

## **Joseph E. Tallent**

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**PROFILE:** Lab/Quality Manager, offering Fifteen plus years of, progressive, experience in quality engineering and Lab Management. Manage a team of test technicians to proactively address problems and improve product quality, manufacturing processes, customer satisfaction and bottom-line results for two-way radio products, Infrastructure systems and accessories by utilizing various environmental stresses including temperature, Humidity, Drop, Vibration, ESD, and others as appropriate. I am familiar with IEC61000-4-X suite of tests, UL60950, Mil-Standard 810 and have the ability to create new tests for unique circumstances. I am an Accelerated Life Testing subject matter expert with experience in reliability analysis of two way radio and accessory products.

**PROFESSIONAL *MOTOROLA***, Schaumburg, IL (1989 - Present)

### **EXPERIENCE:**

#### **Lab/Quality Manager (2006-Present)**

- [ Responsible for all aspects of lab operations including scheduling test requests according to equipment and staff availability, equipment preventative maintenance program , and annual equipment calibration.
- [ Test various products per industry standards and internal Motorola Solutions standards.
- [ Responsible for lab technician performance reviews and any required disciplinary actions.
- [ Accelerated Life Testing subject matter expert.
- [ Serve as lab Quality Assurance Engineer and Test System Engineer.
- [ Responsible for data analysis of test results including survival analysis, Weibull analysis, Pareto Charts, etc.
- [ Responsible for departmental budget and capital requests.
- [ Responsible for weekly and monthly lab reporting such as test updates and equipment repair metrics.
- [ Responsible for test lab compliance to ISO 9000 and ISO 14000 Safety audits/standards.
- [ Mentor Reliability Lab personnel and Engineering team personnel for Green Belt and Black Belt recognition.
- [ Developed new accelerated reliability test for mobile and portable radios and accessories to better test product before ship acceptance.
- [ Developed a new engineering reliability test for repeater products to better verify that product is ready for final ship acceptance testing, which reduced cycle time by over 50%.
- [ Responsible for developing test processes for unique products that do not fit within standard processes.

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### **Quality Assurance Engineer (2001- 2006)**

- [ Drive organizational involvement in the use of Six Sigma tools by promoting the use of Six Sigma methodologies within the organization and mentoring Green Belt and Black Belt candidates. Participated in Group and Sector Six Sigma projects. Was a member of the CGISS Six Sigma Black Belt Steering Committee.
- [ Responsible for managing test lab operations and scheduling reliability tests.
- [ Work with MOL engineers to create vendor qualification plans for products of third party vendors.
- [ Responsible for Automated Test Equipment support in the Accelerated Life Testing Lab. This included maintenance and troubleshooting of HP SRM and creating and programming test sequences in National Instruments LabVIEW utilizing a GPIB interface that replaced the SRM.
- [ Work with Motorola's Product Engineers to ensure that new products meet quality standards and that new processes do not introduce issues that would compromise product quality.
- [ Test product to ensure that it meets Motorola Standards as well as interface with Development Engineering to make sure that any test plans are adequate and that any roadblocks are mitigated ahead of time.
- [ Created ALT Lab Process Control procedure for test benches.
- [ Help and consult with software team in order to meet SEI level 5 certification.
- [ Maintain departmental website.

### **Various Positions (1989 - 2001)**

- [ Test Technician, Assistant System Administrator, Production Operator

### **EDUCATION:**

#### **Bachelor of Science in Computer Science with a Business Option, 1989**

Western Illinois University, Macomb, IL

#### **Associate in Arts, 1987**

Southeastern Community College, West Burlington, IA

**PROFESSIONAL TRAINING:** Continuous Improvement, Six Sigma Concepts, Design for Six Sigma(DFSS), DMAIC Problem Solving, Process Characterization Concepts, Comparative Methods, Sources of Variation/Measurement System Analysis, Design of Experiments, Statistical Process Control and Capability, Design of Experiments, Weibull Analysis, JMP Statistical Software, Minitab, MS Word, MS Excel, MS PowerPoint, HTML Programming, National Instruments LabVIEW.

### **HONORS AND AWARDS:**

**Motorola Six Sigma Black Belt**, October 2002.

**Motorola Six Sigma Green Belt**, January 2001.