

**Matthew Cox**

331 Manuel Sanchez Pl SW, Albuquerque, NM 87105  
(505) 503-5943 coxlss.com mcox@loglink.com

**PROFESSIONAL SUMMARY:**

A dedicated professional in quality and continuous improvement. Demonstrated ability to lead cross-functional teams of experts in a collaborative environment to produce high impact system and continuous process improvement. Skilled at maintaining relationships across departments and agencies working toward common goals, interests, and strategic objectives. Demonstrated capacity to deliver process improvement over a wide range of complex functional areas. Adept at total productive maintenance (TPM), process improvement, process excellence, business process reengineering (BPR), and change management. Qualifications:

- Leadership and Teamwork
- Lean Six Sigma and DMAIC
- Enterprise-wide Lean/CI Deployment
- Strategic Planning and Alignment
- Change Management
- CTx and KPI Development and Management
- Mentoring and Coaching
- Value Stream Mapping
- Data Collection and Statistical Analysis
- Problem Solving and Critical Thinking
- Process and Cycle Time Reduction
- Kaizen, 5S and Standard Work
- Training and Education
- Oral and Written Communication
- MS Office, Visio, Project, iGrafx, Minitab

**EXPERIENCE:**

September 2017 – Present: Credence Management Solutions LLC, Contractor, Kirtland AFB, New Mexico  
**Nuclear Command, Control, and Communications (NC3) Weapon System Risk Analyst**  
Air Force NC3 Weapon System Risk, Issue, and Opportunity Management and Analysis

- Developed the U.S. Air Force NC3 Weapon System process for risk, issue, and opportunity evaluation and analysis by adapting Failure Modes and Effects Analysis (FMEA) in a system of systems approach.
- Wrote the standard process guide for NC3 Weapon System risk analysis which included detailed flow diagrams, risk ranking guides, roles and responsibilities, performance metrics, and training plan.

October 2015 – August 2017: U.S. Air Force, Kirtland AFB, Albuquerque, New Mexico

**Director, Nuclear Control Point Logistics**

Air Force Nuclear Weapon Stockpile Management, Logistics, Field Support – 68 personnel, \$7.6M budget

- Doubled forecasting time for nuclear component deliveries through multi-agency coordination, process and policy revisions assuring completion of the President of the United States' nuclear weapon stockpile plan.
- Cultivated Air Force, FBI, Department of Energy and National Guard nuclear emergency response relationships, training, plans, and communication systems for federal, state, and local agency integration.
- Consulting Black Belt for University of New Mexico Medical Center applying VOC, data collection, analysis, Pareto, root cause analysis, cause-and-effect resulting in an 11-day decrease in hiring process cycle time.

July 2014 – October 2015: U.S. Air Force, Kirtland AFB, Albuquerque, New Mexico

**Director of Logistics, Air Force Nuclear Weapon Center**

Nuclear Logistics Programs, Policy, Procedures and Equipment Management – 26 personnel, \$1.6M budget

- Established the Air Force Nuclear Weapon Center lean program through resource, tools, and roadmap development resulting in a highly-capable continuous process improvement foundation.
- Mentored and trained 15 lean green and black belt trainees while overseeing 3 lean continuous process improvement events which led to administrative process cycle time savings of 46%.
- Drove process improvements in nuclear supply chain visibility and availability through tracking, analysis, and workgroups leading to critical nuclear component supply reduction time of 11% in only 6 months.
- Led a 12-member cross-functional lean team in VSM, uncovering root causes, finding waste, standard work reducing cycle time for nuclear technical data revisions from 110 to 45 days.

June 2011 – July 2014: U.S. Air Force, Royal Air Force Lakenheath, United Kingdom

**Director, Aircraft Maintenance and Production Group**

Aircraft Fleet Maintenance, Sortie Production, Inspection, Repair – 81 aircraft, 2,200 personnel, \$187M budget

- Led lean six sigma study on Pratt & Whitney -220/-229 engines by analyzing data, Pareto and root cause analysis resulting in 21% reduction in reported discrepancies and 80% reduction in in-flight emergencies.
- Led HH-60 helicopter lean continuous process improvement event which cut 12 days per inspection by optimizing scheduling, parts availability, and paperless forms saving \$1.25M year.
- Aligned Wing strategic planning with the Air Force Strategic Master Plan using SIPOC, SWOT, current and future state value stream analysis, and development of goals, objectives, and metrics.

June 2009 – June 2011: U.S. Air Force, Kadena Air Base, Okinawa, Japan

**Deputy Director, Aircraft Maintenance and Production Group**

Aircraft Fleet Maintenance, Sortie Production, Inspection, Repair – 81 aircraft, 2,400 personnel, \$5.1M budget

- Led a lean kaizen event employing problem-solving tools, 5-whys, identifying training and equipment issues, and implementing standard work for a 78% drop in F-15 flight control malfunctions.
- Lean facilitator, trainer, and mentor for 10 interns, certifying 4 Green/Black Belts, training 96 personnel, leading 5 events, establishing the culture, and saving 7,278 labor hours per year in process improvements.
- Led an aircraft inspection team in lean tools of VSM, bottleneck analysis, CPM, RCA, standard work, visual management, KPIs, floor and tool layout, reducing wait time 80%, and flow time 33%.

June 2008 – June 2009: U.S. Air Force, Langley AFB, Hampton, Virginia

**Team Leader, Headquarters Logistics Lean (Continuous Improvement) Office**

Logistics Strategic Planning, Training, Development, Enterprise-Wide Deployment – 26 divisions, 7 personnel

- Led Air Combat Command Logistics enterprise-wide lean deployment, planning, training, and development of strategic planning and transformation to align with the Air Force strategic master plan priorities.
- Coordinated with senior leadership, and inspired team collaboration reducing E-8 Command and Control aircraft inspection time 59%, engine inspection time 48%, and increased availability by 2 aircraft per year.
- Led the Langley Chapel team in VOC, data collection, analysis, problem-solving, and value stream mapping for 16% savings in resource utilization across 80 programs, and standard work Air Force wide.

June 2006 – June 2008: U.S. Air Force, Langley AFB, Hampton, Virginia

**Team Leader, F-15 Weapon System**

Aircraft Fleet Management, Sustainment, Modernization – 665 aircraft, 12 personnel, \$834M program budget

- Built and led a distributed lean team to improve F-15 electronic warfare system reliability 16% by proficiently engaging experts, performing root cause analysis, defining risks, and implementing mitigation.
- Initiated a team and applied lean concepts and tools of process mapping, waste elimination, standard work, 5S, and value-added analysis to cut F-15 thru-flight inspection time by 33%.
- Led 30-person cross-functional team in a lean kaizen event for unscheduled depot level maintenance reducing processing time 39%, increasing aircraft availability 3.0 and establishing as standard work.

**EDUCATION:**

1992 Master of Science in Logistics Management, Georgia College  
1989 Master of Science in Systems Management, University of Southern California  
1987 Bachelor of Science in Mathematics with Physics Minor, University of Great Falls  
1985 Associate of Science in Avionics Systems Technology, Community College of the Air Force

**CERTIFICATIONS:**

2009 Certified Lean Black Belt, Air University  
2008 Certified Six Sigma Black Belt, American Society for Quality  
2008 Certified Six Sigma Green Belt, American Society for Quality  
2007 Certified Lean Green Belt, Air University

**SECURITY CLEARANCE:**

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