission success and zero major safety events.
- Defined and monitored mission assurance specifications and processes to ensure mission success; performed and assured quality, risk management, safety, reliability, and maintainability across program activities, subcontractors, and suppliers in accordance with contractual requirements.
- Assessed program performance and risks, determined resources to ensure mission assurance, and drove on-time delivery of high-quality products/services that met contractual requirements and business objectives.
- Supported development phases by assuring engineering products and processes conformed to internal and customer requirements; partnered with Engineering and Manufacturing on inspections, process-control analyses, and recurring audits.
- Ensured Mission Assurance, Manufacturing, and Engineering processes remained consistent with capability-maturity models and ISO-aligned QMS standards; interpreted policies and government regulations to assure compliance.

- Provided direct oversight of factory accountability and foreign object elimination (FOE/FOD) practices; reviewed trend metrics and analyzed misses to drive corrective actions and performance improvements.
- Standardized and facilitated RCCA to resolve quality issues; embedded SMS and Just/Safe Culture in flight/test operations, implementing and sustaining safety culture for 1,600+ crew members.
- Oversaw supplier quality management in collaboration with Quality/Mission Assurance and Global Supply Chain (GSC) to deliver preventive solutions for procured materials and services.
- Enterprise safety advocate and instructor: optimized curricula, scheduling, and resource planning to meet performance, cost, and schedule baselines.

General Atomics — Program Manager, International Programs & FMS | 2014–2018

- Directed Technical Orders, SIL/HIL certification testing, and organizational strategy for USAF and Foreign Military Sales; ensured standards conformance and risk mitigation across multi-agency stakeholders.
- Drove continuous improvement of people, products, processes, systems, and services using innovative technologies, Lean principles, Six-Sigma projects, and best practices.
- Developed, maintained, and ensured compliance with mission assurance programs, policies, processes, and procedures; ensured product/process performance and quality conformed to established standards, specifications, and agency guidelines.
- Provided expertise in interpreting policies and regulatory guidance; fostered an inclusive, motivated, and engaged work culture.
- Facilitated PWS/SOW development and disciplined configuration/change control; improved technical-manual and test approval cycle time through cross-functional Lean initiatives.

US Airways — Captain & FAA/NASA Liaison | 1984–2006

- Flawless safety record across 18,000+ flight hours (B737/757/767; A319/320/321/330); hand-picked to partner with NASA on a zero hull-loss safety initiative.
- Authored and taught Crew Resource Management to 15,000+ pilots and crew; post-9/11 Assistant Director of Communications launching FFDO program.

Apollo Publishing, Inc. — CEO, Speaker, Author & Consultant | 2006–2014

- Founded firm to advance Human Factors in aviation and healthcare; architected CME-licensed error-reduction systems and enterprise Just/Safe Culture programs.
- Keynote speaker for state government and industry on UAS and safety culture; senior safety developer for CSX Railroad.

• **Book Publications** — *“Commander and Crew: The Human Factors Approach to Teambuilding and Leadership”* and *“Creating the Just and Safe Culture in Aviation and Healthcare.”*

Serco, Inc. — Director of Safety Culture (Implementation & Sustainment) | 2010–2011

- Led FAA NexGen modernization safety program at Los Angeles ATC Center & San Francisco Tower, embedding sustainable safety culture and SMS practices.

Embry-Riddle Aeronautical University — Supervisor of Flight Operations | 1980–1983

- Managed flight operations for 600+ students and 90 instructors with a 50-aircraft fleet, achieving zero accidents; developed and taught advanced curricula (FAA AGI credentials).

SELECTED IMPACT & METRICS

- 100% mission success across RQ-4 Global Hawk sorties; measurable improvements in hazard awareness and voluntary safety reporting after SMS/Just Culture implementation and sustainment efforts.
- Cycle-time reductions in technical publications and test approvals through Lean/Six Sigma practices.
- Enterprise RCCA and FOD/FOE prevention contributions reducing rework and non-conformances.

LICENSES & CLEARANCES

- DoD Top Secret Clearance
- Airline Transport Pilot (ATP); FAA Advanced Ground Instructor (AGI)
- FAA Aircraft Accident Investigation (RCA) with published matrix program
- FAA Class II Medical Certificate

EDUCATION

B.S., Aeronautical Science — Embry-Riddle Aeronautical University

M.S., Systems Engineering (candidate, 80% complete) — Unmanned Vehicle University

Lean Six Sigma Certificate — Villanova University