



Test Training @ CTG

Long-Life Learning in Structured Testing

CTG is a leader in IT, with many years of practical testing experience.

We can teach you to quickly learn and understand structured testing and implement it effectively.

Overview

Software testing is gradually becoming more mature, and so are the test professionals. Needs for test trainings and career development are evolving at the same pace. International certifications in testing become the key to get recognition on the developing labour market. Training is a must for every test professional who considers software testing as an exciting profession with enormous career opportunities.

CTG, as market leader in Software Testing in the BELUX area, decided to share more of its in-house knowledge and experience with its customers. We are therefore happy to announce that we complement our current portfolio of test training solutions with advanced test trainings, as the only test training provider in the Belux area.

Without the right practical and specific trainings, an organization will not be able to realise the full potential of any internal testing program. CTG offers you a single source for ISTQB/ISEB certification courses (in cooperation with Improve), HP tool trainings, test management trainings, test consultant trainings and specific testing related trainings.

Our Test Training Portfolio

	IT Manager Project Manager Quality Manager Developer Business Representative	Test Engineer	Test Tool Specialist	Test Manager Test Coach Test Consultant
Intro		Structured Testing Basics & Methodology	HP QC Suite HP Quality Center Module1 Introduction	Structured Testing Process People & Technology
Core	Test Awareness	Test Design Techniques Introduction to HP Quality Center	HP Quality Center Module2 Project Planning & Customization HP Loadrunner Suite HP LoadRunner Module1 Fundamentals HP LoadRunner Module2 Scripting for the Web HP Quick Test Professional Suite HP QTP Module1 Using Quick Test Professional	Test Process Assessment Suite TPA Module1 TPA & Improvement Models TPA Module2 TPA according to TPI® TPA Module3 TPA according to TMMI® Test Management Suite Test Management Module1 Test Management Module2 Test Strategy Test Budgeting & Planning Test Metrics & Release Management Test Management Module3 Test Management Module4 Test Organizations Soft Skills & Politics
Advanced		SAP Testing Web Testing Agile Testing	HP QTP Module2 Advanced Quick Test Professional	
Certification		ISTQB Foundation		ISTQB Advanced

TEST TRAININGS INTENDED FOR TEST ENGINEERS

- **Structured Testing: Basics & Methodology**

Introduction to structured testing. It examines testing terminology and presents basic testing concepts such as the V-model. The course studies the structured testing process according to STBox™, CTG's Software Testing Methodology, using exercises and examples.

Course Duration: 3 days

- **Test Design Techniques**

Describes the most commonly used techniques for deriving test cases from system documentation. Examples and exercises are used to teach each technique, which is closely examined for its applicability.

You will gain a clear understanding of test design techniques and learn how to use them to write test cases.

Course Duration: 2 days

- **Introduction to HP Quality Center**

The process based functionality of Quality Center is examined in this hands-on course. Students will learn how to manage quality information throughout the development cycle, construct and organize requirements, create and execute test sets, monitor defects, and use graphs and reports to track the success of a project.

Course Duration: 1 day

- **SAP Testing**

In this course test professionals, involved in SAP testing projects, are provided with the necessary information on how SAP implementation and upgrade projects are managed and how structured testing will contribute to a successful completion of such projects. Best practices for identifying and documenting test scenarios and test cases will be provided. Test tools for SAP testing available on the market will be discussed and the pros and cons of automated testing will be highlighted.

Course Duration: 1 day

- **Agile Testing**

In this course test engineers gain a clear understanding of the agile approach to testing. Participants will be able to plan and estimate in an agile way and learn about agile methods. By attending this course the participant will also be informed about the use of tools when testing agile.

Course Duration: 1 day

- **ISTQB/ISEB Foundation**

The International Systems Examinations Board (ISEB) is a recognised organization that organizes certifications for IT professionals (incl. test professionals). Since 2002, the International Software Testing Qualification Board (ISTQB) is supporting a single, universally accepted international qualification scheme intended for software and system testing professionals.

This course is **a must** for each test professional and is the best preparation for the certification exam: the pass rate after our course is 94%!

The course is accredited by ISTQB and ISEB, and provided in collaboration with Improve.

Course Duration: 3 days (including exam (optional)).



TEST TRAINING INTENDED FOR IT MANAGERS, QUALITY MANAGERS, PROJECT MANAGERS, BUSINESS REPRESENTATIVES, DEVELOPERS ...

- **Test Awareness**

Structured Testing does not stand on its own. For an optimal process, it is heavily dependent on other processes within the Software Development Life Cycle. In the ideal world, all stakeholders coming in contact with the testing process should be familiar with the basic concepts of structured testing, as e.g. the V-model and the test life cycle. This course is ideal for IT managers, Quality managers, Project managers, Business representatives, Developers, ... to get a basic insight into structured testing. Without support and understanding of these stakeholders, it becomes difficult or impossible to reach higher test maturity in your organization.

Course Duration: 1 day

TEST TRAININGS INTENDED FOR TEST TOOL SPECIALISTS

- **Introduction to HP Quality Center**

The process based functionality of Quality Center is examined in this hands-on course. Students will learn how to manage quality information throughout the development cycle, construct and organize requirements, create and execute test sets, monitor defects, and use graphs and reports to track the success of a project.

Course Duration: 1 day

- **Quality Center: Project Planning and Customisations**

This hands-on course focuses on creating, customizing and administering Quality Center projects. It is an important course for anyone who will be involved in creating projects, modifying existing fields, creating user defined fields, creating users, setting user permissions, and defining scripted workflow. During the first day a global overview of all customisation possibilities is given, including small exercises. The second day is devoted to a large exercise involving all common customisation features. Depending on the technical level of the audience this may also include an elaborate exercise in workflow scripting.

Course Duration: 2 days

- **Using QuickTest Professional**

This core course provides a comprehensive understanding of using Quick Test Professional as an automated functional testing tool for different environments. You will use Quick Test Professional's graphic point and click interface to record and play back tests, add synchronisation points and verification steps, as well as create multiple action tests. You will build upon fundamental topics by using debug tools to troubleshoot tests and use additional checkpoints and product options to broaden the scope of business processes that can be automated. Once tests are created, you will discover and correct common record and play back problems. All topics are supported by hands-on exercises that are based on real-life examples.

Course Duration: 2 days

- **Advanced QuickTest Professional**

Take your functional test automation skills to the next level by learning to use the Expert View in Quick Test Professional. Through discussions and hands-on exercises, you will learn to create steps that work with dynamic objects and data, use VBScript conditional and looping statements to control the flow of your tests and components, and use DataTable methods and database connection objects to retrieve external data.

Course Duration: 2 days

- **LoadRunner Fundamentals & Scripting for the Web**

This suite of courses focuses on using LoadRunner to load test Web applications. You will create test scenarios and run them using the LoadRunner Controller. You will use the LoadRunner Analysis component to interpret load test results. The information gathered during planning is used to create and enhance scripts specific to Web applications using the Virtual User Generator (VuGen) component of LoadRunner.

Module 1: Fundamentals

In the fundamentals part, next topics are treated:

- Discuss the value of load testing
- Plan for effective load testing
- Establish load test goals
- Run load test scenarios
- Load and overload when executing scenarios
- Analyze and interpret load test result

Course Duration: 2 days

Module 2: VuGen scripting for web

In this part, next topics are treated:

- Create Web Virtual users using VuGen
- Read VuGen Web code
- Measure specific business processes
- Verify functionality under load
- Parameterise scripts to handle user input data
- Customise scripts by adding VuGen functions
- Correlate script to process server-returned data

Course Duration: 2 days

TEST TRAININGS INTENDED FOR TEST CONSULTANTS, TEST COACHES, TEST MANAGERS

- **Structured Testing: Process, People and Technology**

This interactive course is intended for experienced test engineers to refresh their methodological knowledge about structured testing. STBox™, CTG's Software Testing Methodology, is used as common thread to discuss Test Process, People and Technology. The focus is on discussion and exchange of experiences. It is an important course for anyone who has practical experience in test management, test consultancy or test coaching, but who needs to refresh basic test concepts to be able to take advanced test consultancy or test management courses.

Course Duration: 1 day

- **Test Process Assessment**

Very often, software testing turns out to be an uncontrollable process. It is not carried out in a structured way, takes too much time, turns out to involve higher costs than originally planned, and fails to provide insight into the quality of the system under test and the associated risks. The first step for improvement is to know where you are and where you are going too. In a test process assessment, this is exactly what is investigated as basis for Test process Improvement. These interactive trainings provide you with the perfect basis, not only for conducting test process assessments at your or your client site, but also for implementing test improvement tracks.

Module 1: Test Process Assessment & Improvement Models

Course Duration: 2 days

Module 2: Test Process Assessment & Improvement Model according to TPI®

Course Duration: 1 day

Module 3: Test Process Assessment & Improvement Model according to TMMi®

Course Duration: 1 day

- **Test Management**

This course provides professionals involved in test management with the basic insights, tips and tricks to manage testing activities within an IT project effectively.

If you don't know where you are, a map won't help. If you don't know where you are going to, a map won't help either. The trick to test management is, knowing the components of an effective test strategy, including feedback mechanism, and recognising the critical issues as they surface.

Module 1: Test Strategy, Test Budgeting and Test Planning

Course Duration: 3 days

Module 2: Test Metrics and Release Management

Course Duration: 1 day

Module 3: Test Organizations

Course Duration: 0,5 day

Module 4: Soft Skills & Politics

Course Duration: 1 day

- **ISTQB Advanced (provided by Improve Quality Services)**

The ISTQB Advanced Certificate in Software Testing (previously ISEB practitioner) is internationally recognised as the essential measurement for those wishing to advance their career within the software testing industry.



The International Systems Examinations Board (ISEB) is a recognised organization that organizes certifications for IT professionals (incl. test professionals). Since 2002, the International Software Testing Qualification Board (ISTQB) is supporting a single, universally accepted international qualification scheme intended for software and system testing professionals.

The advanced level consists of three modules: Test Manager, Test Analyst and Technical Tester. If all three modules have been passed, one is “fully advanced” and is formally allowed to use the “Certified Tester Advanced Level” (CTAL).

On completion of this course attendees will have an advanced knowledge of testing, testing techniques and how testing fits into the system development life cycle. The course is highly practical; it has been designed to emulate more precisely the approach taken in practice by testing professionals and provides value to participants in both testing education and in gaining the certificate. Attendees will also be fully prepared, and have the best possible chance to score highly, when sitting the ISTQB Advanced Certificate in Software Testing examination.

The course is provided by our partner Improve Quality Services.

Module 1: Test Manager

Course Duration: 6 days (including exam training and exam).

Module 2: Test Analyst

Course Duration: 6 days (including exam training and exam).

Module 3: Technical Tester (under construction)

Course Duration: To be decided.

CTG ensures the consistent delivery of the highest-quality services through proprietary best practices formally defined in our global quality system. CTG is among the first in our field to have designed and implemented a comprehensive Total Quality Management Program.

This program guides our employees worldwide in qualifying opportunities, delivering projects on time, hiring the right professionals, and ensuring that client requirements are fully satisfied.

Course Information¹

Test Trainings intended for test consultants, test coaches, test managers

- **Where & When**
 - Diegem, CTG Training Centre (address below).
 - Some of the trainings are given offsite with overnight stay.
 - Ad hoc courses organized at client sites.
 - All classroom courses begin promptly at 9 am and are scheduled until 5 pm.
- **Pricing**
 - VAT excluded
 - Course material, lunch and beverages included
 - Optional hotel costs excluded:
 - € 750 per person per day (more than 5 people, 15% discount).
 - € 4500 per day for 7 to 10 persons.

All other trainings

- **Where & When**
 - Diegem, CTG Training Centre (address below).
 - The course calendar for 2009 is available on our website.
 - Ad hoc courses organized at client sites.
 - All classroom courses begin promptly at 9 am and are scheduled until 5 pm.
- **Pricing**
 - VAT excluded
 - Course material, lunch and beverages included:
 - € 500 per person per day (more than 5 people, 15% discount).
 - € 3000 per day for 7 to 10 persons.

¹ Not valid for ISTQB Advanced training: Pricing, location and conditions available upon request.

Our detailed flyers describe additional information about content, audience and duration of these courses.

Contact us

In Europe :

CTG Belgium NV/SA
Woluwelaan 140A
1831 Diegem, Belgium
Phone: +32 (0)2 718 91 24
Fax: + 32 (0)2 725 09 20
www.ctg.be ; anja.ceuls@ctg.com

In the United States :

CTG Inc.
800 Delaware Avenue
Buffalo, NY, USA
Phone : 716/882-8000
Fax : 716/887-7456
www.ctg.com

Backed by over 40 years' experience, CTG provides IT staffing, application management outsourcing, consulting, and software development and integration solutions to help Global 2000 clients focus on their core businesses and use IT as a competitive advantage to excel in their markets. CTG combines in-depth understanding of our clients' businesses with a full range of integrated services and proprietary ISO 9001:2000-certified service methodologies. Our 3,300 IT professionals based in an international network of offices in North America and Europe have a proven track record of delivering solutions that work.

More information about CTG is available on the web at www.ctg.com.

