

Hands-on course , 4  
day(s)  
Ref : IST

### Participants

This formation is addressed to professionals of the software test: IT test manager, senior IT developer...

### Pre-requisites

To have taken the ISTQB® Foundation Level training and to be certified ISTQB Foundation level.

### Next sessions

# ISTQB Advanced Level, Test Analyst, Certification

## OBJECTIVES

*The ISTQB® Advanced Level Test Analyst training course expands on the test techniques and methods introduced in the ISTQB® Foundation certification course and addresses those areas of the last ISTQB® advanced syllabus specifically related to the Advanced Test Analyst certification (Syllabus 2013).*

### 1) Testing Process

### 2) Test Management: Responsibilities for the Test Analyst

### 3) Test Techniques

### 4) Testing Software Quality Characteristics

### 5) Reviews

### 6) Defect Management

### 7) Test Tools

### 8) Certification

## Certification

*This course is followed by official ISTQB certification exam.*

## 1) Testing Process

- General introduction of testing process.
- Testing in the software development lifecycle.
- Test Planning, Monitoring and Control.
- Test Analysis. Test Design.
- Test Implementation. Test Execution.
- Evaluating Exit Criteria and Reporting.
- Test Closure Activities.

### Exercise

*Review question, exam preparation.*

## 2) Test Management: Responsibilities for the Test Analyst

- General introduction.
- Test Progress Monitoring and Control.
- Distributed, Outsourced and Insourced Testing.
- The Test Analyst's Tasks in Risk-Based Testing.

### Exercise

*Review question, exam preparation.*

## 3) Test Techniques

- General introduction of test techniques.
- Specification-Based approach. Equivalence Partitioning approach.
- Boundary Value Analysis. Decision Tables.
- Cause-Effect Graphing. State Transition Testing.
- Combinatorial Testing Techniques.
- Use Case Testing. User Story Testing.
- Domain Analysis. Combining Techniques. Defect-Based Techniques.
- Using Defect-Based Techniques. Defect Taxonomies. Experience-Based Techniques.

### Exercise

*Review question, exam preparation.*

## 4) Testing Software Quality Characteristics

- General introduction of testing software quality characteristics.
- Quality Characteristics for Business Domain.
- Accuracy Testing.
- Suitability Testing.
- Interoperability Testing.
- Usability Testing.
- Accessibility Testing.

### Exercise

*Review question, exam preparation.*

## 5) Reviews

- General introduction of reviews.
- Using Checklists.

### Exercise

*Review question, exam preparation.*

## 6) Defect Management

- General introduction of defect management.
- When Can a Defect be Detected?
- Defect Report Fields.
- Defect Classification.
- Root Cause Analysis.

### **Exercise**

*Review question, exam preparation.*

## 7) Test Tools

- General introduction of test tools.
- Test Tools and Automation.
- Test Design Tools.
- Test Data Preparation Tools.
- Automated Test Execution Tools.

### **Exercise**

*Review question, exam preparation.*

## 8) Certification

- Revision on the main themes approached in formation.
- Practice test to involve itself.
- Installation of the examination: 2 hours, the last day on 3PM, by the GASQ selected by the ISTQB.