

Steve H. Oaks

(H) 972-966-1781; (M) 469-496-6144

E-mail: soaks100@hotmail.com

Education

BSEE, 1984, Purdue University, West Lafayette, Indiana

Introduction

Systems Engineer for Product RMS (Reliability, Maintainability and Safety) for development and production programs. Engineering contributor and Manager by establishing written plans for project work and demonstrating consistent on time delivery of engineering deliverables. Adaptable and versatile by covering many bases, goal oriented by establishing goals that address work to be delivered and program needs.

Objective

Objective is to locate a position and provide a comprehensive RMS Engineering program.

Skills

- Systems Engineering (Reliability, Maintainability, Product Safety)
- Reliability, Maintainability, Product Safety Program Planning from program start to finish.
- Cost Management and Scheduling
- Establishing Goals
- New Business Proposals (cost estimates and technical volume input)
- Design Analysis (Reliability, Maintainability and Safety Analysis).
 - Predictions, Reliability Modeling, Failure Modes Analysis
 - Testability Analysis
 - Safety Analysis
- Manufacturing and Reliability Testing
 - Manufacturing Environmental Stress Screening (ESS)
 - Manufacturing Highly Accelerated Stress Screening (HASS)
 - Reliability Development Growth Testing (RDGT)
 - Highly Accelerated Reliability Testing, (HALT)
 - Reliability Qualification Testing (RQT)
- Built in Test (BIT) Demonstration Testing
- Qualification (MIL-STD-810) and Environmental Testing
- Statistical Analysis
- Parts Control and Component Specifications
- Failure Analysis
- Failure Reporting and Corrective Action Systems
- Supplier Interface and specification flow down
- Software Tools Implementation (RAM Commander).
- Focused on improving Equipment Reliability, minimizing Equipment Down Time and Equipment Safety

Qualifications

- Experience in RMS Engineering, Military and Commercial

Professional Experience

ESA Fort Worth (2005-2024). Began as a Senior Reliability Engineer and became a Systems Engineering Manager and a Staff Engineer.

- Performed and Managed Reliability, Maintainability and Product Safety for multiple Development programs, Defense and Commercial projects, including LRUs for the Apache Helicopter, F-16 Aircraft and a commercial Enhanced Vision System.
- Business Proposals (Cost estimate to support Truth in Negotiation Act (TINA) compliant proposals and technical input).
- Completed several HALT Tests and Reports.
- Completed a formal BIT Demonstration.
- Received approval for capital expense for Software Tools and implemented RAM Commander for R&M and Safety Analysis.
- Tracked and organized cost actuals for group with impact being a solid data base to support cost estimates.
- Managed group of direct reports and contractors (3-8) for Product Reliability, Maintainability, Safety and Human Factors.

Nokia (1999 – 2005). Reliability Engineer at Nokia Networks in base station R&D supporting design and development of base station products. Work included Reliability Testing, RF testing, design analysis, coordination of work with partners and suppliers, Reliability Training of program personnel, scheduling and planning of Reliability work. Responsibilities included working as an individual contributor and as a Group Leader with a reporting group of 4-9 persons.

Texas Instruments Defense Group/Raytheon Systems Company (1985 – 1999). Lead Reliability Engineer for the Javelin program at Raytheon. Work included support for startup production program and transitioning to full rate production. Emphasis on supplier interface for critical items, supporting supplier qualification tests, and environmental qualification, Performed RQT of the Javelin Field Tactical Trainer. Responsibilities included working as an individual contributor and with a reporting group of 2 persons. Previous work in Reliability Engineering included support of development programs in design, build, and delivery of engineering development and pre-production units. Work included completing a RDGT Procedure, test and report, support of team performing environmental qualification testing, failure investigations and corrective action, Reliability Predictions and Modeling, ESS, critical supplier control and interface, parts control and standardization, cost manager for Reliability and Maintainability.

Education, Certifications and Memberships

- BSEE, Purdue University, West Lafayette, IN.
- CRE (Certified Reliability Engineer) by American Society for Quality (ASQ).
- Member of Institute of Electrical and Electronic Engineers (IEEE) and ASQ.