

# Instructor Resumé

**STEVEN R. GOAD**  
Consultant and Lecturer in  
Reliability to  
**Technology Training, Inc.**

Steven Goad's professional interests cover Continuous Process Improvement/Lean Six Sigma (CPI/LSS), Reliability, Flight Testing and Aeronautical Engineering. As both an active-duty US Navy officer and a civilian, Mr. Goad has been involved in many aspects of naval aviation, including flying experience in over 50 type/model/series of aircraft as a Navy Test Pilot, and working as an engine project officer, as a civilian test pilot and airworthiness administrator. His teaching experience includes CPI/LSS training and coaching.

## EXPERIENCE

- 1995–Present US NAVY, Civilian employee, Naval Air Warfare Center, Weapons Division, China Lake and Pt. Mugu, CA. Positions held:
- 2007 – *CPI/LSS Master Black Belt. Wave 2 NAVAIR MBB graduate currently working as an instructor for Yellow Belt, Green Belt and KAIZEN training, coaching Six Sigma Black Belts and 6+ Green Belts and assisting the overall AIRSpeed deployment at China Lake and Point Mugu. Co-taught Design for Lean Six Sigma at the Navy's inaugural CPI/LSS Symposium in Washington DC during May 2007.*
- 2004 – 2006 *CPI/LSS Black Belt. Wave 2 NAVAIR BB graduate. Led and completed two major DMAIC projects and three KAIZEN events during this period. Total Type I savings from these projects are expected to exceed \$3.7M per annum. Certified DoN ASQ CSSBB in April 2006 and NAVAIR Certified BB in April 2007.*
- 2001 – 2004 *Range Support Aircraft Program Manager and Chief Engineer, Responsible for the overall effort to recapitalize VX-30 NP-3D and DC-130A aircraft inventories. Start up PM to replace these aircraft with new and re-hosted mission equipment. Helped to develop sponsorship agreements to fund the development of replacement Range Support Aircraft to support both Sea Range and Targets Competencies. Operationally managed a team of 7 civilian and contractor support personnel during this time period in developing a set of systems specifications to support the release of a Request For Proposal for contract development of the replacement aircraft and systems.*
- 1995 – 2001 *Naval Test Wing Pacific Aircraft Configuration Control Board. Responsible for the review and approval of an average 200 hardware modifications per year on VX-30 and VX-31 assigned aircraft and weapons. Responsible for the operational management of 7 ACCB assigned personnel to VX-30 and VX-31 in maintaining the accurate configurations of over 45 RDT&E aircraft and helicopters in the Test Wing inventory. Also served as a Civilian Test Pilot during this period.*
- 1995 – 2001 *West Coast Flight Clearance Control Officer. Responsible for review and approval of over 300 flight clearances per year on average covering all Navy aircraft and their integrated weapons. Responsible for the operational management of 9 additional Flight Clearance Releasing Authority Personnel on the West Coast and over 1,000 hardware and software flight clearances per year. NAWCWD lead in drafting, reviewing, and implementing consolidated NAVAIR flight clearance instructions.*
- 1994 – 1995 *Contractor Support to Weapons Test Squadron China Lake. Assisted in preparing, routing and consulting on flight clearances and aircraft configuration changes.*
- 1992 – 1994 *Deputy Chief Test Pilot, NAWCWD, China Lake. Responsible for the review and approval of all flight clearances, aircraft modification packages and test plans for over 30 RDT&E aircraft assigned to NAWS China Lake. Managed over 50 project and test pilots at NAWCWD China Lake in prosecuting over 100 test plans of every risk category. The test plan numbering and control system was developed during this time. Drafted and implemented the NAWCWD Aircraft Configuration Control Board Instruction, and was the first NAWCWD designated ACCB Chair. Led the R2508 Complex Control Board as the NAVY member and Chair twice. This office consisted of members from NAWCWD, China Lake, AFFTC, Edwards AFB, and NTC, Fort Irwin along with support staff at each of these locations. The 7 member staff of the Central Coordinating Facility at Edwards AFB and the FAA at High Desert TRACON (Joshua) were also under our operational control. Additionally served as Land Range Chief Test Pilot for the technical review and recommended approval of Range Test Plans and Commander's Packages. Project Test Pilot in FA-18A/B/C/D and T-39D aircraft for NAWCWD and NAWS China Lake Aircraft Department.*



- 1990 – 1992 *Strike and Operations Officer*, USS America, CV-66, Norfolk VA. Deployed for three operational cruises during this period including Operation Desert Storm. Responsible for the planning and scheduling of all combat air operations for the deployed Battle Group under CCDG2, C5F and C2F operational control during over 30 deployed months at sea.
- 1987 – 1990 *Chief Operational Test Director*, VX-5, China Lake CA. Served as the Assistant and Chief Test Manager of all operational test projects assigned during a portion of this period. Also served as Operations Officer and Chief Information Officer for this 30 aircraft operational test squadron under the direction of COMOPTEVFOR Norfolk VA.
- 1984 – 1987 *Squadron Department Head*, Cecil Field FL. VA-66 A 7E Squadron, Safety Operations, Administration and Maintenance Department head. Airwing strike leader qualified. VA-66DET Executive Officer in Charge.
- 1976 – 1980 *Squadron Naval Aviator*, Cecil Field, FL. VA-87, A 7E Squadron, Safety, Assistant Operations, Personnel, WTO, LSO, NSO, Aircraft and Line Division Officer, Airwing strike leader qualified
- 1981 – 1983 *Project Test Pilot and Test Operations Officer*, Strike Aircraft Test Directorate (SATD) Naval Air Test Center (NATC), Patuxent River MD.
- 1980 – 1981 Student and Graduate of the USAF Test Pilot School, Edwards AFB CA.

## EDUCATION

- 1972 Bachelor of Science in Engineering Physics, University of Oklahoma OK.
- 1972-1974 Graduate Research Assistant, Aero and Astro Engineering Dept, MIT MA.
- 1982-1984 Research Associate, Aerospace Engineering Dept, Princeton University, NJ.
- 1989 Masters Degree Subspecialty, Computer Systems Management, Navy Postgraduate School, CA
- 1981 Masters Degree Subspecialty, Aerospace Engineering Systems, Navy Postgraduate School, CA
- 1981 Certificate of Graduation, USAF Test Pilot School, Edwards AFB CA
- 1996 Certificate of Completion, Fractural Mechanics Program, CIT, CA
- 1996 Level III DAWIA Certified, SPRTE and T&E, DAU Fort Belvoir VA
- 2001 Certificate of Completion, Aviation Safety Programs, USC, Los Angeles CA
- 2004 Qualified Operational Risk Management Instructor for the U. S. Navy.
- 2005 Certificate of Completion, LSS Black Belt Training, George Group-Dallas TX
- 2007 Certificate of Completion LSS Master Black Belt Training, George Group TX

## INTERESTS AND ACTIVITIES

Region VI Deputy Director, Past Section Chair and Senior Member AIAA  
 Full member, Sigma Xi, MIT Chapter  
 Member of Indian Wells Valley Chapter ITEA  
 Current Chair, Indian Wells Valley Council NLUS  
 Current Chair, Indian Wells Valley Chapter MOAA  
 Past President, China Lake Rotary Club, Rotary International  
 Member of the American Physical Society (APS) and Sigma Pi Sigma  
 Member of the Society of Experimental Test Pilots (SETP)  
 Member Tau Beta Pi  
 Certified Member ASQ.

