

ISTQB Advanced Test Manager Module

COURSE OVERVIEW

This five-day course focuses specifically on test management issues such as test estimation, monitoring and control, test documentation, selecting appropriate review types, introducing reviews into organizations, defect lifecycles, defect categorizations, process improvement, metrics, measures and people skills.

COURSE CONTENT

The course covers the following areas:

- **BASIC ASPECTS OF SOFTWARE TESTING:** Builds upon those aspects introduced in the ISTQB Foundation Level Certificate. 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:** Testing the system's functionality is an important aspect for every tester, focusing on what the system does. Another vital area for every tester is to test the software's characteristics – how well it behaves. Analysis of suitable techniques is provided to test the following characteristics for the test analyst: accuracy, suitability, interoperability, functional security, usability, and accessibility.
- **TEST ESTIMATION:** Highlights the factors and considerations used when estimating testing. Discusses different estimation techniques and how to effectively 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. Candidates will understand different metrics that are necessary for collection and their significance when creating test reports.
- **BUSINESS VALUE OF TESTING:** Testing needs to deliver value to any project and those 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. Test teams based across multiple locations encounter further challenges and these differences will be 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 organization.

COURSE LEVEL: ADVANCED

INTENDED AUDIENCE

This course is aimed at anyone wishing to attain the ISTQB Mobile Tester qualification. This qualification builds upon the Foundation syllabus and provides essential skills for all mobile testers.

COURSE DURATION

The course is presented by an experienced software testing practitioner. The course duration is five days with an exam.

TRAINING STYLE

The course is conducted in a virtual 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.

TRAINING VENUES

iLAB Training is virtually presented globally.

- **TEST MANAGEMENT ISSUES:** Identifies test management issues for 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 NEXT).
- **PEOPLE SKILLS – TEAM COMPOSITION:** Provides understanding of individual tester skill sets 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 organizational structures for testing and the importance of independent test teams.



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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 register for 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 PREREQUISITES

Candidates wishing to take the ISTQB Advanced Test Manager Certificate must hold the ISTQB Foundation Certificate or ISTQB Certified Tester Foundation Level Certificate.

Visit the International Software Testing Qualifications Board (ISTQB) website: <http://www.istqb.org/> for details on prerequisites.

MORE INFORMATION

As the leader in independent software quality assurance and testing for over two decades, our training has helped thousands of testers and managers launch their careers into the next level! We offer a wide variety of courses at initial, intermediate and advanced levels. Our courses range from one to five days in duration and, depending on the facilities and number of candidates, can be arranged at your location.