



ITSQB/ISEB Foundation

Software systems are omnipresent. Professional verifying and testing of software therefore becomes an increasingly important task which requires well-founded education.

This is why software testing professionals from all over the world have come together in order to work out and define standardized contents for further education.

www.ISTQB.org

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 three day training course is a preparation for the exam “Foundation Certificate in Software Testing” and is accredited by ISTQB and ISEB.

When you pass the exam, you receive a certificate that is recognised by ISTQB, as well as ISEB. At present, more than 30.000 test professionals are already ISTQB / ISEB accredited.

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%!



Course Objectives

The goal of this course is to provide an understanding of the fundamental principles of testing and explain testing terminology. The course also provides an overview of different techniques, both dynamic and static and how to apply them.

At the end of the course, each participant will have the chance to certify themselves with the Foundation Certificate in Software Testing by means of an exam.

Each participant will have gained knowledge about following topics:

- The differences between the testing levels and targets
- Black and white box approaches to all levels of testing
- The differences between the various types of review and Static Analysis
- Aspects of test planning, estimation, monitoring and control
- Better communication through understanding standard definitions of terms
- The different types of testing tools and the best way of implementing those tools

Typical Audience

This course is intended for anyone involved in testing and quality matters, including Test engineers, Test managers, Test consultants, Project managers and Quality managers.

Prerequisites

No specific prerequisites are required. However we strongly suggest that participants wishing to take the Foundation exam should have at least 6 months experience in testing and a basic knowledge of English.

Course Outline

DAY 1

- **Testing Principles**
Definitions, standard terminology (ISTQB)
Risk management and test strategy
Budgeting, time pressure, risks and pitfalls
- **Test Life Cycles**
Test life cycle models (who, what and when)
Entry and exit criteria
Master test planning
Advantages of early defect removal

DAY 2

- **Static and Dynamic Testing**
Static techniques (e.g. reviews, inspections and walkthroughs, code metrics)
White box techniques (different types of coverage)
Black box techniques (e.g. equivalence partitioning, boundary value analysis, decision tables, state transition testing)
- **Test Management**
Test organizations
Test planning, test management and project management
Configuration management
Problem management
Test ware, test deliverables and re-use

DAY 3

- **Test Tools**
Different types of tools (CAST)
Value, advantages and disadvantages, ROI
Data-driven testing
Implementation and maintenance
- **Exam (optional)**

Course Delivery

Throughout the course, an accredited trainer and software testing expert provides lectures and gives exercises based on real world projects.

Different mock exams ensure an optimal preparation for the real certification exam.

Courses can be given in English or in Dutch. Course material is in English.

The course and the exam are offered to you in cooperation with our partner Improve QS.



Course Duration & Venue

The course duration is 3 days.

The exam (optional) is organized at the end of the 3rd day and is a one-hour multiple-choice exam. Exams are available in English, Dutch or French.

This course can be given at the client's site or at CTG.

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.

Administration & Pricing

▪ Pricing

VAT excluded, course material, lunch and beverages included.
€ 500 per person per day (15% discount from the 5th subscriber).
Temporary action!: € 1000 per person for three days.
€ 3000 for a group of 7 to 10 persons per day.

▪ Cancellation

By Participant – If a subscribed course participant is replaced by another participant or if the public course is postponed to a later date no cancellation costs apply. A participant or a group that fails to attend, or that cancels a course without at least 15 working days written notice prior to the course start, is liable for the full subscription cost.

By CTG – CTG reserves the right to cancel a course at any time.

▪ Course Logistics

All classroom courses begin promptly at 9 am and are scheduled until 5 pm.

When a course takes place at the client's site, the client is responsible for the set-up of the classroom, including installation of the necessary software.

A calendar with course dates is available on our website.

Contact us

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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.

