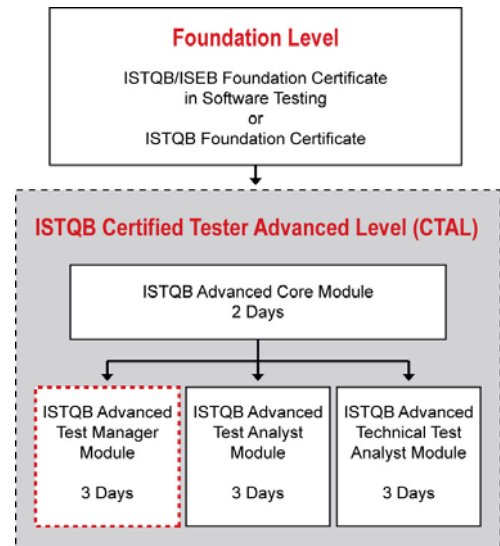


ISTQB Advanced Test Manager Module

This three day course follows on from the *ISTQB Advanced Core Module* and leads to the *ISTQB Advanced Test Manager* certification.

This course focuses specifically on test management issues such as test estimation, monitoring and control, test documentation, process improvement, metrics, measures and people skills.

The prerequisite *ISTQB Advanced Core Module* covers elements common to all three advanced level streams in one two day course. Each of the three ISTQB Advanced streams – Test Manager, Test Analyst and Technical Test Analyst – is usually trained over five days. Completing the *ISTQB Advanced Core Module* once thus saves the candidate four days training in attaining the full *Certified Tester Advanced Level* qualification: *CTAL – Full (Test Manager, Test Analyst and Technical Test Analyst)*.



Course Objectives

- Provide an understanding of software test management that goes beyond the ISTQB Foundation level.
- Provide test managers with a good level of knowledge that enables analysis of situations to present practical solutions.
- Provide a framework for test managers to build upon within their organisations.

Spreadsheets, templates and utilities will be provided, enabling managers to be more efficient and effective within their organisations.

Who Will Benefit

This three day course is appropriate for test managers, test team leaders, development managers, project managers and anyone wishing to gain the *ISTQB Advanced Test Manager Qualification*.

Skills Gained

- Understand the various lifecycles and how to apply them effectively.
- Create a firm foundation for the success of testing in your organisation.
- Estimate, plan, monitor and control testing on any project.
- Understand how to manage distributed, outsourced and in-sourced test resources.
- Build effective and highly-motivated test teams.
- Understand and apply test process improvement models.

Course Content

- **Basic Aspects of Software Testing**
 - Builds upon those aspects introduced in the *ISTQB Advanced Core Module*.
 - Explores the different testing lifecycles, providing a detailed understanding of how to implement the most appropriate lifecycle.
 - Explains specific systems, metrics and measures, allowing relevant testing strategies to be produced.
- **Test Management: Test Management Documentation**
 - Explains the differences between a test policy, test strategy, master test plan and level test plan.
 - Examples of different strategies are shown that could be used to meet defined policies.

- **Test Plan Documentation Templates**
 - Describes the content of a test plan (master and level) according to IEEE 829.
 - We shall provide test plan templates and explain how they can be adapted depending on the organisation, standards and formality of the project.
- **Test Estimation**
 - Highlights the factors and considerations used when estimating testing.
 - Discusses ten different estimation techniques and how to communicate this information to management.
- **Scheduling Test Planning**
 - Explains the importance of test planning and highlights the benefit of iterative test planning.
- **Test Progress Monitoring and Control**
 - We monitor testing to establish our project goals and candidates will understand different metrics to collect and their significance when creating test reports.
- **Business Value of Testing**
 - Testing needs to deliver value to any project and benefits need to be understood by management. This session shows how testing can be measured in terms of value and efficiency.
- **Distributed, Outsourced and Insourced Testing**
 - There is a need for clear channels of communication and trust, regardless of location. However, test teams based across multiple locations encounter further challenges. Some of these differences are detailed in this section.
- **Failure Mode and Effect Analysis (FMEA)**
 - FMEA is a very structured approach to understanding risk. Candidates will gain an understanding and experience of using this technique and assess the model's use in their organisation.
- **Test Management Issues**
 - Identifies test management issues for safety critical systems, systems of systems.
 - Discusses the use and benefits of the Exploratory testing approach, as well as other issues such as non-functional testing.
- **Standards and Test Improvement Process**
 - Discusses different standards and improvement models and their usefulness.
 - Presents various test improvement models such as Test Maturity Model (TMM), Systematic Test and Evaluation Process (STEP), Critical Testing Processes (CTP) and Test Process Improvement (TPI).
- **People Skills – Team Composition**
 - Considers a tester's skills and different ways to motivate test team members.
 - Discusses contributing factors when identifying skills needed for an existing team, and how test team dynamics can affect productivity.
 - Presents different organisational structures for testing and the importance of independent test teams.

The Exam

This course will provide the candidate with the necessary knowledge and skills to sit the *ISTQB Advanced Test Manager Certificate* multiple-choice exam. Candidates will be given the opportunity to sit the examination at the end of the course.

Information about the certification can be found on the International Software Testing Qualifications Board (ISTQB) website: <http://www.istqb.org/>

Course Details

- Prerequisites**
 Candidates wishing to take the *ISTQB Advanced Test Manager Certificate* must hold the *ISTQB/ISEB Foundation Certificate* or *ISTQB Certified Tester Foundation Level Certificate* and have completed the *ISTQB Advanced Core Module*. There are certain work experience prerequisites, a document detailing the prerequisites can be downloaded from the South African Software Testing Qualifications Board (SASTQB) site (www.sastqb.org.za) for more detailed information. If you wish to sit the course without taking the exam, there are no prerequisites.
- Course presentation and duration**
 The course is presented by an experienced software testing practitioner. The course duration is three days. It runs from 08:00 to 17:30. This includes a lunch and two tea breaks daily. Course dates can be found on our website www.testdata.co.za.
- Training style**
 The course is conducted in a classroom style. Candidates use practical tasks to layer theoretical concepts.
- Comprehensive and accredited course materials, certification and assessment**
 Comprehensive course notes are provided. Candidates will be given exercises, practice exams and learning aids to assist in preparation for the final exam.
- Accreditation**
 Test and Data Services is an accredited ISTQB Training Provider.
<http://www.sastqb.org.za/listAccreditations.html>
- Training Venues**
 Test and Data Services presents courses at several well-established training facilities in Midrand (near Johannesburg and Pretoria), Cape Town and Durban. Training can be arranged at the client's premises, depending on adequate facilities and candidate numbers. Training courses can also be provided internationally.

Contact

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