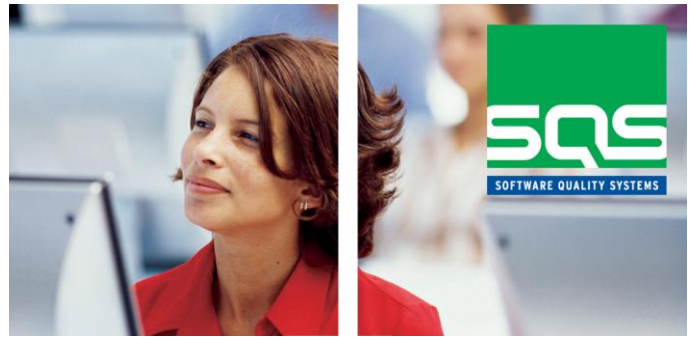


# ISTQB Certified Tester Advanced Level Test Manager

CTAL-TM

5 days plus exam



## Course Overview

A five day course.

ISTQB (International Software Testing Qualifications Board) is the new standard for international qualifications in software testing at an advanced level. This course, with its large number of practical exercises and practice examination questions, fully prepares attendees for the ISTQB Certified Tester Advanced Level Test Manager examination. Whilst this course is focused on the syllabus, giving attendees the maximum chance of passing the examination, it also contains many real world practical examples.

## Course Objectives

On completion of this course attendees will have an advanced understanding of test management and will be fully prepared to take the ISTQB Certified Tester Advanced Level Test Manager examination.

## Who should attend?

Anyone involved in test team leadership or creating test plans and test strategies, and anyone intending to take the ISTQB Certified Tester Advanced Level Test Manager examination.

## Prerequisites

Attendees intending to take the ISTQB Certified Tester Advanced Level Test Manager examination must hold the ISTQB or ISEB Foundation Certificate in Software Testing.

## Related Certifications

- ISTQB Certified Tester Foundation Level or ISEB Foundation Certificate in Software Testing
- ISTQB Certified Tester Advanced Level Test Analyst
- ISTQB Certified Tester Advanced Level Technical Test Analyst

## Recommended Follow-on Courses

After completing this course attendees may consider taking one or both of the other ISTQB Advanced Level courses:

- ISTQB Certified Tester Advanced Level Test Analyst
- ISTQB Certified Tester Advanced Level Technical Test Analyst

Attendees wishing to further advance their skills as a test manager may also consider taking the following courses:

- Practical Test Planning
- Test Estimation
- Advanced Test Management
- Writing Test Strategies

## Further Information

By presenting the information and exercises using real practical examples from SQS's extensive experience, as well as encouraging attendees to discuss their own experience, and by giving special attention to practice exam questions, attendees of this course will find that they have the best possible chance of scoring a high mark in the exam.



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### Course Outline

This course follows the ISTQB Advanced Level Technical Test Manager syllabus and covers the following:

Basic aspects of software testing

- Review of the Certified Tester Foundation Level syllabus
- Specific systems (application domains)
- Testing and the software development life cycle
- Test process
- Stakeholders
- Ethics

Risk

- Risk management
- Failure Mode and Effect Analysis (FMEA)

Test management

- Test policy
- Typical test strategies
- The test strategy document
- Master test plan
- Level test plan
- Test estimation
- Scheduling test planning
- Test monitoring, reporting and control

Test management issues

- Business Value of Testing
- Distributed, Outsourced and Insourced Testing
- Test management issues for exploratory testing
- Test management issues for systems of systems
- Test management issues for safety critical systems
- Other test management issues

Tools

- Test tool concepts
- Test tools categories

Reviews

- Principles and types of reviews
- Introducing Reviews

Incident management

- Incident reports
- When can an incident be identified
- The incident management process or defect life cycle
- Defect fields
- Metrics and incident management
- Communicating incidents

Standards

- ISO Standards
- IEEE Standards
- BSI Standards
- Industry specific and other standards

Test process improvement

- The purpose of test process improvement
- Testing Maturity Model (TMM)
- Test Process Improvement (TPI)
- CTP (Critical Testing Process)
- STEP (Systematic Test and Evaluation Process)
- Improving the Test Process
- Capability Maturity Model Integration, CMMI

People skills

- Individual skills
- Test team dynamics
- Fitting testing within an organisation
- Motivation
- Communication

