

ISTQB® Certified Tester Test Automation Strategy

The Test Automation Strategy Specialist qualification is aimed at anyone involved in software testing and test automation. This includes people in roles such as testers, test analysts, test automation engineers, test consultants, test architects, test managers, and software developers.

This Specialist qualification is also appropriate for anyone who wants a basic understanding of test automation, such as project managers, quality managers, software development managers, business analysts, IT directors and management consultants.

To gain this certification, candidates must hold the Certified Tester Foundation Level v4.0 or previous versions of the Foundation Level certificate and have sufficient practical experience. Please contact an ISTQB® Member Board or Exam Provider to determine the specific practical experience criteria.

CONTENTS

Introduction & Objectives for Test Automation Strategy	Test Automation Resources	Preparation for Test Automation	Organizational Deployment & Release Strategies for Test Automation	Test Automation Impact Analysis	Implementation & Improvement Strategies for Test Automation
Success Factors of a Test Automation Strategy	Costs & Risks of Implementing a Test Automation Solution	Intergration Across Test Levels	Test Automation Solution Planning	Investment in Setting Up & Maintaining Test Automation	Transitioning Activities from Manual Testing to Continuous Testing
	Roles & Responsibilities within Test Automation	Strategic Considerations in Different Software Development Lifecycle Models	Test Automation Deployment Strategies	Test Automation Metrics	Test Automation Strategy Across the Organization
		Application & Viability of Test Automation	Dependencies within The Test Environment	The Value of Test Automation on the Project & Organization Level	
				Decisions Made from Test Reports	

EXAM STRUCTURE

* 32 points or more;

** Only for participants taking the exam in a language other than their mother tongue;

*** Each correct answer equals 1 point.



BUSINESS OUTCOMES

- Understand factors from software and systems that influence the success of test automation;
- Identify costs and risks of implementing a test automation solution;
- Understand the roles and responsibilities of people who are contributing to test automation;
- Plan for the integration of test automation across test levels;
- Identify strategic considerations for test automation implementation in different software development lifecycle models;
- Understand applicability and viability of test automation;
- Plan test automation solutions that meet the organizational needs;
- Understand test automation deployment strategies;
- Learn which test automation metrics help drive decision-making;
- Identify ways in which test automation brings value to the project and organization;
- Identify test automation reporting requirements to address stakeholder needs;
- Define transitioning activities from manual testing to test automation;
- Define a test automation strategy that ensures projects share assets and methods to ensure consistent implementation across the organization
- Understand costs for setting up and maintaining test automation.

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