



The Basics and Benefits of ASQ Certification

ASQ Section 1518 – New Orleans

February 12, 2008



ASQ Certification

<http://www.asq.org/training-and-certification.html>



What is ASQ Certification?



What is ASQ Certification?

A formal recognition by ASQ that an individual has demonstrated a proficiency within, and comprehension of, a specified Body of Knowledge at a point in time



What is ASQ Certification?

- **Internationally accepted and recognized**
- **Recognition of excellence for 40 years**
- **Endorsed by over 125 corporations**



What is ASQ Certification?

- **Marketplace requirement**
- **Peer recognition**
- **Personal validation**



What are the Benefits of Certification to Members?



Key Benefits of Certification to Members

- **Gain new skills and upgrade proficiency**
- **Source of professional and personal pride**
- **Investment in career**



Key Benefits of Certification to Members

- **Mark of technical excellence**
- **Being current with quality practices and principles**
- **The knowledge to handle workplace quality issues**



Key Benefits of Certification to Members

- **Increased Salary!**
 - **Quality Engineer**
 - **no certification \$62,494**
 - **ASQ certified \$67,304**
 - **\$4810 difference or 7.7% greater salary!**

Source: ASQ 2005 salary survey



Key Benefits of Certification to Members

**Certification has been rated
as one of the top-three
valued benefits of ASQ
membership since 1991**



What are the Benefits of ASQ Certification to Organizations?



Key Benefits of Certification to Organizations

- **Investment in the company's future**
- **Perfect and share new techniques in the workplace**
- **Discriminator in the marketplace**



History of ASQ Certification?



History of Certification

- ◆ **Certified Quality Engineer** 1968
- ◆ **Certified Quality Technician** 1970
- ◆ **Certified Reliability Engineer** 1972
- ◆ **Certified Mechanical Inspector** 1984
- ◆ **Certified Quality Auditor** 1987
- ◆ **Certified Quality Manager** 1995



History of Certification

- ◆ **Certified Software Quality Engineer** 1996
- ◆ **CQA-Hazard Analysis and Critical Control Point (HACCP)** 1999
- ◆ **Certified Quality Improvement Associate** 2000
- ◆ **Six Sigma Black Belt** 2001
- ◆ **CQA-Biomedical** 2002



History of Certification

- ◆ **Certified Calibration Technician** **2003**
- ◆ **Certified HACCP Auditor** **2004**
 - ◆ Replaces CQA-HACCP
- ◆ **Certified Quality Process Analyst** **2005**
- ◆ **Certified Biomedical Auditor** **2005**
 - ◆ Replaces CQA-Biomedical
- ◆ **Certified Manager of Quality/
Organizational Management** **2006**
 - ◆ Replaces CQM
- ◆ **Certified Six Sigma Green Belt** **2006**



Certification Programs

- **Quality Engineer (CQE)**
 - **Develops and operates quality control and quality assurance systems**
 - **Uses metrology and statistical methods to diagnose and correct improper quality control practices**



Certification Programs

- Reliability Engineer (CRE)
 - Expert in the principles of performance evaluation for product/systems safety, reliability and maintainability



Certification Programs

- **Quality Auditor (CQA)**
 - **Understands standards and principles of auditing, questions, evaluations, reports for quality system adequacy**
 - **Determines if a quality system adheres to the stated criteria**



Certification Programs

- HACCP Auditor (CHA)
 - **Quality Auditor with a knowledge of the Hazard and Critical Control Point (HACCP) standards.**



Certification Programs

- Quality Technician (CQT)
 - Technician capable of quality problem analysis, inspection sampling plans, SPC applications



Certification Programs

- **Quality Inspector (CQI)**
 - **Capable of properly evaluating and documenting hardware, performs: lab and calibration procedures, inspections, process performance data collection and prepares reports**



Certification Programs

- **Software Quality Engineer (CSQE)**
 - **Quality Engineer versed in the development of software processes, measurement, verification and validation, analytical methods, and quality management**



Certification Programs

- **Manager of Quality/Organizational Excellence (CMQ/OE)**
 - **A quality professional that champions process improvement initiatives, supports strategic planning and deployment initiatives**



Certification Programs

- **Quality Improvement Associate (CQIA)**
 - **Demonstrates a knowledge of basic quality tools and their uses and is involved in quality improvement projects**



Certification Programs

- **Six Sigma Black Belt (CSSBB)**
 - **Quality improvement expert that is competent in the use of Six Sigma methodologies**



Certification Programs

- **Biomedical Auditor (CBA)**
 - **Quality Auditor that understands the principles of standards, regulations, directives and guidance for auditing a biomedical system**



Certification Programs

- **Calibration Technician (CCT)**
 - **Tests, calibrates, maintains, and repairs electrical, mechanical, electromechanical, analytical, and electronic measuring, recording, and indicating instruments and equipment for conformance to established standards**



Certification Programs

- **Quality Process Analyst (CQPA)**
 - **A paraprofessional who analyzes and solves quality problems and is involved in quality improvement projects**



Certification Programs

- **Six Sigma Green Belt (CSSGB)**
 - **A paraprofessional who works with process development, and documentation, collects and summarizes data, creates and interprets multi-vari studies**



Number of Certifications Issued

As of June 2007

CQE	52,066
CQA	37,166
CQT	21,057
CQI	12,342
CMQ/OE	10,888
CRE	6,193



Number of Certifications Issued

As of June 2007

CSQE	4,326
CQIA	5,516
CHA	446
CSSBB	6,303
CBA	356
CCT	899
CQPA	299
CSSGB	1,087



ASQ Certification: Exam Dates



Exam Dates for 2008

Exam Dates Deadlines

Application

March 1st

June 7th

April 4th

October 18th

August 15th

December 6th

October 3rd



Exam Dates for 2008

March and October Exams

Biomedical Auditor

Calibration Tech

HACCP Auditor

Mgr Quality / OE

Quality Inspector

Quality Tech

Reliability Engineer

Six Sigma BB



Exam Dates for 2008

June and December Exams

Quality Auditor

Quality Engineer

Improvement Assoc.

Process Analyst

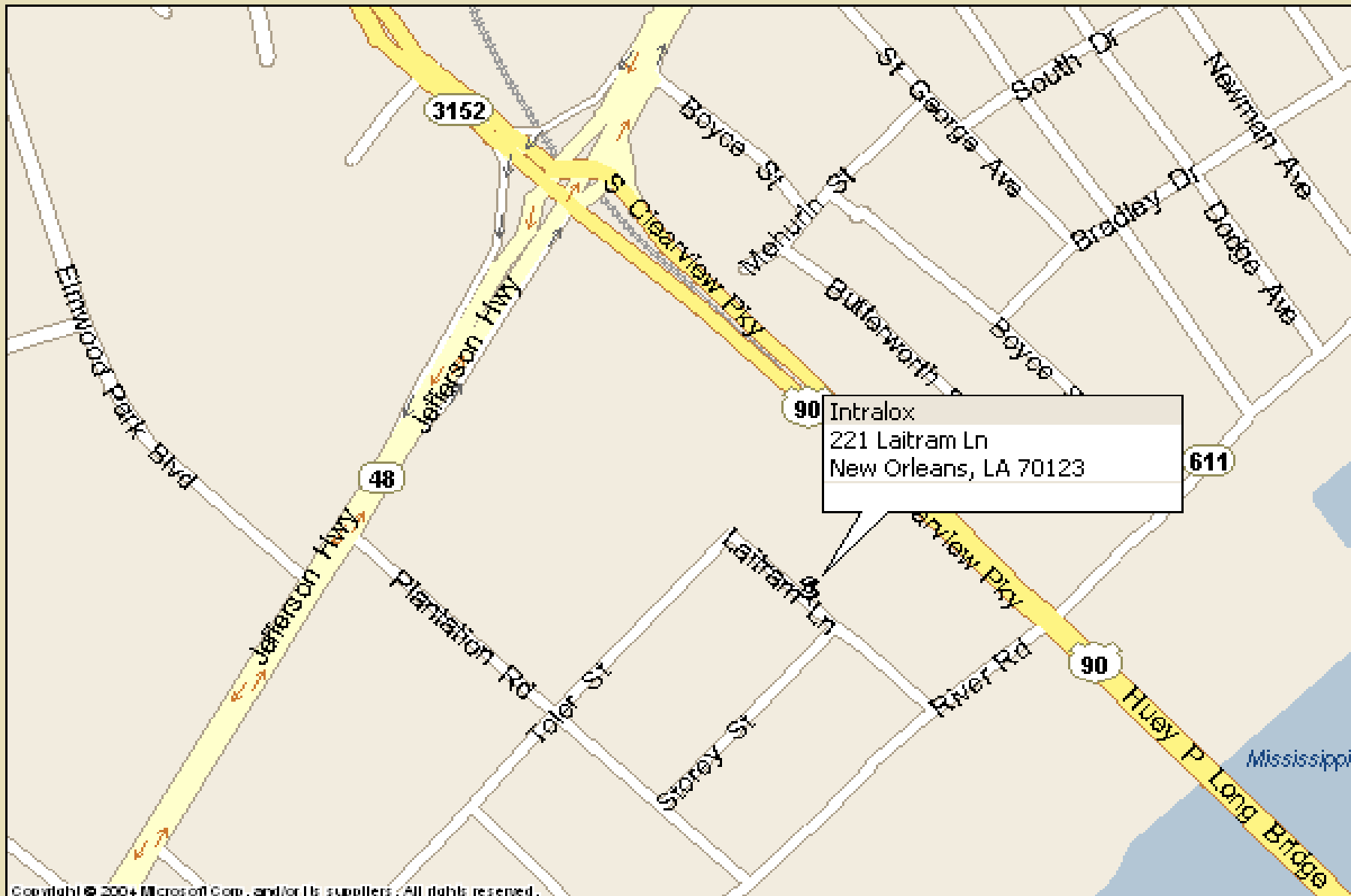
Six Sigma GB

Software QE



ASQ Certification: Exam Location

Exam Location Section 1518





Recertification



Recertification

Recertification verifies that you have maintained the same knowledge level you demonstrated when you originally passed the exam



Who Has to Recertify?

CMQ/OE

CQE

CQA

CRE

CSQE

CSSBB

CCT

CHA

CBA



Certification Requirements

- 18 credits over three years
- Credits earned through:
 - Employment
 - Professional Development
 - Education
 - Society Involvement



**You only need 18 RU credits -
over 3 years!!**

- **Employment**
- **Professional Development**
 - Seminars
 - Workshops
 - Conferences



Only 18 RU credits needed over 3 year period

- **Instructor**

- company internal instructing
- college, university instructing
- ASQ exam refresher course
instructing

*any instructing must be above and beyond
your regular job duties and requirements to
qualify



**You only need 18 RU credits -
over 3 years!!**

- **Education**

- Company-sponsored in-house courses (computer skills, team building, etc.)
- University/college courses
- ASQ-sponsored courses



**You only need 18 RU credits-
over 3 years!!**

- **Society Involvement**
 - Exam Proctor
 - Meeting/workshop attendance
 - Committee member
 - Officer (national, division, section)



Just see how simple!!

Full-time employment	10.8RU
AQC attendance (once)	3.0RU
Company-sponsored training (e.g., project management, Diversity in the Workplace)	4.0RU
Section Meetings (2 mtgs./yr.)	<u>2.7RU</u>
	20.5



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