



South Central Service Center

Hunter M. Sims, P.E.

Electrical Engineer

Dallas, Texas

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EDUCATION:

Bachelor of Science in Electrical Engineering, Cum Laude, Rose-Hulman Institute of Technology, Terra Haute, Indiana

EMPLOYMENT:

UNIFIED INVESTIGATIONS & SCIENCES, INC., (April 2007 to Present)

Forensic Electrical Engineer – Responsibilities include the evaluation of failures and malfunctions of electrical equipment, appliances, and systems that result in a loss or injury. Expertise includes analysis of high-tech electronic equipment, X-Ray imaging, failure analysis, failure modes and effects analysis, electrical stress analysis and recovery of video from security systems.

MOTOROLA, INC., (June 2000 to April 2007)

Global Category Manager – Responsibilities included all low volume, high mix ODM (Outsourced Design & Manufacturing) products for Motorola, roughly \$250M annual spend. Managed all ODM suppliers and programs in the Wireless Broadband, Mobility Computing, GPS Timing Module and related areas. Worked with suppliers in the US, Canada, Mexico, Brazil, India, Singapore, Malaysia, Korea, Hong Kong, China, Japan, and Taiwan.

EMPLOYMENT (CON'T):

Supplier Development Engineer – Inaugurated the Design Services commodity. Developed new methods for evaluation of design services suppliers. Assessed the capabilities and weaknesses of potential and existing design services suppliers. Assisted in the negotiation of Master Services Agreements. Implemented and executed follow-up programs with suppliers to improve their ability to support Motorola design activities. Managed the technical side of a variety of commodities, including injection molded plastics, sheet metal, and cabinets and inaugurated the Higher Level Assemblies commodity (cabinets with cabling, backplanes, power supplies, etc.). Responsible for the interface between design engineering and suppliers. Managed Early Supplier Involvement programs for new development activities.

SPECTRAPOINT, LLC. (November 1999 to June 2000)

Lead Reliability Engineer – Responsible for all reliability activities for the company. Developed and maintained a multi-user ACCESS database for tracking all failures. Analyzed failures to determine cause, risk of future occurrences and corrective actions. Prepared reliability predictions using RELEX failure rate prediction software.

RAYTHEON SYSTEMS COMPANY, (1997 to 1999)

Lead Reliability Engineer – Reported to the Manager of a \$200 million missile development and low rate initial production program. Responsible for control section design and reliability, telemetry systems reliability, commercial parts incorporation, and overall missile reliability growth.

- Managed subcontracted control section redesign effort using commercial parts which lowered the control section unit cost by 60%.
- Supervised design team that developed a control section test set providing full control section test and operation capability.
- Developed and executed the control section Reliability Development/Growth Test. Customer and subcontractor coordination was an integral part of this activity. This test resulted in a greater than 10X increase in control section reliability.
- Significantly (over 80%) reduced factory fallout of telemetry components by identifying three major sources of poor performance and changing factory processes and the supplier's manufacturing processes to eliminate them.

EMPLOYMENT (CON'T):

Member IEEE Working Group 1413 – Developed a new IEEE Reliability Prediction Standard (formally released 6 January 1999). Assisted in the early stages of the development of a guidelines document to accompany the standard.

TEXAS INSTRUMENTS, INC., (1980 to 1997)

Lead Reliability Engineer – Reported to the design support manager of a \$200 million missile development program. Responsible for control section design and reliability, guidance electronics reliability, overall missile reliability growth, reliability department cost accounting, and training of new engineers.

- Managed the sneak circuit analysis (subcontracted to Boeing in Houston). Identified cost saving measures that reduced the cost of this effort over \$300,000 (50%). This activity was executed and completed ahead of schedule.
- Managed the missile level Reliability Development/Growth Test. Worked with customer teammates to develop and execute the test plan. This activity was also completed under budget and on schedule.
- Developed and executed the program parts control activities, including the conversion to commercial parts after the Perry initiative took effect.
- Managed the reliability, testability and maintainability department cost accounts.
- Hired and trained 5 new engineers.

Lead Reliability Engineer – Reported to the design support manager of a very large classified program. As chairman of the monthly Failure Review Board, was responsible for coordinating the activities of 8 major suppliers, program support engineers, and customer personnel. Also contributed systems reliability support to the next generation design proposal.

Quality, Reliability, and Maintainability Assurance Supervisor – Supervised a team of 13 engineers and technicians responsible for all aspects of quality, reliability and maintainability for a \$100 million satellite communications development program.

Reliability Engineer – Worked short-term assignments in positions of increasing responsibility on a variety of programs. These assignments included long-term military avionics production, proprietary commercial development, and on-satellite navigation equipment. Performed reliability allocations, modeling and predictions, stress analysis, Failure Modes and Effects Analysis, failure reporting and analysis, customer interface, supplier interface, cost estimating, proposal support, etc.

SPECIALIZED TRAINING:

- Modern Power Systems Protective Relaying,
Houston, TX, December, 2010, 18 hours
- Photography In Depth
Flower Mound, TX, October, 2010, 15 hours
- Introducing Your Digital Camera
Flower Mound, TX, September, 2010, 2.5 hours
- X-Ray Operation
Arlington, TX, September, 2010, 4 hours
- Understanding Ground Resistance Testing
Dallas, TX, February, 2010, 8 hours, tested
- Accidental Fire Investigation
Houston, TX, October, 2009, 1 hour
- Evidence Handling & Spoliation
Houston, TX, October, 2009, 1 hour
- Instructors Training for the IAAI Expert Courtroom Testimony Program
Fort Worth, Texas, February, 2008, 20 hours
- 2008 National Electrical Code
Plano, Texas, January, 2008, 16 hours
- Forensic Fire Scene Reconstruction
South Padre Island, Texas, November 2007
- UIS Investigation School/Investigations
Dallas, Texas, October 2007, 40 hours
- Hands-On Electrical Fire/Arson Investigation
Humble, Texas, October 2007, 18 hours, tested
- Fire Investigation and Engineering for Property and Casualty Claims
Houston, Texas, September 2007, 5 hours
- Investigations of Electrical & Appliance Related Fires
Arlington, TX, June 2007, 22.5 Hours Tested

SPECIALIZED TRAINING (CON'T):

- Process FMEA for Supply Chain
Fort Worth, Texas, November 2006, 8 hours, tested
- 8D for Supply Chain
Fort Worth, Texas, September 2006, 8 hours, tested
- Understanding IMS for All-IP Wireless Networks
Fort Worth, Texas, August 2006, 16 hours
- Understanding the 802 Wireless Standards
Fort Worth, Texas, August 2005, 16 hours
- Overview of Wireless LAN – TIPS Networking
Fort Worth, Texas, May 2005, 4 hours
- IP Networking
Fort Worth, Texas, May 2005, 3 hours
- RoHS and WEEE Awareness
Fort Worth, Texas, August 2004, 1 hour
- Six Sigma Foundations
Fort Worth, Texas, March 2003, 1 hour
- 3G Wireless Mobile Communications with a Radio Focus
Fort Worth, Texas, May 2001, 16 hours

PROFESSIONAL ORGANIZATIONS:

- International Association of Arson Investigators
- National Fire Protection Association
- National Association of Fire Investigators

LICENSES & REGISTRATIONS:

- Registered Professional Engineer State of Texas No. 78217
- ASQC Certified Reliability Engineer from 1993 to 1996