



The next ASQ Boulder Section meeting will be held on Thurs, Nov 17th at Aircell Technology Corp with doors open at 5:30pm and the main talk at approx 6:15pm. Please see more meeting details on page 3. Several job openings listings, starting on page 11

Volume 18, Issue 4

Nov-Dec 2011

NOVEMBER CHAIR MESSAGE

Hello to everyone in the ASQ, Chapter 1313. I am your new Section Chairperson. I am currently the Director of Quality Systems at Covidien, Respiratory and Monitoring Solutions, Boulder, Colorado. Quality functions under my purview include Document Management, Records Management, Supplier Quality, Training, Technical Services, as well as several Manufacturing and Service Centers. I am the Management Representative for the business, responsible for the quality system deployed to over thirty business locations, across four continents.

I offered my available time and energy to the ASQ Section 1313 through the 2011 quality survey because I feel the Section provides a wonderful opportunity to communicate, collaborate, and coordinate common themes and interests. I wanted to contribute in any way to advance the mission and vision of the Section. I believe that professionalization of the individual and the discipline is never ending. Continuous improvement should be constantly pursued. Collaborative engagement helps enrich our experience and opportunities. These are some of my professional themes that I hold.

As for my vision for the Section, I want to broaden the reach of the Section, beyond what has already been achieved. More importantly, I want to hear from members and customers of our services to determine what is most important. What more is needed? Where could we go? What could be different? Think no small thoughts. I want to hear your ideas. We can synthesize the input to create a more attractive and stronger product that returns greater value to the community and the members. I want to create 'pull' for what we have to offer. To do this, I need to hear your voice. Please let me or the board know your thoughts, interests and ideas. As always, I am at your service.

Mark O. Soderberg, ASQ Section 1313, Chair

First come, first serve: There is 1 pair of tickets left available to the ASQ Boulder Section Spouses (or) Significant Others Night at the Boulder Dinner Theater. The show is: **"Phantom of the Opera"** **This opportunity is open to all #1313 members.** RSVP to Gerry Naugle by phone message:303-591-2830(or)by e-mail to gnaugle@earthlink.net and a payment of the \$20 per ticket (1/2 price) made to "ASQ Boulder Section" and USPS mailed to: Gerry Naugle P.O. Box 3783 Boulder, CO 80307

ASQ'S Customer and Member Center:

E-MAIL: help@asq.org

PHONE: 800-248-1946

FAX: 414-272-1734

USPS ASQ Communications

MAIL: 600 N. Plankinton Ave.

P.O. Box 3005

Milwaukee, WI 53201-3005

We suggest that you go to the ASQ National website at: www.asq.org for complete ASQ national news, regional event links, books, courses, yearly certification testing, re-certifications, conferences, ASQ Divisions and on-line membership forms, including member upgrades and what is needed to update your own member profile. And, while you are on the internet, be sure to visit **ASQ Boulder Section website** at: www.asq1313.org

Did You Know? ASQ Divisions and Sections offer approx. 70 scholarships, some of which go untapped due to limited number of student applicants.

ASQ Boulder Section News

New 2011-12 Monthly Meeting Location

The 2011 November meeting (and) the 2012 Jan – May meetings will be held at our corporate sponsor Aircell Technology Corporation, Building A conference room which located at: 303 S. Technology Ct, Broomfield, CO 80021-3411.

There is a Map to the Aircell Corp facility on page 3

Many thanks to the management of Aircell Corp and to Rebecca Jessep, immediate past section chair and Aircell QE for making arrangements for the year. The conference room holds approx. 30.

Note: The next Section newsletter will be in mid-Jan.

news continued on page 4

ASQ #1313 Officers & Committee Chairs 2011-12

ASQ Section 1313 Boulder, CO	
Title: Chair Name: Mark Soderberg Phone: 303-905-8757 E-mail : markosoderberg@hotmail.com	Title: Vice Chair Name: Rebecca Jessep Phone: 303-587-7067 E-mail : rebeccajessep@hotmail.com
Title: Secretary Name: Joe Wojniak Phone : 303-530-6581 E-mail: joe.wojniak@yahoo.com	Title: Treasurer Name: John Beachman Phone: 720-313-2746 E-mail: john.beachman@covidien.com
Title: Re-Cert Name: Larry Derouin Phone: 303-431-9287 E-Mail: LWDerouin@comcast.net	Title: Internet & Website Name: Arnold Miller Phone: 303-466-2631 E-Mail: arn_miller@earthlink.net
Title: Publicity and VOC Name: Byron Murray e-mail: byron.murray@yahoo.com	Title: New Members Name: e-mail:
Title: Financial Auditing Name: Ewald Schelert Phone: 303-702-9009 E-Mail: schelert@mesanetworks.net	Title: Education Chair Name: John Beachman Phone: 720-313-2746 e-mail: john.beachman@covidien.com

Title: Newsletter Editor Name: Gerry Naugle Phone: 303-591-2830 e-mail gnaugle@earthlink.net	Title: SMP Name: Mike Ferraro Phone: 720-684-2035 E-mail: michael.a.ferraro@seagate.com
Title: Certification Name: Wells Lange Phone: 303-604-6694 E-mail: wellsolly@comcast.net	Title: Programs Name: Rebecca Jessep Phone: 303-587-7067 E-Mail: rebeccajessep@hotmail.com

#1313 Upcoming Meeting Information	Page 3
ASQ National & Boulder Section News	Pages 4-6
Boulder Section Course Descriptions	Pages 6-7
Boulder Section Courses 2011	Pages 8-9
Boulder Courses Registration Form	Page 9
Non-ASQ Section Training Offerings	Page 10
Quality Related Job Postings	Pages 11-15
CPEX Events and Updates	Page 16



Lean Six Sigma Experts

100% Satisfaction Guaranteed!

Integrated Lean Six Sigma Certification Program

- Lean Six Sigma Green Belt
- Lean Six Sigma Black Belt
- Lean Six Sigma Master Black Belt

SERVICES

Training

- Lean Six Sigma
- Change Management
- Leadership

Consulting

- Lean Six Sigma
- Rapid Improvements
- CI Strategy

Recruiting

- Specializes in Lean Six Sigma talent hiring

Software

- Software applications development to support Continuous Improvement

10% off

all training classes

Coupon Code

0211ASQ

www.LeanSixSigmaExperts.com
1-800-961-9479

Upcoming ASQ #1313 Main Meeting Presenters as of: Nov 12th, 2011

Nov 17th Doors open at 5:30pm at Aircell Technology Corp Conference Room

5:30 PM Networking and snacks

6:15 PM Main Talk: **Gregory McGee** Ball Aerospace Corp Corp/Boulder on: “*HALT (Highly Accelerated Life Testing)*”

Map to Aircell Corporation, Building A, Conference Room Note: Colo Hwy 121 in this map is Wadsworth Blvd

303 South Technology Court, Broomfield, CO 80021



MBNQA For info on the Malcolm Baldrige National Quality Award Program, visit www.quality.nist.gov

CPEX/RMPEX For info on the Colorado / Rocky Mtn Performance Excellence Program (Colorado State quality and business performance program), visit www.coloradoexcellence.org

Contact: 303-893-2739 Please see page 16 of this newsletter for the most recent information on upcoming CPEX/RMPEX activities and events. **The Boulder ASQ Section is an active sponsor of the CPEX / RMPEX Organization.**

Call for Presentations – for RMQC - September 13-14, 2012

ASQ Denver Section 1300

P.O. Box 849

Conifer, Colorado 80433

303-571-9306

If you are interested in any of these positions or would like to know about other volunteer positions with ASQ Denver, please contact Laura Shipley (ljshipley1224@gmail.com or [720.232.6981](tel:720.232.6981)).

From Quality Press

Sustaining Lean in Healthcare: Developing and Engaging Physician Leadership

Michael Nelson

This book explains how to ensure ongoing physician participation long after the consultant leaves. Dr. Michael Nelson, an early adopter of lean in healthcare, explains how to use these synergic tools to achieve consistently high levels of quality and clinical care outcomes. It begins with a lean primer that provides a firm foundation in essential concepts, including value stream maps, 6S, Kanban, Heijunka, and Gemba Walks. Next, it examines how to create a physician engagement plan and covers the specific responsibilities of physician leadership through the lean transformation. Explaining what to look for when judging success, it provides numerous examples that demonstrate how to sustain success over the long term. Complete with tips for spotting the danger signs that might indicate your plan is off course, this book details time-tested techniques and strategies for reducing waste in healthcare. It supplies a methodology for establishing shared expectations of success with your medical team early on in the process, as well as a proven framework for simultaneous lean deployment across multiple locations.



Have you received the training you need to stay ahead? Being in the medical device industry, you understand the importance of ensuring compliance with federal guidelines, reducing risk, and improving patient safety. Get the training you need to achieve your goals!

Register for these upcoming Instructor-led (Web-based) courses:

[Process Validation for Medical Device](#)

November 30, 2011

[Risk Management for Medical Device](#)

December 8, 2011

[Medical Device Export/Import](#)

December 8–9, 2011

Space is limited, so register today. And don't forget, you can take advantage of **member pricing** on these courses!

Updates to ASQ Recertification Journal

There are changes to the recertification journal categories, including more opportunities for RU credits, and the categories have been better de-fined to make recertifying easier. The 18 RU credit amount remains the same. To order a new journal, call the ASQ Customer Care at: **1-800-248-1946** and ask for item **B0525**

Unemployment Program for Membership Available from ASQ

ASQ headquarters is offering resources for members who have encountered job loss. One benefit for those who want to retain their membership, but have difficulty renewing because they are currently unemployed, are discounted membership dues. Participating members receive a discount on their membership renewal based on consecutive years of membership. Currently, membership dues are \$129 for current Full (formerly Regular), Senior, and Fellow members. For more information, and to check out other resources available, visit <http://work.asqquality.org>

BOULDER SECTION CORRESPONDENCE ADDRESS

ASQ Boulder Section

P.O. Box 21595

Boulder, CO 80308-4595

Note: All education & course registration materials should be sent to Section Education Chair (please see the last page of the education section for contact information)

ASQ BOULDER SECTION #1313 COURSE DESCRIPTIONS *Revised 11-12-2011*

1301 – CERTIFIED QUALITY ENGINEER (CQE) REVIEW

This is a refresher course for those preparing to take the ASQ Certification exam. This course is advanced and intense. The instructor has an excellent text specific to this course, which is provided at no additional cost. It is recommended the student bring a copy of Juran's Quality Handbook, 5th ed., which can be purchased for about \$135 through ASQ but used copies can often be found for much less on the Internet. The students must bring their own calculator. For additional details or questions, contact the course instructor or the Section Education Chair (his contact information is on page 10).

1305 – CERTIFIED SOFTWARE QUALITY ENGINEER (CSQE) REVIEW

This is a refresher course to aid in your preparation for taking the ASQ Certification exam. The Certified Software Quality Engineer is a professional who has comprehensive understanding of software quality development and implementation, a thorough understanding of software inspection, testing, verification, and validation, and can implement software development and maintenance processes and methods. The exam requires you have minimum software testing or development experience and you must meet certain minimum requirements. Each student needs to purchase the latest edition of the CSQE Primer published by the Quality Council of Indiana (QCI) prior to the first class (cost is approximately \$70). To order, contact QCI at 1-800-660-4215 or www.qualitycouncil.com. For additional details or questions, contact the course instructor or the Section Education Chair.

1322 – ASQ Exam BoK: Quality Concepts, Management and Leadership

This course covers the Body of Knowledge (BoK) any quality professional should know about quality. This covers the history of quality from philosophies to current day methodology. This course is a must for anyone pursuing ASQ Certification or seeking a professional quality career.

Cost includes materials fees

Prerequisites: None

Course Outline:

- Management and Leadership [Organization Structures; Strategic Planning, Team Processes]
- The Quality System [Quality Philosophies; System Models; Measuring Effectiveness]
- Customer Focus
- Supplier Chain Management
- Product and Process Design
- Product and Process Control
- Continuous Improvement
- Management Tools [The Seven Classic Quality Tools; Basic Management and Planning Tools; Process Improvement Tools; Innovation and Creativity Tools]

1323 – ASQ Exam BoK: Statistical Principles, Techniques and Applications

Learning the principles of statistics in an understandable way as well as practical applications in the workplace. From understanding variation to hypothesis testing to process capability studies -- this course covers it all. The course covers the Body of Knowledge (BoK) required for ASQ Certification Exams.

This is also excellent for any quality professional seeking a core understanding of the quantitative methods used in any improvement strategy such as Six Sigma or Lean covers the history of quality from philosophies to current day methodology. This course is a must for anyone pursuing ASQ Certification or seeking a professional quality career.

Cost includes materials fees

Prerequisites: Ability to understand basic mathematical expressions would be useful as well as ability to use a hand-held calculator.

Course Outline:

- Descriptive Statistics [Measures of Location; Measures of Spread; Shape of Distribution; Normal distribution]
- Concepts of Probability
Statistical Decision-making [Central Limit Theorem; Test of Hypothesis; Alpha and Beta Risks]
- Statistical Process Control (SPC)
- Analyzing Process Capability
- Design of Experiments (DOE) [Full Factorials; ANOVA Tables; Partial Factorials (Taguchi)]
- Relationship Between Variables
- Reliability Statistics

1324 – ASQ CQE Book of Knowledge (BoK) Review

This course is designed to help you properly prepare to take and pass the CQE examination. The objective of the course is to help you put together a study plan. An overview of the Body of Knowledge (BOK) covered by this exam will be given. Detail study of the BOK is the responsibility of the student. Included in this course are effective test taking strategies

Cost includes materials fees

Prerequisites: None; however, the following ASQ Boulder Section courses would help those needing more detail knowledge:

- 1322 - ASQ Exam BoK: Quality Concepts, Management and Leadership
- 1323 - ASQ Exam BoK: Statistical Principles, Techniques and Applications
- Also there are requirements to be able to take the CQE exam.
- See ASQ website <http://www.asq.org/certification/quality-engineer/>

Course Outline:

- How to gather reference material
- How to do a self assessment
- How to develop a study plan
- The Body of Knowledge [Management and Leadership; The Quality System; Product and Process Design; Product and Process Control; Continuous Improvement; Quantitative Methods and Tools]
- What to take to the exam
- Test taking strategies

INSTRUCTORS & COURSE DESCRIPTIONS: A list of instructor biographies and course descriptions can be found on the ASQ Boulder Section web site, <http://www.asq1313.org/> **COURSES LOCATIONS:** Contact the ASQ Boulder Education Chair, John Beachman at: john.beachman@covidien.com or 303-530-6346 to see if the class you want can be made available in the Colorado Springs, Denver, Loveland or Ft. Collins area.

2011-12 ASQ Boulder Section Course Offerings

Updated 11-12-2011

Course Name	Instructor	Course Fee (1)	Exam Date	ASQ Exam Application Deadline	Course Dates & Times	Course Registration Deadline
1301 - Certified Quality Engineer (CQE) Review	Monrad Monsen 303-272-9612 Location: TBD	\$400 members / \$450 others				

Course Name	Instructor	Course Fee (1)	Exam Date	ASQ Exam Application Deadline	Course Dates & Times	Course Registration Deadline
1305 - Certified Software Quality Engineer (CSQE) Review	Arnold Miller 303-466-2631 Location: TBD	\$400 members / \$450 others				
1322 - ASQ Exam BoK: Quality Concepts, Management and Leadership	Ron Sedlock 303-716-5873 or 303-587-9153 Location: TBD	\$270 per student + \$25 material = \$295 Total				
1323 - ASQ Exam BoK: Statistical Principles, Techniques and Applications	Ron Sedlock 303-716-5873 or 303-587-9153 Location: TBD	\$270 per student + \$25 material = \$295 Total				
1324 - ASQ CQE Book of Knowledge (Bok) Review	Ron Sedlock 303-716-5873 or 303-587-9153 Location: TBD	\$135 per student + \$15 material = \$150 Total				

(¹) Course fee for ASQ or other professional society member/non-member. (2) Cost of primers, texts, workbooks, etc. are not included and must be purchased by the student prior the first class. Contact the Boulder Education Chair, **John Beachman**, (his contact information below) for details. FOR INFORMATION UPDATES, please go to the Boulder Section web page: <http://www.asq1313.org/courses.html>

If there is a class you need but is not listed above. We may be able to offer that class in the future.

COURSE REGISTRATION INFORMATION

You do not have to be a member of ASQ to attend a class however, members of ASQ and other professional societies receive a discount for classes. Local Quality professionals teach all classes in the Boulder/Longmont/Broomfield area unless otherwise noted. We contact you at least two weeks in advance of the class start date for the exact location. Classes are typically held at a company that employs one of the students. You may nominate your company for hosting a class. Directions and registration confirmations are provided. Participants receive a certificate upon completion of the course. We need a minimum of about 4 - 5 students to hold a course and we reserve the right to cancel or postpone classes not having enough students. A full refund will be given if minimum class registration requirements are not met. If you cancel within two weeks prior to a class beginning you may not receive a refund.

ASQ CERTIFICATION REVIEW COURSES: These courses are intended as a refresher course for those preparing to take the ASQ Certification exam. These courses are typically not introductory and are intended for people with either academic and/or on the job experience. NOTE: Enrollment in a class DOES NOT enroll the student for the certification exam. The student is responsible for confirming exam dates and application deadlines with ASQ Headquarters. Qualification requirements for sitting for an exam and information regarding exam applications may be obtained by calling ASQ Headquarters at 1-800-248-1946 or go to <http://www.asq.org>

ASQ #1313 COURSE REGISTRATION FORM

Please complete the following information as thoroughly as possible. In case of a schedule change or cancellation, we really appreciate two phone numbers to contact you.

Student's Name: _____ ASQ Membership #: _____
or other Society and #: _____

Title: _____

Company Name: _____

Address: _____

Daytime phone: _____ Night time phone: _____

E-Mail: _____ or FAX: _____

Course # and Name: _____

Course Start Date: _____

Course Fee: \$ _____ (ASQ Member) \$ _____ (Non-member)

Please enclose a check payable to "ASQ Boulder Section" and contact the Boulder Section Education Chair John Beachman at: john.beachman@covidien.com (or) 303-530-6346, to reserve your spot in the course that you want. Please send checks to the address below.

ASQ Section 1313 Education c/o Mr. John Beachman 2031 Amethyst Dr Longmont, CO 80504

GUARANTEE: If you pay for and take one of our ASQ Certification review courses and still fail the Certification Exam, you may retake the course for free as many times as you need. The instructor reserves the right to charge for course materials (e.g., handouts, etc.). Your ASQ section leadership is committed to meeting your quality-related education and certification needs. If you have any questions about a particular course, please contact the instructor or the Boulder Section Education Chair (contact information above).

Non-ASQ Boulder Section (or) Non-ASQ Denver Section Training Resources

From: the quality Catalyst Inc. If you have a need to get ASQ Certified this in 2012, let me know. I offer, if the demand is there, preparation classes for the following exams:

Certified Manager of Quality and Organizational Excellence (CMQ/OE)
Certified Quality Engineer (CQE)
Certified Reliability Engineer (CRE)
Certified Quality Auditor (CQA)
Certified Quality Technician (CQT)
Certified Six Sigma Green Belt (SSGB)
Certified Six Sigma Black Belt (CSSBB)

I also offer various quality courses. Many are useful perquisite for ASQ Certification as well as Six Sigma Lean. The following are examples of my offerings:

Course Name: Statistics: Principles and Applications

Description: This class is a must for anyone pursuing any ASQ Certification or understanding the statistics of Six Sigma.

Course Name: Process-Based Auditing

Description: Process-based auditing requires a different skill set then traditional element-based auditing. This course goes beyond basic lead assessor training to auditing process linkages, system effectiveness and customer satisfaction.

Course Name: Providing Outstanding Service Quality

Description: Traditional quality approaches have their roots in a manufacturing economy. We are no longer in a manufacturing economy. This course covers the key differences between a producing a quality product and a providing a quality service. The cost of all courses depends on the number of students. The dates, time and location is to be determined. All my courses can be brought in-house. Typically if you 6 or more students it is more economical and convenient to conduct the training on-site. Contact me if you need to budget for 2012. If you have any questions, feel free to contact me.

Ron Sedlock the quality Catalyst
Phone: 303-716-5873 or 303-587-9153 (cell)
E-mail: ronsedlock@thequalitycatalyst.com
Web site: www.thequalitycatalyst.com

Colorado Quality Executive Network (CQEN)

This is a network of the top quality executive from various Colorado organizations. The purpose of CQEN is to share ideas on current quality trends and issues. Membership to the CQEN is by invitation only. Please pass on this information as appropriate.

Date: Thursday, January 27, 2012 Time: 1:00 to 5:00 pm Location: Hunter Douglas, Broomfield

For more information, contact Ron Sedlock the quality Catalyst (contact information above)

Quality Related Careers Job Postings



We suggest that you frequently go to: www.nrel.gov use the employment link

[Platinum Registration, Inc](#)

An accredited quality management system registrar located in Denver, Colorado is seeking subcontract auditors to perform National and International certification audits. The ideal candidate will be IRCA or RAB certified, have broad industry experience and be an excellent written and verbal communicator. Skill in Microsoft products required.

For consideration, please send your resume via email to info@platinumregistration.com. Please reference "Subcontract Auditor Position" in the email subject line.

Kerri Williams, President

Platinum Registration, Inc.
3955 East Exposition Avenue, Suite 206
Denver, CO 80209
Office: 303-639-9001
Direct: 303-639-9001
FAX 303-722-3847
www.platinumregistration.com

Encision Inc, Boulder, CO:

Vice President of RA/QA

The position is responsible for ensuring domestic and international market clearance for Encision's current and developing product lines, and for development and implementation of a quality system in compliance with FDA Quality System Regulations, and with quality system requirements in target international markets.

Education, Experience and Skill Requirements:

- Requires a bachelor's degree, relevant technical training, plus a minimum of 5 years operating experience in regulatory and/or quality assurance function in a medical device company.
- Excellent verbal and written communication skills.
- Must be proficient in Microsoft Office.
- Effective supervisor skills in managing regulatory and/or quality professionals.

Please send current resume to hr@encision.com

Test Engineer – Manual (Contract)

Company Info

DigitalGlobe, Inc. is a profitable, fast growing technology company. We operate a highly sophisticated commercial earth-imaging satellite constellation enabling us to amass the largest database of high resolution imagery in the world. Our systems manage massive scale storage and processing of this data in order to provide imagery solutions to companies like Google, Microsoft, Garmin, Tele Atlas & Bushnell. In addition, our information quality meets the rigorous Defense & Intelligence standards for the US government and governments around the world.

Position Description

The Test Engineer is responsible for all aspects of quality assurance relative to a complex, distributed software environment. This position works collaboratively to ensure our systems quality. This position is responsible for generating and executing test cases for the verification of requirements and use cases for an internal software system. Regression level testing to ensure that the software release works as expected and does not degrade from the current release. Work closely with other Test Engineers, Software Engineers, and System Engineers within the company to gain a solid understanding of the supported internal system, processes, products, and tools to ensure the delivery of a quality release to our production systems.

Responsibilities

- Execute and verify System Level Testing of new software releases and changes made to existing software.
- Execute and verify Regression Level Testing of existing software.
- Isolate software problems, writing clear and detailed defect reports.
- Review and provide input on the accuracy, clarity, and testability of requirement documentation.
- Create and maintain test plans, cases, and results.

Technical Requirements

- SAP test experience.
- Unix experience and vi editor.
- SQL / Oracle experience.
- Experience in Geospatial or Remote Sensing experience a plus.
- 2-5+ years of experience in software testing including Black and Grey box.
- Solid understanding of QA Methodologies.
- Well versed in Software Development lifecycle.

Non-technical Requirements

- Excellent written and verbal communication skills.
- Strong analytical skills.
- Works with limited supervision.
- Ability to obtain/maintain a U.S. (Secret) security clearance
- Requires a BS in Computer Science or related field such as software engineering, aerospace, remote sensing sciences or other engineering discipline or equivalent experience.

Compensation

Our term-of-project compensation package includes a competitive rate. After 6 months benefits include choice of medical, dental, and vision plans; a 401K plan with a competitive company match; 12 paid holidays, and 4 weeks paid time off. DigitalGlobe is an Equal Opportunity Employer.

Test Automation Engineer (Contract)

Company Info

DigitalGlobe, Inc. is a profitable, fast growing technology company. We operate a highly sophisticated commercial earth-imaging satellite constellation enabling us to amass the largest database of high resolution imagery in the world. Our systems manage massive scale storage and processing of this data in order to provide imagery solutions to companies like Google, Microsoft, Garmin, Tele Atlas & Bushnell. In addition, our information quality meets the rigorous Defense & Intelligence standards for the US government and governments around the world.

Position Description

The Term-of-Project/Contract Test Automation Engineer is responsible for all aspects of quality assurance relative to a complex, distributed software environment. This position works collaboratively to establish standards and develop automation for the Enterprise Quality Organization.

Responsibilities

- Create or enhance test harnesses or frameworks, as necessary.
- Develop automated tests utilizing QTP or create custom code.
- Document standards and guidelines as necessary for tools, process, and automation.
- Provide accurate test estimates and durations and coordinate with the project schedule.
- Coordinate work activities with other team members.
- Apply best practices and professional principles and techniques to evaluate systems during development.
- Implement test methodologies to ensure requirements compliance and operational readiness for the DigitalGlobe system.

Qualifications / Work Experience

- Minimum 7 years software testing, including test analysis, plan development and execution.
- Minimum 5 years development and implementation of advanced testing techniques, including automated test execution and load/performance testing.
- Must have 3+ years of experience with HP Quality Center and QTP.
- Must be able to qualify for a security clearance.

Technical Knowledge/Skills

- Senior level experience with test automation.
- Programming/scripting skills, such as, Ruby, Perl, C++, etc. are a plus.
- Minimum 4 years UNIX or LINUX experience.
- Strong understanding of quality engineering and test principles and practices.
- Experience with GIS and Image processing standards is a plus.
- Experience with LoadRunner or load and performance testing is a plus.
- Experience with security testing or auditing tool is a plus.

Required non-technical skills

- Excellent written and verbal communication skills.
- Strong analytical skills.
- Knowledge on source code and change management control.
- Works with limited supervision.

Education

Requires a BS in Computer Science or related field such as software engineering, aerospace, remote sensing sciences or other engineering discipline.

Compensation

Our term-of-project compensation package includes a competitive rate. After 6 months benefits include choice of medical, dental, and vision plans; a 401K plan with a competitive company match; 12 paid holidays, and 4 weeks paid time off. DigitalGlobe is an Equal Opportunity Employer.

Test Engineering Manager

Company Info

DigitalGlobe, Inc. is a profitable, fast growing technology company. We operate a highly sophisticated commercial earth-imaging satellite constellation enabling us to amass the largest database of high resolution imagery in the world. Our systems manage massive scale storage and processing of this data in order to provide imagery solutions to companies like Google, Microsoft, Garmin, Tele Atlas & Bushnell. In addition, our information quality meets the rigorous Defense & Intelligence standards for the US government and governments around the world.

Summary

Due to our continued growth and success we are currently seeking a Test Engineering Manager with large Program experience. The person should have experience testing large, distributed systems and software applications. The candidate must be able to learn a complex system, from customer front end through production. The candidate will be a member of the Technology Services team which is responsible for analyzing and integrating changes into the functional layers of the DigitalGlobe Ground System including: core image processing systems, interfaces with business systems, and web services applications. A successful candidate for this position would be:

- Responsible for the day-to-day personal management of 10-15 full-time test resources.
- Responsible for the management of contractor resources as needed to include: time sheet and invoice approval and tracking.
- Strong Software Quality Assurance knowledge and experience.
- Manage the System Test Plans that cover all phases of the system test lifecycle including test strategy, test preparation, test data management, test planning and test execution.
- Formulate testing strategies that will ensure the quality, reliability and completeness of the business services being offered.
- Define, implement and manage an effective system test process to meet quality goals that are ISO and SOX compliant.
- Ensure automated testing tools are intelligently applied in support of functional and performance testing activities.
- Assist with managing and growing; team members, testing tools, quality assurance and testing process to incorporate best practices.
- Proven ability to work with diverse teams and take ownership of deliverables.
- Large program experience.
- Previous experience in a complex product industry is a plus.
- Experience in imagery, geospatial domains or digital products are a plus.

Responsibilities

- Responsibilities include: conducting reviews, forming goals, summarizing team status, and managing resource availability for new project requests.
- Coordinate the testing across various organizations to support rapid deployment of applications and services.
- Ensure thorough test coverage to meet requirements.
- Manage test environments.

Requirements

- Must have leadership experience with a team of Test and/or Quality Engineers.

- Strong written and oral skills.
- Hands on person – must be able to be immersed in the projects and resolved day-to-day issues.
- Possess practical knowledge of the design, development, and testing of complex systems with large throughput volumes.
- 8+ year's software QA experience, 5+ years management experience.
- Experience with Waterfall and Agile development methodologies.
- Experience with managing large system integration testing.
- Experience managing testing of API's.
- Knowledge/experience with test automation tools.
- Ability to accept and aggressively manage change (requirements, schedule, product issues, etc.)
- Manage client expectations to insure realistic deliverables and then exceed those expectations.
- Ability to pursue and resolve test team issues independently.
- Experience with SAP, a plus.
- Strong teamwork skills.

Minimum Level of Education

Masters or equivalent experience in Aerospace, Computer Science or other technical degree

Compensation

Our compensation package includes: competitive base salary; annual incentive plan with payouts based on results; choice of medical plan; dental, life and disability insurance; employee assistance program; flexible spending accounts; a 401K plan with a competitive company match; tuition reimbursement; 12 paid holidays, and 4 weeks paid time off. DigitalGlobe is an Equal Opportunity Employer



Please join us to Learn, Discover, Share Results, and Be Inspired!
Kim Griffiths, Executive Director
303-893-2739

ABOUT COLORADO / ROCKY MOUNTAIN PERFORMANCE EXCELLENCE (RMPEX)

Colorado/Rocky Mountain Performance Excellence's vision is to create a culture of excellence that is pervasive throughout Colorado, Montana, and Wyoming. It serves the people of the region by using a proven program of innovation and continuous improvement that generates outstanding results. CPEX/RMPEX fulfills this promise through training and education, assessment and feedback, recognition and awards, networking, and the sharing of best practices. Visit CPEX/RMPEX at www.rmpe.org.

ABOUT THE BALDRIGE PERFORMANCE EXCELLENCE PROGRAM

The award was established during the Reagan administration in 1988 and continued by all other administrations since then. The criteria used to determine award recipients at the various levels are based on the Baldrige criteria, which any organization can use to improve overall performance. Seven categories make up the award criteria: Leadership; Strategic Planning; Customer and Market Focus; Measurement, Analysis, and Knowledge Management; Workforce Focus; Operations Management; and Organizational Results.

RMPEX Now on Facebook and Linked In

Join us now for updates on Performance Excellence activities happening in your area and the Rocky Mountain Region. RMPEX is your "link" to continuous improvement in your organization now!

[Facebook](#)

[Linked In](#)