Software Testing Certification
Certified Tester—Foundation Level Training

ISTQB Certified Tester accredited training provider

More than 80,000 Certified Testers Worldwide. Why Not You?

SUMMER/FALL 2008

www.sqetraining.com/certification

Las Vegas, NV	June 8–10, 2008
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- **Basics of testing –** Goals and limits, risk analysis, prioritizing, completion criteria

- **Testing in software development –** Unit, integration, system, acceptance, and regression testing

- **Test management –** Strategies and planning, roles and responsibilities, defect tracking, and test deliverables

PMI **R.E.P.** Project Management Institute

SQE TRAINING
www.sqetraining.com

On-site Training Available—*For additional savings, bring this course to your organization for team training.*

Software Testing Certification
Certified Tester—Foundation Level Training

Are you looking for an internationally recognized certification in software testing? Delivered by top experts in the testing industry, Software Testing Certification—Foundation Level is an accredited training course, designed to help prepare you for the ISTQB™ Certified Tester—Foundation Level exam. This certification program, accredited by the ISTQB™ through its network of National Boards, is the only internationally accepted certification for software testing. The ISTQB™, a non-proprietary and non-profit organization, has granted more than 80,000 certifications in more than thirty-two countries around the world.

Through the Software Testing Certification—Foundation Level training course, learn the basics needed to become a software test professional and understand how testing fits into software development. Find out what it takes to be a successful software test engineer and how testing can add significant value to software development. Study all of the basic aspects of software testing, including a comprehensive overview of tasks, methods, and techniques for effectively testing software. In addition, learn the fundamental steps in the testing process: planning, analysis, design, implementation, evaluation, and reporting.

Who Should Attend?
The Software Testing Certification—Foundation Level training course is most appropriate for individuals who recently have entered the testing field and for those currently seeking certification in software testing.

You Will Learn
The Software Testing Certification—Foundation Level course covers the topics needed to prepare you for the ISTQB™ Certified Tester—Foundation Level exam:

- Fundamentals of software testing – Concepts and context, risk analysis, goals, process, and psychology
- Lifecycle testing – How testing relates to development including models, verification and validation, and types of tests
- Static testing – Reviews, inspections, and static tools
- Test design techniques – Black-box test methods, white-box techniques, error guessing, and exploratory testing
- Test management – Team organization, key roles and responsibilities, test strategy and planning, configuration management, defect classification and management
- Testing tools – Tool selection, benefits, risks, and classifications

Why is certification important for you?

Become a certified software tester and ...

- **Increase your value in both the industry and your organization**
- **Stand out from your peers with your professional certification**
- **Add value to your career path**
- **Get your test organization up to speed**

Easy to Register

Online: www.sqetraining.com/certification
Phone: 888.268.8770 or 904.278.0524
Email: sqeinfo@sqe.com

WHO'S BEHIND THE TRAINING?

SQE TRAINING   BETTER SOFTWARE MAGAZINE   StickyMinds.com

SQE Training provides the widest selection of specialized software training courses available. Developed and taught by top industry consultants, all courses are based on the latest industry practices and updated regularly to reflect current technologies, trends, and issues. Find the training you need for testing, development, management, requirements, and security. **www.sqetraining.com**

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Fundamentals of Software Testing

Software context, why software fails
Why testing is required
Principles of testing
Debugging vs. testing
Scope and focus of testing
Understanding risk
Product (software) risks and project risks
Risk analysis, prioritizing using risk analysis
Goals of testing
Basic testing process
Test planning and control
Test analysis and design
Test implementation and execution
Evaluating exit criteria and reporting
Test closure activities
Test psychology—viewpoints on testing

Testing Throughout Software Development

Testing and development
Early testing
Models and testing
The "V" model
Iterative models
Verification and validation
Testing levels/stages within software
    development
Component (unit) testing
Integration testing
System testing
Acceptance testing
Maintenance testing
Understanding regression testing
Understanding test types
Functional testing
Non-functional testing
Structural testing
Confirmation and regression testing

Static Techniques

What is static testing?
Reviews, inspections, walkthroughs, etc.
General review process
Common types of reviews
Roles and responsibilities in reviews
Success factors for reviews
Limits of reviews
Understanding static analysis tools
Tool benefits

Test Design Techniques

Test design process
Overview of test design and the design approach
Documentation decision
Types and characteristics of documentation
Types of test design techniques
Black-box (functional) testing
White-box (structural) testing
Experienced-based techniques
Equivalence partitioning
Boundary analysis
Decision tables
State transition diagrams
Use cases and test design
Understanding control flow
Understanding paths and complexity
Coverage and what it means
Error guessing
Exploratory testing
Selecting the appropriate test technique

Test Management

Team organization
Roles and responsibilities
Understanding the test manager
Understanding the tester
Test planning
Planning and strategic thinking
Controlling the testing
Key strategic issues for test planning
Selecting a test approach
Understanding estimation
Test monitoring and reporting
Ending the testing, exit criteria
Configuration management and testing
Library controls
Change control
Defect/incident classification and management

Tool Support for Testing

Tool introduction
Tool selection process
Tool benefits
Tool risks and concerns
Tool classifications
Management tools
Static testing tools
Test specification tools
Test execution and logging tools
Performance and monitoring tools
Application area tools
Non-test specific tools

INSTRUCTOR

Dale Perry has more than thirty years of experience in information technology. He has been a programmer/analyst, database administrator, project manager, development manager, tester, and test manager. Dale's project experience includes large systems development and conversions, distributed systems, on-line applications, both client/server and Web based. He has also been a professional instructor for more than fifteen years and has presented at numerous industry conferences on development and testing. With Software Quality Engineering for eleven years, Dale has specialized in training and consulting on testing, inspections and reviews, and other testing and quality related topics.

Additional instructors for this course include Rick Craig, Dawn Haynes, Claire Lohr, Jamie Mitchell, Gary Mogyorodi, Eric Patel, Robert Sabourin, and Ed Weller.

At the conclusion of the course, the ISTQB™ Certified Tester—Foundation Level exam will be given. The exam is held at 3:30 p.m. on the third day of the course.

The ISTQB™ Certified Tester—Foundation Level certification exam is independently administered by the American Software Testing Qualifications Board, Inc. (ASTQB). To learn more about this certification program or to download the syllabus, visit **www.astqb.org**

On-site Training

Looking for ways to save training and travel dollars? Take advantage of the cost-effective convenience of on-site training to get your team the training they need without requiring them to sacrifice project schedules or incur travel time and expense. Our on-site training offers many benefits:

- Save time and money—Bring team training to your location.

- Manageable workloads—Schedule training around your projects, not the other way around.

- Customizable content—Offer your team a training curriculum that adheres to your corporate goals, technology environment, and business needs.

- Consulting services—Learn from instructors who are world-class consultants with exceptional qualifications and a broad range of real-world experience. Augment your training programs with SQE Training's consulting services.

- Small groups—Benefit from focused training that offers your team members individual attention with plenty of time for questions. Class sizes can range from 6–25 people.

- Employee development—Develop the talent already on your team, increase employee satisfaction—and save company dollars.

If you have six or more people to train, consider the advantages of on-site instruction.

For additional information, call 904.278.0524 or email onsitetraining@sqe.com.

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Training Course Fee Includes*
• Tuition
• Course Notebook
• Continental Breakfasts and Refreshment Breaks
• Lunches
• Certificate of Completion

Your registration fee includes $39 for a one-year digital subscription to Better Software magazine. If you are a current subscriber, your subscription will be extended an additional ten issues.

Training Course Schedule
7:30 a.m. - 8:30 a.m.   Registration (on first day) and Continental Breakfast
8:30 a.m. - 12:00 p.m.   Course
12:00 p.m. - 1:00 p.m.   Lunch
1:00 p.m. - 5:00 p.m.   Course
3:30 p.m. - 5:00 p.m.   Exam (on third day of course)

Satisfaction Guarantee: SQE Training is proud to offer a 100% satisfaction guarantee. It's part of our commitment to provide you with the highest quality education and training products. If we are unable to satisfy you, we will gladly refund your registration fee in full.

Public Training Policy: SQE Training reserves the right to make changes in course schedules, dates, locations, and accommodations and will make every effort to notify students within a reasonable period of time. However, SQE Training is not responsible for personal travel, accommodations, or other incidental expenses in connection with changes to a course. For questions or concerns, please call the Client Support Group at 888.268.8770 or 904.278.0524.

Cancellation Policy: Attendee substitutions are permitted. Registrants who fail to attend are subject to the full fee if they have not obtained a cancellation code from SQE Training at least six business days prior to the event start date. To obtain a cancellation code, call 904.278.0524 or 888.268.8770.

Register Early: The number of students per course is limited, and many courses fill to capacity. Register early to ensure your space in a given course.

Forms of Payment Accepted:
• Visa, MasterCard, or American Express
• Check or company purchase order is accepted. However, payment must be received before course registration is confirmed.

Confirmation: After payment, you will receive a confirmation notice containing course details (e.g., hotel, accommodations). Please bring the letter to the course for admittance.

SQE TRAINING
330 Corporate Way
Suite 300
Orange Park, FL 32073

IF ADDRESSEE IS NO LONGER EMPLOYED:
Re-route to Director of Software Development