PURPLE GRIFFON
The IT Service Management Training & Consultancy Specialists

Course Title: ISTQB® Advanced Security Tester	**Course Duration**: 4.0 Days
Exam: Included	**Exam Type**: Prometric Exam
Qualification: ISTQB® Advanced Security Tester Certificate	

Course Syllabus

Topics Module 1 - The Basis of Security Testing

- Security Risks
- Information Security Policies and Procedures
- Security Auditing and Its Role in Security Testing

Module 2 - Security Testing Purposes, Goals and Strategies

- Introduction
- The Purpose of Security Testing
- The Organisational Context
- Security Testing Objectives
- The Scope and Coverage of Security Testing Objectives.
- Security Testing Approaches
- Improving the Security Testing Practices
- ISTQB Advanced Security Tester Certification Course

Module 3 - Security Testing Processes

- Security Test Process Definition
- Security Test Planning
- Security Test Design
- Security Test Execution
- Security Test Evaluation
- Security Test Maintenance

Module 4 - Security Testing Throughout the Software Lifecycle

- Role of Security Testing in a Software Lifecycle
- The Role of Security Testing in Requirements
- The Role of Security Testing in Design
- The Role of Security Testing in Implementation Activities
- The Role of Security Testing in System and Acceptance Test Activities
- The Role of Security Testing in Maintenance

Module 5 - Testing Security Mechanisms

- System Hardening

- Authentication and Authorization
- Encryption
- Firewalls and Network Zones
- Intrusion Detection
- Malware Scanning
- Data Obfuscation
- Training

Module 6 - Human Factors in Security Testing

- Understanding the Attackers
- Social Engineering
- Security Awareness

Module 7 - Security Test Evaluation and Reporting

- Security Test Evaluation
- Security Test Reporting

Module 8 - Security Testing Tools

- Types and Purposes of Security Testing Tools
- Tool Selection

Module 9 - Standards and Industry Trends

- Understanding Security Testing Standards
- Applying Security Standards
- Industry Trends

Course Overview

With the ever-increasing numbers of security breaches, both human and machine-based, significantly more understanding is required from testers to ensure that the proper quality assurance measures are in place for assuring the security of IT systems.

Our four-day ISTQB® Advanced Security Tester training course is aimed at the softer-side of security testing and addresses the following key elements and how we manage them from a testing perspective through the life cycle from inception to delivery.

Course Learning Outcomes

Our ISTQB® Advanced Security Tester training course will teach you about the following:

- Human lapses
- Malicious insiders
- Malicious outsiders
- Lack of adequate defences and testing of the defences that *are* in place
- Defective software in general
- A limited view of security and testing
- Placing too much trust in technology
- Security is an afterthought in most development projects
- Lack of awareness at the executive level. Everybody knows cybersecurity is a problem, but very few people know how to deal with the risks and challenges.

Audience

Our ISTQB Advanced Security course is for Technical Testers, Security Testers, Security Co-ordinators and Managers, plus testers and test managers who are serious about including security aspects into their test plans or who want to specialise.

Entry-Level Requirements

You must hold the ISTQB® Foundation certificate to attend our ISTQB® Advanced Security Tester training course. It is also recommended that you have at least three-years testing experience

Recommended Reading

There is no recommended reading associated with our ISTQB® Advanced Security Tester training course.

What's Included

Our ISTQB® Advanced Security Tester training course includes the following:

- Full Course Materials
- ISTQB® Advanced Security Tester Exam

Exam Information

ISTQB® Advanced Security Tester Examination:

To qualify as an internationally-recognised Certified Advanced Level Security Tester and be issued with an ISTQB® Advanced Level Certificate, you must successfully pass the exam administered by the relevant National Board / Examination Provider.

The 2-hour exam contains 45 questions, of which 60% must be answered correctly for a pass to and certificate to be awarded.

We will issue Pearson VUE exam voucher after the course and you can use this to sit your exam at a local test centre.

An exam consisting of 40 multiple choice questions is sat over an hour at the end of the course and (25% extra time is available for non-native speakers or those who primary business language is not English). You are awarded a pass if they answer 65% of the questions correctly.

What's Next

Whenever you are ready for the next step in certification, here are the most common follow on courses after the ISTQB® Advanced Security Tester training course.

- ISTQB® Foundation
- ISTQB® Advanced Test Analyst
- ISTQB® Advanced Technical Test Analyst
- ISTQB® Advanced Test Manager
- Combined ISTQB® Foundation & Agile Foundation Extension
- ISTQB® Foundation Agile Extension

- ISTQB® Advanced Test Automation Engineer
- ISTQB® Advanced Agile Technical Tester
- ISTQB® Acceptance Tester
- ISTQB® Advanced Security Tester
- ISTQB® Mobile App Tester
- ISTQB® Model Based Tester

Additional Information

Founded in 2002, ISTQB® (International Software Testing Qualifications Board) is a not-for-profit association comprising 47 national boards (including the UKTB) covering 71 countries worldwide.

ISTQB® has defined the Advanced certification as part of their ‘Certified Tester’ scheme that, with over 240,000 certifications, has become the de-facto worldwide standard for software testing qualifications.