



ISTQB® Certified Tester Foundation Level – Acceptance Testing

COURSE INFORMATION

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Summary

Tesena is proud to offer one of the most forward-looking training courses that has come onto the market in recent times: Acceptance Testing from ISTQB® and Grove Software Ltd. Like the ISTQB's Agile Tester extension, in only 2 days this course takes software testing out of its silo into an area where collaboration with other team members can multiply a tester's contribution to a project and extend his/her skills. In this case, the subject is acceptance testing from the business perspective and the emphasis is on collaboration with business analysts, in both Agile and traditional projects.

Perhaps the most exciting aspect is its coverage of modern techniques for modelling business process flows and decision making. These techniques, maintained by the Object Management Group, endorsed by an ISO standard and UML-compliant, are becoming the basis for a powerful new range of model-based application and test generation tools. Any tester of business software who doesn't embrace them risks being left behind in a fast-changing environment.

The ISTQB Foundation level Acceptance Testing extension syllabus forms the basis of this 2-day training course. It focuses on techniques for business-facing acceptance testing that go much further than those covered at Foundation level. This course is accredited by the ISTQB and will equip delegates to take its Acceptance Testing certification exam.

Our training, created by one of the UK's oldest and most respected software testing consultancies, includes exercises and practice exams to highlight key aspects of the syllabus, to help participants understand and practice the concepts and methods presented and to prepare them for the certification exam.

Course Objectives

The course's aim is to explain how testers can collaborate with business analysts and/or product owners in any kind of software development lifecycle to maximise the business value of acceptance testing for both functional and non-functional quality characteristics.

The training therefore builds on basic Foundation level knowledge by explaining how validation of the business solution can be achieved by defining high-quality acceptance criteria and developing these into acceptance tests that will provide the coverage, and therefore the risk reduction, that the users need.

Who will benefit?

Primarily, this course is recommended for anybody in a test-related role that involves user acceptance testing or, in the case of a software vendor, testing on behalf of the customers. This includes testers at any level from new starters up to management level; even test managers who no longer get hands-on will benefit from a thorough understanding of the techniques available to their team.

People who aren't testers but would like to understand what they can expect from acceptance testers on a software development will also benefit: this includes business analysts, product owners, Scrum masters, project managers, quality managers and IT consultants.

Prerequisites

In order to take the Acceptance Testing certification exam, it is necessary to already have the Foundation level core certificate. There is, however, no pre-requisite for attending the training course.

If you don't already have the Foundation level certificate then we recommend that, in order to get maximum benefit, you can by the time that you attend meet at least one of the following criteria:

- have attended a Foundation level training course (preferably an ISTQB-accredited one), or
- have studied the ISTQB Foundation level syllabus or one of the self-study books that are recommended by the ISTQB on its web site www.istqb.org (in the References section), or
- have at least two years' experience in any role, test-related or otherwise, on a project or projects developing and delivering software for business use.

Skills to be Gained

A candidate who achieves ISTQB Acceptance Testing certification should be able to accomplish the following objectives.

For business analysts and product owners:

- Contribute to an organization's acceptance test activities by participating in acceptance test design and supporting alignment of the product with the business requirements.
- Contribute to the quality of acceptance testing, including validation and verification of its work products.

For testers:

- Contribute to the definition of acceptance criteria during requirements definition.
- Collaborate efficiently with business analysts and other stakeholders during all acceptance testing activities.
- Understand the business objectives, communicate with business units and share common objectives for acceptance testing.

For everybody:

- Develop and review acceptance criteria for requirements and/or user stories in a collaborative way.

- Apply Acceptance Test Driven Development (ATDD) and Behavior Driven Development (BDD) techniques.
- Apply the Gherkin language for designing acceptance tests.
- Organize exploratory testing and beta testing session.
- Review business process / rule models specified in BPMN and DMN.
- Use business process / rule models specified in BPMN and DMN to create acceptance tests.
- Consider usability / user experience, performance efficiency and security when planning and performing acceptance testing.
- Collaborate efficiently with stakeholders in acceptance test activities, including defect reporting and analysis and test status reporting.
- Select relevant tools for acceptance testing.

The Certification Exam

The Certificate is awarded to those who pass a written one-hour multiple-choice exam of 40 questions that is set, moderated, marked and invigilated by an ISTQB licensed Exam Provider. Candidates whose native language is not English get an extra 25% time allowance.

The exam will be arranged separately on a later date. Tesena suggests that this exam be taken a few days after the course in order to allow adequate preparation time.

Course Content (Overview)

Chapter 1: Introduction and Foundations

- fundamental roles of and relationships between testers and BAs
- basic processes of business analysis and testing, and their touch points.

Chapter 2: Acceptance Criteria, Acceptance Test Cases and Experience-Based Practices

- writing acceptance criteria
- designing acceptance tests
- experience-based approaches for acceptance testing.

Chapter 3: Business Process and Business Rules Modeling

- modelling business processes and rules with BPMN and DMN
- deriving acceptance tests from business process / business rule models
- business process modelling for acceptance testing.

Chapter 4: Acceptance Testing for Non-Functional Requirements

- introduction to non-functional characteristics and quality in use
- testing for usability and user experience

- testing for performance efficiency
- testing for security.

Chapter 5: Collaborative Acceptance Testing

- the need for collaboration
- activities of acceptance testing, including defect analysis, reporting and quality assurance
- tool support for acceptance testing.

A more detailed list of this course's content can be found in the official ISTQB syllabus which can be viewed on, and downloaded from, www.istqb.org (in the Downloads section).

Acknowledgement:- much of the above content has been taken or adapted from the ISTQB® web site at www.istqb.org.