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SUMMARY OF QUALIFICATIONS

Progressively responsible experience in process quality engineering in the aerospace, automotive, and commercial electronics/computer industries. Strong interpersonal and communication skills. Strong quantitative, analytical, and statistical skills; experienced mentor and teacher of statistics for Quality Engineers and new employees. Certifications include:

IQF Certified Six Sigma Master Black Belt	ASQ Certified Quality Auditor
ASQ Certified Six Sigma Black Belt	ASQ Certified Software Quality Engineer
ASQ Certified Quality Engineer	ASQ Certified Manager of Quality/Organizational Excellence
ASQ Certified Reliability Engineer	RAB Certified QMS Provisional ISO 9001 2000 Auditor

PROFESSIONAL EXPERIENCE

Senior Quality Engineer

Calvert Consulting, Santa Fe, New Mexico 2013-current

- Provide Quality Engineering Services for small, midsize and large companies
- Develop and write training programs related to Six Sigma, problem solving, statistics and audits
- Perform process, product and supplier quality audits.

Senior Quality Engineer II, Quality Supervisor

Raytheon RMS, Tucson, Arizona 2007-2013

- Supervised Quality Inspectors and contributed Quality Engineering support for RF Electronics and Integration
- Performed Audits and Quality Engineering oversight for Research /Development and MDA programs
- Developed Quality Planning, CDRs, RCCAs, HARs, MRBs for Engineering Projects CMMI5, AS9100, ISO9001
- Supplier Quality liaison for RMS Quality management to ensure Technical Problem Reports and Corrective Action Issues were resolved.

Quality Assurance Manager, DAPS Project Quality Manager, Senior Process Measurement Engineer

SAIC, Albuquerque, New Mexico, Columbia, Maryland 2004-2007

- Provide CMMI and ISO 9001-2000 and Quality Engineering Support for DAPS and TS&S Business Unit
- Software Quality Support for Projects, ISO 12207, CDRL s Software development, Peer Reviews
- Provide ISO 9001-2000 & CMMI Support, Measurement & Analysis, Internal Audits for Depts. and Projects
- Develop Measurement Plans and Balanced Scoreboards, Perform survey and data analysis

Quality Management Consultant

TIME SOLUTIONS CORP., Albuquerque, New Mexico 2003-2004

- Provide ISO 9001-2000 and NQA-1 Integration for Clients DOE
- Train and provide audit services and prepare e-learning for client Quality Management Systems
- Develop and train associates in ISO 9001-2000 Quality Management Systems and Process Mapping

Acting Quality Manager

THUNDER SCIENTIFIC CORP., Albuquerque, New Mexico 2001-2002

- Developed and deployed ISO 9001:2000 and ISO 17025 Calibration Quality Mgt. Systems.
- Interfaced with customer representatives regarding Quality system problems
- Trained associates in quality tools and techniques.
- Helped achieve NVLAP laboratory accreditation to ISO 17025.

Supplier Quality Engineer/Process Quality Engineer -Lead Auditor

HONEYWELL PSI/CES, Albuquerque, New Mexico; Phoenix, Arizona 2000-2001

Resolved quality issues between Honeywell and suppliers.

- Implemented corrective action tracking system.
- Conducted internal quality system audits: ISO 9001, AS9100 and ASCEP.
- Developed procedures/processes for internal audit program.

Supplier Quality Engineering/Development Manager, Process Quality Engineer

Universal Propulsion Company/BFG, Phoenix, Arizona 1998-2000

- Performed quality engineering support for ceramic initiator start-up program/PV.
- Prepared PPAP documentation (PFMEA, Control Plans, APQP), QS9000, and ISO 9001.
- Performed gage R&R, capability studies, DOE, design review, and corrective action.
- Developed and implemented supplier certification program.

Senior Quality Engineer

COMPAQ COMPUTER CORPORATION, FS&O, Houston, Texas 1996-1998

- Performed quality engineering function for support service of Compaq manufacturing.
- Performed quality planning for service providers and maintained ISO 9002 quality system.
- Developed vendor quality evaluation software requirements and supplier certification procedures.
- Quality project_ _champion for printed circuit assembly process improvement and removable media.

Senior Quality/Reliability Engineer

SPECIAL DEVICES INC. (SDI). Mesa, Arizona 1993-1996

- Performed process, system audits, and trained inspectors in audit techniques and SPC.
- Performed FMEA, MTBF, and failure analysis on automotive initiator device for vehicle airbags.
- Performed SPC analysis, capability studies, DOE and gauge R&R studies, and 8D corrective actions.

Senior Quality Engineer

HUGHES FSO, Herndon, Virginia 1989-1991

- Implemented MIL-Q-9858 quality program for flight simulation operations.
- Performed contract reviews and developed quality plans and CDRLS.
- Leader/facilitator and trainer for corrective action teams and quality improvement process.
- Developed and implemented Cost of Quality program and tracking system

Quality Engineer

HERLEY MICROWAVE SYSTEMS, INC., Lancaster, Pennsylvania 1987

- Total quality engineering effort for transponders and microwave modules used in radar systems for Westinghouse, Boeing, and Northrop.
- Developed and implemented MIL-Q-9858 quality program.
- Implemented WS 6536 soldering program, ESD program, and failure analysis reporting system.
- Performed contract and design reviews and chaired Material Review Board.
- Performed internal audits and vendor surveys and acted as liaison between DCAS and customer.
- Managed quality department and supervised four inspectors and one technician during Quality Director's absence.

Quality Control Leader

RCA GOVERNMENT COMMUNICATION SYSTEMS, Hanover, Maryland 1984-1986

Implemented MIL-Q-9858 quality program and developed audit program for in-process and final product.

- Developed and maintained reliability data reporting system for reliability engineering effort.

Quality Control Specialist

GENERAL INSTRUMENT, Amtote Systems, Hunt Valley, Maryland 1982-1984

- Verified that end item software met customer contractual requirements.
- Developed test scenarios for testing software applicable for racetracks, lottery systems, and prototypes.
- Developed and implemented software discrepancy reporting system for corrective action.
- Performed training for customer personnel in operating a real time/on-line computer system.

Quality Control Engineer

MARTIN MARIETTA, Baltimore, Maryland 1979-1982

- Responsible for quality control engineering from preproduction planning to final product acceptance
- for the G.E. fan reverser involving composites, sheet metal, and machine parts.
- Reviewed process control plans, tool drawings, and assembly drawings.
- Developed inspection instructions for first article and production parts. Performed testing of adhesives and composite materials
- Maintained process quality in clean room environment for composites

CONSULTING ASSIGNMENTS

- ITT Electro-Optical Products Division, Roanoke, Virginia -Senior Supplier Quality Engineer, 1992 -Liaison between suppliers and ITT for resolving quality-related problems for night vision systems.
- Battle PNL, Richland, Washington - Quality Engineer, 1991 -Developed and wrote quality plans and performed training for DOD/DOE-related contracts involving robotics.
- Allied Aerospace, Baltimore, Maryland-*Senior Quality Engineer*, 1988 Developed quality procedures for MIL-Q-9858 quality manual to meet Air Force audit requirements
- E-Systems, Falls Church, Virginia -Procurement Quality Assurance Analyst, 1986-1987 -Developed and implemented MIL-STD-1535 procurement quality system. Performed vendor surveys of printed wiring board manufacturers (per MIL-P-55 110).

EDUCATION and TRAINING

- B.A. Analytical Philosophy, Concentration: Philosophy of Science and Logic, University of Maryland Baltimore County (UMBC)
- Quality Engineer and Inspection courses, Catonsville Community College
- U.S. Navy Electronics A School
- Graduate, GMQI (Crosby) Quality Improvement Process Management Course
- Fundamentals of Management for Quality Supervisors, Loyola College
- Apollo Root Cause Corrective Action Training
- Dale Carnegie Training
- Minitab Trainer E-Learning, ASQ Lean Kaizen
- New Mexico Quality Awards Examiner Training, Baldrige Criteria
- Software Quality Assurance for the Nuclear Industry, Washington State University
- Introduction to NQA-I DOE Quality Assurance Program Requirements for Nuclear Facilities
- Introduction to CMMI (Capability Maturity Model Integration) SAIC-SEI
- Generic SCAMPI Appraisal Team Training

COMPUTER LANGUAGES

HTML, CSS, JAVASCRIPT

PROFESSIONAL AFFILIATIONS

- Senior Member, ASQ, Six Sigma Division Liaison, served as Vice Chair of Phoenix Section 0704,
- Member, American Statistical Association, Institute of Mathematical Statistics
- Past Member, Quality New Mexico and Awards Examiner (Baldrige),
- Past Member Albuquerque Software Process Improvement Network
- Member, International Society of Six Sigma Professionals, Member, International Quality Federation
- Past Part-time faculty, Gateway Community College - Phoenix. Quality Control Technology
- COMPUTER SKILLS
- Proficient in Microsoft Office Suite PC/Mac, & Project, Minitab, JMP, Statistica, and Statgraphics,
- Proquis Quality Management Software, All Clear Process Mapping
- Adobe Creative Suite
- Apple Mac OSX I Work Suite, Omni focus, Omni Outliner, Crystal Reports

PERSONAL ACTIVITIES

- Amateur Radio Relay League (hold extra class amateur radio license)
- First Marathon Running Group, San Francisco, USTS Triathlon Series, Baltimore, Baltimore Karate Tournament