

PROGRAMA ISTQB CTAL – TM

As a test manager, you take on responsibility for the test process conducted during software development. You plan the necessary tests, assess them and handle fault management. With the internationally recognized ISTQB® Certified Tester Advanced Level - Test Manager (CTAL-TM) certification, you will demonstrate that you have the skills and knowledge of the testing tools that are used to automate processes.

In order to be certified you must pass the ISTQB® Certified Tester Advanced Level - Test Manager exam. In order to take the ISTQB® Certified Tester Advanced Level - Test Manager exam you will need the ISTQB® Certified Tester Foundation Level certificate. You should have at least 18 months of practical experience in the field of software testing.

Course Modules and Lessons for ISTQB® Certified Tester Advanced Level Test Manager

1. Testing Process – 420 mins.

- Introduction
- Test Planning, Monitoring and Control
 - 1. Test Planning
 - 2. Test Monitoring and Control
- Test Analysis
- Test Design
- Test Implementation
- Test Execution
- Evaluating Exit Criteria and Reporting
- Test Closure Activities

2. Test Management – 750 mins.

- Introduction
- Test Management in Context
 - 1. Understanding Testing Stakeholders
 - 2. Additional Software Development Lifecycle Activities and Work Products
 - 3. Alignment of Test Activities and Other Lifecycle Activities
 - 4. Managing Non-Functional Testing
 - 5. Managing Experience-Based Testing
- Risk-Based Testing and Other Approaches for Test Prioritization and Effort Allocation
 - 1. Risk-Based Testing

- 2. Risk-Based Testing Techniques
- 3. Other Techniques for Test Selection
- 4. Test Prioritization and Effort Allocation in the Test Process

Test Documentation and Other Work Products

- 1. Test Policy
- 2. Test Strategy
- 3. Master Test Plan
- 4. Level Test Plan
- 5. Project Risk Management
- 6. Other Test Work Products

Test Estimation

Defining and Using Test Metrics

Business Value of Testing

Distributed, Outsourced, and Insourced Testing

Managing the Application of Industry Standards

3. Reviews – 180 mins.

Introduction

Management Reviews and Audits

Managing Reviews

Metrics for Reviews

Managing Formal Reviews

4. Defect Management – 150 mins

Introduction

The Defect Lifecycle and the Software Development Lifecycle

- 1. Defect Workflow and States
- 2. Managing Invalid and Duplicate Defect Reports
- 3. Cross-Functional Defect Management

Defect Report Information

Assessing Process Capability with Defect Report Information

5. Improving the Testing Process – 135 mins

Introduction

Test Improvement Process

- 1. Introduction to Process Improvement
- 2. Types of Process Improvement

Improving the Testing Process

Improving the Testing Process with TMMi

Improving the Testing Process with TPI Next

Improving the Testing Process with CTP

Improving the Testing Process with STEP

6. Test Tools and Automation – 135 min

- ⓘ Introduction
- ⓘ Tool Selection
 - 1. Open-Source Tools
 - 2. Custom Tools
 - 3. Return on Investment (ROI)
 - 4. Selection Process
- ⓘ Tool Lifecycle
- ⓘ Tool Metrics

7. People Skills – Team Composition – 210 mins.

- ⓘ Introduction
- ⓘ Individual Skills
- ⓘ Test Team Dynamics
- ⓘ Fitting Testing Within an Organization
- ⓘ Motivation
- ⓘ Communication

8. References and Mock up Exams