

Structured Testing: Basics & Methodology

Our testing specialists, ranging from junior test engineers to experienced test consultants, have the necessary knowledge and experience to design, execute and organize your tests, to select and implement the best test tools, to advise on your test processes and to deliver training.

The use of structured testing is a crucial step forward in increasing software quality. This introduction explains the principles of structured testing and gives an overview of the existing methodologies. The most common terminology and testing concepts become clear through the use of practical examples and exercises. An overview of the various types of test tools and their basic functionalities is also provided.

Course Objectives

The goal of this course is to gain a basic understanding of the testing principles and to able apply these principles to design, execute and organise tests.

Typical Audience

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

Prerequisites

No specific prerequisites are required.

Course Outline

- **Structured Testing: Introduction**
 - What, Why
 - Testing versus quality
 - Terminology
- **The Structured Testing Process** (according to **STBox™**, an industry best practice Software Testing Methodology):
 - Test Project Preparation
 - Possible high level test strategies and how to use
 - Detailed Test Planning
 - Detailed test strategies (per iteration, test level or test type) and how to use
 - Test Build
 - How to design test data, test cases, test scripts and a test situation
 - Introduction to test design techniques
 - Test Execution
 - Execution of test cases : how, by whom
 - Test reporting and defect tracking
 - Test Project Closure
 - Evaluation of the test project
 - Test Management
 - Manage test teams, defects, issues and changes
 - Monitor and adjust test plans
 - Quality Management
 - Evaluation of test documentation, reviews and inspections
- **Other parts of STBox: People and Technology**
 - Test organisation and infrastructure
 - Test tools : kinds and when to use

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- **Structured Testing: Methodologies**

V-Model
The STBox Process
Structured Testing with TMap®
STBox FTT tree

Course Delivery

Approximately 50% of the class is devoted to lab exercises.

Throughout the course, an experienced trainer and software testing expert provides lectures and gives exercises based on real world projects. Courses can be given in English or Dutch. Course material is in English.

Course Duration & Venue

The course duration is 3 days.

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

Administration & Pricing

- **Pricing**

VAT excluded, course material, lunch and beverages included.
€ 500 per person per day (15% discount from the 5th subscriber).
€ 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.

