

# ISEB/ISTQB Foundation Certificate in Software Testing

## Introduction

Through the Information Systems Examinations Board (ISEB), the British Computer Society (BCS) provides industry-recognised qualifications that measure competence, ability and performance in many areas of Information Systems, with the aim of raising industry standards, promoting career development and providing competitive edge for employers ([www.iseb.org.uk](http://www.iseb.org.uk)).

In order to contribute to the objective of gaining recognition for testing as an essential and professional software engineering specialisation, we proved to the ISEB Board our ability to teach the appropriate syllabus material, using competent staff, good materials and an appropriate training environment in view of the ISEB Foundation Certificate in Software Testing based on the ISTQB syllabus.

As Accredited Training Provider, ps\_testware can offer you a three day course leading to the certificate, awarded by ISEB to those who pass a one hour multiple-choice examination (40 questions) which is taken on the afternoon of the third day.

## Intended audience

Software developers, testers (both technical and user acceptance testers), test analysts, test engineers, test consultants, and managers including test managers, project managers, quality managers, - anyone with an interest in testing.

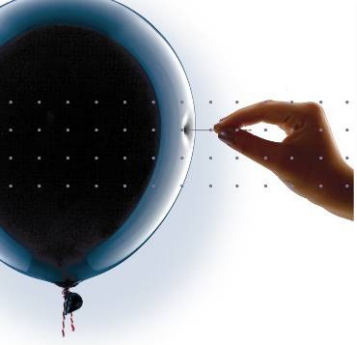
## On completion participants will

- Know how to perform effective testing of software
- Be aware of techniques and standards
- Have an awareness of what testing tools can achieve
- Know where to find more information about testing
- Be able to establish the basic steps of the testing process

## Course Outline

### *Day 1*

- Fundamentals of Testing  
Why testing is necessary; what is testing; general testing principles; fundamental test process; psychology of testing.
- Testing throughout the software life-cycle  
Software development models; test levels; test types: the targets of testing; maintenance testing.
- Static Techniques  
Reviews and the test process; review process; static analysis by tools.



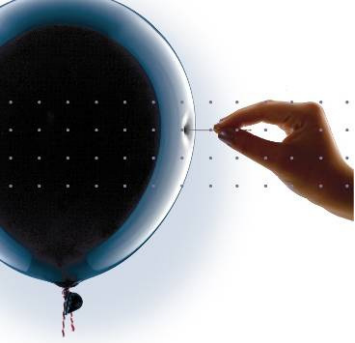
# ISEB/ISTQB Foundation Certificate in Software Testing

## *Day 2*

- Test design techniques  
Identifying test conditions and designing test cases; categories of test design techniques; specification-based or black-box techniques; structure-based or white-box techniques; experience-based techniques; choosing test techniques.
- Test management (part 1)  
Test organization; test planning and estimation

## *Day 3*

- Test management (part 2)  
Risk and testing; incident management; test progress monitoring and control; configuration management.
- Tool support for testing  
Types of test tool; effective use of tools: potential benefits and risks; introducing a tool into an organization.
- Examination (optional)  
The course concludes with a one hour externally invigilated examination which is marked by ISEB. Examination results will be communicated by ISEB not later than 2 weeks after the examination date. Certificates will be issued at the same time or at the latest within 6 weeks of the result notification.



# Managing Your Test Process

**ps\_testware**  
Your devil's advocate

## Introduction

Based upon our knowledge and years of experience in the field of Structured Software Testing, ps\_testware is able to offer you - on top of the ISEB/ISTQB Foundation Certificate in Software Testing – an advanced one day hands-on course tackling the specific topics of managing and measuring software quality.

## Intended audience

ISEB course participants or people with at least 1 year of software testing experience.

## On completion participants will

- know and understand that managing risks and taking appropriate decisions are based upon objective measurements
- know how to plan and track your test activities
- get a complete training guide.

## Course Outline (*1 day*)

You will see how to make a test planning, how to track the progress of a test project and how to measure the quality of your system under test objectively.

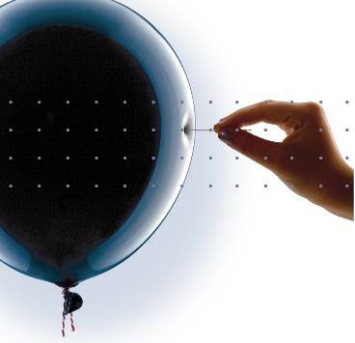
The test planning part mainly focuses on estimation of the test effort and how this can be accomplished.

Tracking & Managing the Test Process concentrates on the demystification of structured testing and shows that "Measuring is Knowing".

Next to this, the course pays specific attention to the measurement of goal-achievement, effectiveness and efficiency, the implementation of test metrics and the steering of the test process.

## Specifics

Participants should have a basic knowledge of MS Excel and are kindly asked to bring a laptop as the course involves an elaborate exercise in the afternoon.



# Test Specification Techniques

## Introduction

The "Test Specification Techniques" course explains a wide range of techniques that can be used to develop test cases in a structured way. Course participants will be immersed for two days in working with the most important specification-based test techniques.

## Intended audience

Professional testers, test team leaders, functional designers, developers, system auditors and analyst/programmers. Participants should have a basic knowledge of the concepts of structured testing (e.g. ISEB, TMap).

## On completion participants will

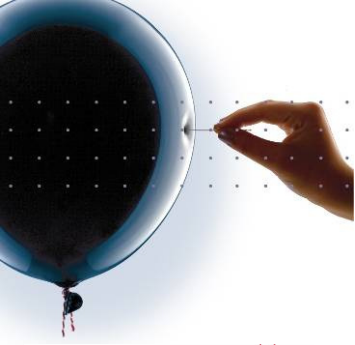
- Know and understand how to develop test cases with the most appropriate specification-based test techniques.
- Be able to assess what type of technique can be used for a specific test.
- Be able to deal with test situations in a structured way.

## Course Outline (2 days)

You will see why test specification techniques are useful and get information on the basic concepts (general steps and properties of test specification techniques).

The theory behind the most used test specification techniques will be explained and examples and exercises will be worked out in detail to provide the practical skills on how to work with the techniques.

The test specification techniques that will be covered are – amongst others – Decision Table Test, Elementary Equation Test, Entity Life Cycle Test and Process Life Cycle Test. These techniques are outlined in ISEB/ISTQB and TMap.



# Test Requirements Hierarchy (workshop)

## Introduction

The vast majority of tests we develop and execute are requirement-based. But when you really start specifying your test designs and test cases, you will notice that requirements are of poor quality or even not existing at all. You may also be confronted with questions like "How deep you need to test", "How long will it take to design and execute test cases", "How do I set my priorities", etc.

Based upon our knowledge and years of experience in the field of Structured Software Testing, ps\_testware is able to offer you a one day advanced hands-on course "Test Requirements Hierarchy Workshop", specifically designed to tackle these burning questions.

## Intended audience

Professional testers, test team leaders, functional designers, developers, system auditors and analyst/programmers. Participants should have a basic knowledge of the concepts of structured testing (e.g. ISEB/ISTQB, TMap), knowledge of test specification techniques and practical experience with designing tests.

## On completion participants will

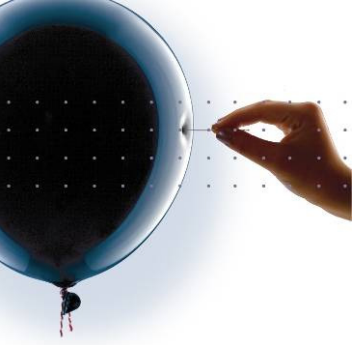
- acknowledge the advantages of good (test) requirements
- be able to place a TRH within the V-model
- be able to derive testable requirements
- be able to construct a TRH and know what tools can be used
- be able to use a TRH throughout a test project.

## Course Outline (1 day)

The course starts by explaining the importance of good test requirements and possible pitfalls that can occur. Afterwards, the focus is put on deriving testable requirements and ways of specifying test requirements with little or no user requirements to start from.

The theory will be covered on how to construct a Test Requirements Hierarchy (TRH) and the method will be put into practice based on real-life examples. As a TRH is constructed by means of a workshop, participants will learn how to organize and conduct a TRH workshop.

As a TRH is an essential element throughout the testing lifecycle, its use will be explained within all phases of the Fundamental Test Process (as used within ISEB/ISTQB): Test planning & control, Test analysis & design, Test implementation & execution and Evaluating exit criteria & reporting.



# ISTQB Advanced Level Test Manager Certificate in Software Testing



## Introduction

The International Software Testing Qualifications Board ([ISTQB](#)) consists of Member Boards representing countries or regions around the world.

Next to the Foundation Level Certification, ISTQB has an Advanced Level Certification divided over three modules:

- ✓ Advanced Level Test Manager
- ✓ Advanced Level Test Analyst
- ✓ Advanced Level Technical Test Analyst

In order to contribute to the objective of gaining recognition for testing as an essential and professional software engineering specialization, we proved to ISTQB our ability to teach the appropriate syllabus material, using competent staff, good materials and an appropriate training environment in view of the ISTQB Advanced Level Test Manager Certificate in Software Testing based on the ISTQB syllabus.

As Accredited Training Provider, ps\_testware can offer you a five day course leading to the certificate, awarded by ISTQB to those who pass the exam.

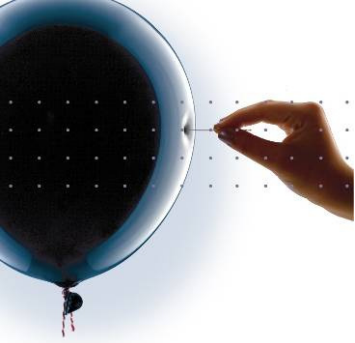
## Intended audience

People who have advanced in their software testing career and want to certify on a higher level. This includes test managers, test analysts, test engineers, but also project managers, quality managers and development managers.

Candidates must hold the [ISEB/ISTQB Foundation Certificate](#).

## On completion participants will

- Be able to define overall test goals and strategy for systems being tested;
- Know how to plan, schedule and track tasks;
- Know how to describe and organize the necessary activities;
- Be able to select, acquire and assign adequate resources to tasks;
- Know how to select, organize and lead test teams;
- Better organize the communication within test teams, and between test teams and other stakeholders;
- More efficiently justify decisions and provide adequate reporting information where applicable.



# ISTQB Advanced Level Test Manager Certificate in Software Testing

## Course Outline

### *Day 1*

- Basic aspects of testing: life cycle models, specific systems and metrics & measurement;
- Testing processes: test planning & control, test implementation & execution, evaluating exit criteria & reporting, test closure activities;
- People skills: individual skills;
- Test documentation: test policy, test strategy, test plan.

### *Day 2*

- Risk based testing: introduction;
- FMEA: Failure Mode and Effects Analysis;
- Business value of testing;
- Test estimation and test scheduling.

### *Day 3*

- Risk management;
- Incident management;
- People skills: test team dynamics, communication;
- Test management & control.

### *Day 4*

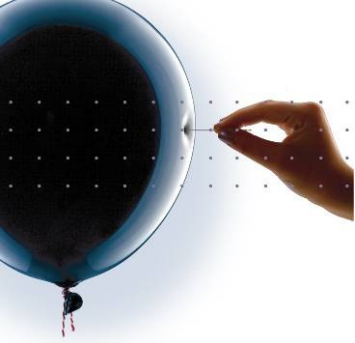
- Test management issues;
- Distributed, outsourced and insourced testing;
- Test improvement: CMMi, TMM, TPI, CTP, STEP;
- People skills: motivation, fitting testing within the organization;
- Reviews.

### *Day 5*

- Standards;
- Test tools & automation;
- Risk management in the life cycle.

## Specifics

- Participants should be informed that a minimum of 8 hours of self study will be needed between sessions.
- The certification exam will be scheduled approximately 2 weeks after the 5<sup>th</sup> day of the course.



# Course Pricing

## ISEB/ISTQB Foundation Certificate in Software Testing

- € 1315
- incl. lunch and refreshments
- excl. exam fee of € 195 (optional)

## Managing Your Test Process

- € 595
- incl. lunch and refreshments

## Test Specification Techniques

- € 1100
- incl. lunch and refreshments

## Test Requirements Hierarchy (workshop)

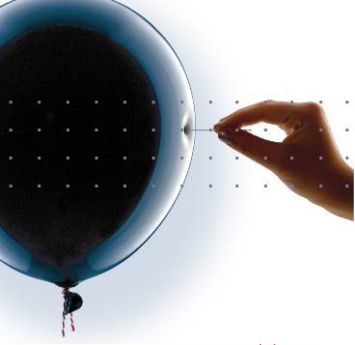
- € 595
- incl. lunch and refreshments

## ISTQB Advanced Level Test Manager Certificate in Software Testing

- € 2295
- incl. lunch and refreshments
- excl. exam fee of € 195 (optional)

## General

- *Pricing is excl. VAT*
- *Group discount:  
3rd participant (-5%), 4th participant (-10%), 5th and 6th participant (-15%)*
- *Cancellation costs:  
In case of cancellation, not later than 2 weeks before start of the course, 15% of the course fee will be invoiced. Henceforth the full course fee will be invoiced. However, course participants can be replaced at any time.*
- *On demand: all mentioned courses can be organized at your premises.*



# Registration Form

## General information

- Language: English / Hours: 9h00 – 17h00
- Location:
  - Belgium: ps\_testware N.V. • Tiensesteenweg 343 • 3010 Leuven • [info@pctestware.com](mailto:info@pctestware.com)
  - The Netherlands: ps\_testware B.V. • Dorpsstraat 26 • 3941 JM Doorn • [info@pctestware.com](mailto:info@pctestware.com)

Available course dates can be found here: <http://www.pctestware.com/index.php?cid=12&scid=123&sscid=1234>

Please, register me for:

1. **ISEB/ISTQB Foundation Certificate in Software Testing** (€ 1.315, excl. VAT)

*Please see our website for the available public dates.*  
 Preferred location: \_\_\_\_\_  
 Preferred dates: \_\_\_\_\_

- OPTIONAL: certification exam on the 3rd course day (€ 195, excl. VAT)**

2. **Managing Your Test Process** (€ 595, excl. VAT)

*Please see our website for the available public dates.*  
 Preferred location: \_\_\_\_\_  
 Preferred dates: \_\_\_\_\_

3. **Test Specification Techniques** (€ 1.100, excl. VAT)

*Please see our website for the available public dates.*  
 Preferred location: \_\_\_\_\_  
 Preferred dates: \_\_\_\_\_

4. **Test Requirements Hierarchy workshop** (€ 595, excl. VAT)

*Please see our website for the available public dates.*  
 Preferred location: \_\_\_\_\_  
 Preferred dates: \_\_\_\_\_

5. **ISTQB Advanced Level Test Manager Certificate in Software Testing** (€ 2295, excl. VAT)

*Please see our website for the available public dates.*  
 Preferred location: \_\_\_\_\_  
 Preferred dates: \_\_\_\_\_

- OPTIONAL: certification exam 2 weeks after the last session of each course (€ 195, excl. VAT)**

Name: .....male/female  
 Title: .....  
 Company: .....  
 Phone / Fax: .....  
 E-mail: .....  
 Invoice address: .....  
 VAT number: .....  
 Your reference: .....  
 Date / Signature: .....

**Please fax or email this registration form to:**

**Leuven, Belgium: +32-16-359388 or [info@pctestware.com](mailto:info@pctestware.com)**  
**Doorn, the Netherlands: +31-343-473061 or [info@pctestware.com](mailto:info@pctestware.com)**

**After we receive your order we will confirm availability and your registration.**