



# ISTQB® CTAL Test Analyst

The **Advanced Level** qualification is aimed at people who have achieved an advanced point in their careers in software testing. This includes people in roles such as testers, test analysts, test engineers, test consultants, test managers, user acceptance testers and software developers.

This **Advanced Level** qualification is also appropriate for anyone who wants a deeper understanding of software testing, such as project managers, quality managers, software development managers, business analysts, IT directors and management consultants.

To receive **Advanced Level** certification, candidates must hold the **Foundation Certificate** and satisfy the Exam Board which examines them that they have sufficient practical experience to be considered **Advanced Level** qualified.

To get the **Advanced Level** certification, candidates must hold the **Foundation Certificate** and have sufficient practical experience.

## CONTENTS

The Test Analyst's tasks in the Test Process	The Test Analyst's tasks in Risk-Based Testing	Test Techniques	Testing Software Quality Characteristics	Reviews	Test tools & Automation
Introduction	Introduction	Introduction	Introduction	Introduction	Introduction
Testing in the Software Development Lifecycle	Risk Identification	Black-Box Test Techniques	Quality Characteristics for Business Domain Testing	Using Checklists in Reviews	Keyword-Driven Automation
Test Analysis	Risk Assessment	Experience-Based Test Techniques			Types of Test Tools
Test Design	Risk Mitigation	Applying the Most Appropriate Technique			
Test Implementation					
Test Execution					

## EXAM STRUCTURE

\* 52 points or more;

\*\* Only for participants taking the exam in a language other than their mothertongue;

\*\*\* Each correct answer equals 1 point.



## BUSINESS OUTCOMES

- Perform the appropriate testing activities based on the software development lifecycle being used;
- Determine the proper prioritization 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.

*For more information, please contact: [exames@pstqb.pt](mailto:exames@pstqb.pt)*



Av.<sup>a</sup> Infante D. Henrique, 311  
Edifício Espazo  
1950-421 Lisboa  
PORTUGAL



(+351) 211 935 548



[info@pstqb.pt](mailto:info@pstqb.pt)



[www.pstqb.pt](http://www.pstqb.pt)