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# ISTQB Training: Tester Foundation Level Certification

ALL-IN-ONE: EXAMINATION INCLUDED IN PRICE

## 3 days (21 hours)

## Presentation

Our **ISTQB training** is a qualification for software testing, a guarantee of quality. It's essential for your company's test campaigns, sites and applications. What's more, it's a certification recognized the world over.

During our training, your team will learn to understand the system of different types of testing. This training will enable you to identify the different levels and types of testing, and give you an overview of the testing profession.

You'll be able to prepare and be trained for ISTQB® certification, which will enhance the value of your team and ensure that your company's testing vocabulary is unique.

You'll be able to manage, improve, plan and control tests as you see fit. Put everything you learn from this ISTQB certification into practice in your own company.

## Objectives

- Master the system of different test process activities
- Gain an overview of the testing profession
- Learn about test types and levels
- Preparing for ISTQB® certification

## Target audience

- Software testing professionals
- Software tester
- Test Manager
- Test engineers

# Prerequisites

Know the basics of the software life cycle (real time and information systems).

# ISTQB® training program

## Test fundamentals

- What are the challenges of testing? Why is testing essential?
- Vocabulary in the testing world
- What are the objectives of testing? What are the differences between testing and debugging?
- The 7 general principles of testing: when to test? Context? Completeness?
- Fundamental test processes
- Testing is an indispensable project activity
- The psychology of testing. Differences in approach between testers and developers.
- The tester's code of ethics
- Review of the day in the form of MCQ exercises to prepare for the exam

## Testing during the software lifecycle

- Software development models: V-model, iterative model...
- Testing in incremental and iterative approaches
- The different tests: component testing, integration testing, system testing, acceptance testing
- The main testing approaches: Big Bang, Ad-hoc, Incremental, Exploratory...
- Test types: test targets
- Maintenance testing. Regression testing
- Chapter review in the form of MCQ exercises for exam preparation

## Static techniques

- Reviews and test processes
- Formal review process
- Static analysis with technical test design tools
- Chapter review in the form of MCQ exercises for exam preparation

## Test design techniques

- Identify test conditions and design test cases
- Test item traceability

- Categories of test design techniques

- Specification-based or black-box techniques
- Equivalence classes, limits, decision tables, state transition...
- Structure-based or white-box techniques
- Executable path, branch, decision, condition coverage
- Experience-based techniques
- Selecting test techniques
- Chapter review in the form of MCQ exercises for exam preparation

## Test management

- Test organization. Roles, Test plan, Design, Approaches and strategy
- Test estimation and planning
- Monitoring and control of test progress. Reporting
- Configuration management
- Testing and risks. Project and product risks
- Incident management
- Chapter review in the form of MCQ exercises for exam preparation

## Test support tools

- Test management support tools
- Tools to support static test techniques
- Test specification support tools
- Test execution support tools
- Support tools for performance measurement
- Benefits and risks of using tools
- Introducing a tool to an organization

## Strategy and methods for exam success Mock

## exam

## Preparation for the official ISQTB Foundation certification exam

- It is recommended that participants devote an average of a few hours of personal time during the course to revising and re-reading the training materials and their notes.
- Mock exams followed by corrections and joint feedback of results throughout the course. training
- Tips and tricks for exam success

## Take the official ISTQB Foundation certification exam after the training course, on a date of your choice.

- Passing the official "ISTQB® Foundation" exam
- Documents : No documents are allowed during the exam.

- Language: French or English, as chosen by the candidate. (Please note that French is the default language. For English, please notify us at least 5 days before the scheduled exam.)
- Type : Multiple-choice questions
- Duration: 60 minutes

# Further information

# Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

# Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

# Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

# Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

# Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

# Sanction

A certificate will be issued to each trainee who completes the course.