PURPLE GRIFFON
The IT Service Management Training & Consultancy Specialists

Course Title: ISTQB® Advanced Test Analyst	**Course Duration**: 3.0 Days
Exam: Included	**Exam Type**: Proctored Exam
Qualification: ISTQB Advanced Certificate For Test Analysts	

Course Syllabus

After our ISTQB® Advanced Test Analyst training course, you should be able to demonstrate their skills in the following areas:

- Explain how and why the timing and level of involvement for the Test Analyst varies when working with different software development lifecycle models
- Summarise the appropriate tasks for the Test Analyst when conducting analysis and design activities
- Explain why test conditions should be understood by the stakeholders
- For a given project scenario, select the appropriate design level for test cases (high-level or low-level)
- Explain the issues to be considered in test case design
- Summarise the appropriate tasks for the Test Analyst when conducting test implementation activities
- Summarise the appropriate tasks for the Test Analyst when conducting test execution activities
- For a given situation, participate in risk identification, perform risk assessment and propose appropriate risk mitigation
- Analyse a given specification item(s) and design test cases by applying equivalence partitioning
- Analyse a given specification item(s) and design test cases by applying boundary value analysis
- Analyse a given specification item(s) and design test cases by applying decision table testing
- Analyse a given specification item(s) and design test cases by applying state transition testing
- Explain how classification tree diagrams support test techniques
- Analyse a given specification item(s) and design test cases by applying pairwise testing
- Analyse a system, or its requirement specification, in order to determine likely types of defects to be found and select the appropriate black-box test technique(s)
- Explain the principles of experience-based test techniques, and the benefits and drawbacks compared to black-box and defect-based test techniques
- Determine exploratory tests from a given scenario
- Describe the application of defect-based test techniques and differentiate their use from black-box test techniques
- For a given project situation, determine which black-box or experience-based test techniques should be applied to achieve specific goals
- Explain what test techniques are appropriate to test functional completeness, correctness and appropriateness
- Define the typical defects to be targeted for the functional completeness, correctness and appropriateness characteristics
- Define when the functional completeness, correctness and appropriateness characteristics should be tested in the software development lifecycle
- Explain the approaches that would be suitable to verify and validate both the implementation of the usability requirements and the fulfilment of the user’s expectations
- Explain the role of the test analyst in interoperability testing including identification of the defects to be targeted
- Explain the role of the test analyst in portability testing including identification of the defects to be targeted
- For a given set of requirements, determine the test conditions required to verify the functional and/or non-functional quality characteristics within the scope of the Test Analyst
- Identify problems in a requirements specification according to checklist information provided in the syllabus
- Identify problems in a user story according to checklist information provided in the syllabus

- For a given scenario, determine the appropriate activities for a Test Analyst in a keyword-driven automation project
- Explain the usage and types of test tools applied in test design, test data preparation and test execution

Course Overview

Our four-day ISTQB® Advanced Test Analyst training course extends the broad understanding of testing acquired at ISTQB® Foundation level to enable the role of Test Analyst to be performed.

Our ISTQB® Advanced Test Analyst training course includes lectures, exercises and practical work, as well as exam preparation.

Course Learning Outcomes

After our ISTQB® Advanced Test Analyst training course, you should be able to demonstrate the following business-based outcomes:

- Perform the appropriate testing activities based on the software development lifecycle being used
- Determine the proper prioritisation of the testing activities based on the information provided by the risk analysis
- Select and apply appropriate test techniques to ensure that tests provide an adequate level of confidence, based on defined coverage criteria
- Provide the appropriate level of documentation relevant to their testing activities
- Determine the appropriate types of functional testing to be performed
- Work effectively in a usability testing team
- Effectively participate in requirements / user story reviews with stakeholders, applying knowledge of typical mistakes made in work products
- Improve the efficiency of the test process with the use of tools

Audience

Our ISTQB® Advanced Test Analyst training course is principally aimed at Test Practitioners who have achieved an advanced point in their careers in Software Testing and are expecting to be actively involved in the analysis, specification, design and execution aspects of Software Testing, and who want to increase their knowledge and skills.

Our ISTQB® Advanced Test Analyst training course is aimed at:

- Testers
- Test Analysts
- Test Engineers
- Test Consultants
- Test Managers
- User Acceptance Testers
- Software Developers

It is also appropriate for anyone who wants a deeper understanding of Software Testing:

- Project Managers
- Quality Managers
- Software Development Managers
- Business Analysts
- Management Consultants

Entry-Level Requirements

The entry-level requirement for our ISTQB® Advanced Test Analyst training course is that you must hold the ISTQB® Foundation certificate.

Recommended Reading

There is no recommended reading associated with our ISTQB® Advanced Test Analyst training course.

What's Included

Our ISTQB® Advanced Test Analyst training course includes the following:

- Full Course Materials
- ISTQB® Advanced Test Analyst Exam

Exam Information

ISTQB® Advanced Certificate For Test Analysts Examination:

To qualify as an internationally-recognised Certified Advanced Level Test Analyst and be issued with an ISTQB®?Advanced Level Certificate, delegates must successfully pass the exam administered by the relevant National Board?or Examination Provider.

- 45 multiple choice pick ‘n’ mix questions which consist of the questions followed by a list of options
- Duration of 120 minutes (or 150 minutes for candidates taking examinations that are not in their native language)
- You must score at least 65% to pass

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 Test Analyst training course.

- ISTQB® Foundation
- 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.