

# Test Fundamentals

1 Day



## Course Overview

This course provides an introduction to software testing. It not only gives the delegate an excellent insight into what software testing involves, but also how they can approach testing applications when back in their working environment.

## Course Objectives

- To provide a foundation in formal software testing principles and techniques for all those who need to know how to test software systems;
- to provide an understanding of different development life cycle models and the role of testing;
- to identify the key testing phases and their characteristics;
- to cover the key aspects of producing test cases;
- to identify key differences between the relative priorities of testing traditional systems and internet based systems; and
- to enable the attendee to start testing within a project.

## Who Should Attend?

This course is intended for users, business analysts, test analysts and developers who want a basic understanding of testing and the test process.

## Syllabus – Key points

The course will cover the following aspects of practical test management:

Introduction and the need for testing:

- why do we test?
- testing and risk; and
- testing and quality.

Terminology:

- testing standards; and
- errors, faults, failures and bugs.

Testing techniques:

- introduction to static and dynamic testing;
- reviews;
- black box and white box testing – equivalence partitioning, boundary value analysis, statement testing, branch/decision testing, ad hoc testing and error guessing; and
- non-functional testing.

The testing process and life cycle models:

- the V-model; and
- stages of testing.

Incident management.

Testing controls.

The test environment.

The impact of e-business.

Where do we go from here?

- attributes of a good tester; and
- how do we improve?

## Alternative Courses

LFOT3: Fundamentals of Testing - a three-day introduction to testing for technical staff with a greater emphasis on test techniques.

LUATI: User Acceptance Testing Introduction - a two-day introduction to testing for acceptance test teams.

## Course deliverables

Each delegate shall receive a full set of course materials as both hard copy and on CD for future reference.

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## About tsg

The innovative Testing Consultancy that works with you to solve specific problems to help achieve your corporate objectives and maximize the return on investment you've made in your people, process and tools in three key, linked areas:

### Learning & Development

- ISTQB, ISEB, Prince & ITIL certificated training in the classroom;
- ISTQB & ISEB certificated training over the Internet through Learntesting™;
- Tutor-led 'Academies' using real applications and templates that provide practical learning and experience through the entire life cycle of testing;
- Training needs analysis and tailored training programmes to meet your specific requirements.

### Consultancy

- Using TSG's acknowledged industry experts and highly-experienced principal consultants;
- Our services support high-level strategic decision-making, demonstrating a record of measurable success;
- Bring success to your Agile testing projects.

### Managed Services

- A tried and tested solution to the inherent problems of outsourcing or resourcing that brings success to projects whilst allowing them to still conduct business as usual;
- A compelling, time-based service in which TSG and its clients work cooperatively and share responsibility for testing success;
- Based on an SLA and a set of measures, our managed service is a true partnership that helps you run your BAU programmes whilst building capability into your people, processes and organisation.