

## ISTQB Foundation Agile Tester

### Referencia

JIS 315

### Duración (horas)

16

### Última actualización

10 febrero 2018

### Modalidades

Presencial

### Examen

ISTQB-ATF

### Certificación

ISTQB Agile Tester

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## Introducción

The ISTQB Agile Tester Foundation Certificate Course is a two-day course explaining the fundamentals of testing on agile projects. This course is accredited by ISTQB and addresses the ISTQB Foundation Level Extension Syllabus – Agile Tester.

The course includes exercises and practice exams to highlight key aspects of the syllabus and to help participants understand and practice the concepts and methods presented.

## Objetivos

Provides participants with the knowledge and skills necessary to become an effective member of an Agile team. Explains the fundamentals of testing on Agile projects including commonly used Agile development practices and processes. Describes how to organise and estimate testing and how to apply risk-based testing on Agile projects, and outlines the important testing and test-related tools typically used on Agile projects.

## Perfil de los alumnos

This 2-day course is appropriate for professionals in roles such as testers, test analysts, test engineers, test consultants, test managers, user acceptance testers, software developers, and anyone wishing to gain the ISTQB Foundation Level Extension – Agile Tester certificate. This course may also be appropriate for anyone who wants a deeper understanding of software testing in the Agile world, such as project managers, quality managers, software development managers, business analysts, IT directors, and management consultants.

The certification is aimed at professionals who are working within Agile environments. It is also for professionals who

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are planning to start implementing Agile methods in the near future, or are working within companies that plan to do so.

People possessing an ISTQB Foundation Level Extension – Agile Tester certificate may use the Certified Tester Foundation Level acronym CTFL-AT.

## Requisitos previos

Candidates for the ISTQB Foundation Level Extension – Agile Tester certificate must hold the ISTQB Certified Tester Foundation Level certificate (CTFL).

## Contenidos

### 1. Agile Software Development

#### 1.1 The Fundamentals of Agile Software Development

##### 1.1.1 Agile Software Development and the Agile Manifesto

##### 1.1.2 Whole-Team Approach

##### 1.1.3 Early and Frequent Feedback

#### 1.2 Aspects of Agile Approaches

##### 1.2.1 Agile Software Development Approaches

##### 1.2.2 Collaborative User Story Creation

##### 1.2.3 Retrospectives

##### 1.2.4 Continuous Integration

##### 1.2.5 Release and Iteration Planning

### 2. Fundamental Agile Testing Principles, Practices, and Processes

#### 2.1 The Differences between Testing in Traditional and Agile Approaches

##### 2.1.1 Testing and Development Activities

##### 2.1.2 Project Work Products

##### 2.1.3 Test Levels

##### 2.1.4 Testing and Configuration Management

##### 2.1.5 Organizational Options for Independent Testing

#### 2.2 Status of Testing in Agile Projects

##### 2.2.1 Communicating Test Status, Progress, and Product Quality

##### 2.2.2 Managing Regression Risk with Evolving Manual and Automated Test Cases

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## 2.3 Role and Skills of a Tester in an Agile Team

### 2.3.1 Agile Tester Skills

### 2.3.2 The Role of a Tester in an Agile Team

## 3. Agile Testing Methods, Techniques, and Tools

### 3.1 Agile Testing Methods

#### 3.1.1 Test-Driven Development, Acceptance Test-Driven Development, and Behaviour-Driven Development

#### 3.1.2 The Test Pyramid

#### 3.1.3 Testing Quadrants, Test Levels, and Testing Types

#### 3.1.4 The Role of a Tester

### 3.2 Assessing Quality Risks and Estimating Test Effort

#### 3.2.1 Assessing Quality Risks in Agile Projects

#### 3.2.2 Estimating Testing Effort Based on Content and Risk

### 3.3 Techniques in Agile Projects

#### 3.3.1 Acceptance Criteria, Adequate Coverage, and Other Information for Testing

#### 3.3.2 Applying Acceptance Test-Driven Development

#### 3.3.3 Functional and Non-Functional Black Box Test Design

#### 3.3.4 Exploratory Testing and Agile Testing

### 3.4 Tools in Agile Projects

#### 3.4.1 Task Management and Tracking Tools

#### 3.4.2 Communication and Information Sharing Tools

#### 3.4.3 Software Build and Distribution Tools

#### 3.4.4 Configuration Management Tools

#### 3.4.5 Test Design, Implementation, and Execution Tools

#### 3.4.6 Cloud Computing and Virtualization Tools

## Acreditación

Se emitirá Certificado de Asistencia sólo a los alumnos con una asistencia superior al 75% y Diploma aprovechamiento si superan también la prueba de evaluación.