CMAP | CERTIFIED MOBILE APP TESTING
2 DAYS

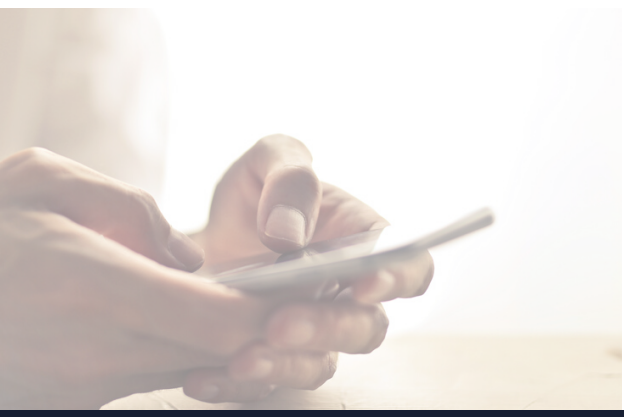
The world of mobile applications is rapidly expanding. Apps and mobiles have become an important element of today's IT and society in a very short time frame. It is important that IT professionals are up to date with the latest development of the mobile technology and how it impacts testing, performance and security. These impacts transpire and influence how IT specialists develop and test software in their everyday work. This course will present general standards in the creation and usage of mobile technology. It will give you an excellent introduction to the world of Mobile App Testing. With various exercises, you will gain a broader understanding of the impact of mobile and the broadness of the market. A Mobile App Testing certified professional can support the requirements team in review of mobile application, improve user experience with a strong understanding of usability and have the ability to identify and apply appropriate methods of testing, including proper usage of tools, unique to mobile technology. The Foundation Level course provides you with the most relevant techniques and terminology.

After the course, successful participants will be able to:

- Assist in adaptation of existing testing processes for testing of mobile applications.
- Support the requirements team in review of mobile application.
- Adapt existing testing experience and knowledge and existing way of testing web and other applications to mobile testing including user expectations.
- Identify and apply appropriate methods for testing of characteristics unique to mobile technology.
- Apply appropriate techniques for testing in a mobile application project.
- Identify and use appropriate tools to assist in mobile application testing including emulators/simulators.
- Assist the mobile application team in identifying potential test automation activities and corresponding tools.
- Improve user experience with a strong understanding of usability.
- Have the ability to identify and apply appropriate methods of testing including proper usage of tools, unique to mobile technology.
- Assist in identification of requirements of a test lab for carrying out mobile application testing.

COURSE OUTLINE

Overview of Mobile World: Players; Market Size & Figures; Business Model; Devices; Types of Apps**;** Apps Architecture; Dev Platforms.
Mobile Test Types: Challenges; Emulators & Simulators; Test Types (Features; Connectivity; Platforms; Field Testing; etc.)
Process & Techniques: Process & Strategy; Experience-Based Techniques.
Tools & Automation: Approaches; Solutions; Process; Tools; Environments & Test Labs.



TARGET AUDIENCE

The CMAP© Mobile App Testing – Foundation Level is an entry level certification aimed at anyone involved in Mobile App Testing.

PREREQUISITES

- It is recommended that the participant holds an ISTQB® Certified Tester – Foundation Level Certificate (CTFL) or has equivalent knowledge.
- Basic knowledge of concepts in software testing is required.

WHAT DO WE FORESEE

- Printed course hand-outs.
- A copy of the Certified Mobile App Professional syllabus & glossary.
- A voucher to book your certification exam.
- Practical assignments, along with their solutions.
- Sample exam questions and answers.
- Lunch & beverages Parking spaces in the premises
- Our trainers expertise.

CERTIFICATION EXAM

- Exam questions: 40
- Minimum score: 65 %
- Examination Time: 60 min
- Time Extension: 15 min (for a non-native speakers)

LOCATION

VILVOORDE, BELGIUM

ISTQB®
CERTIFIED TESTER - FOUNDATION LEVEL
3 DAYS

The course provides insight in the fundamentals of testing: what is testing and why should one test, the fundamental test process, what it is and how the different steps in the process map on different software development models. It will also explain the different test levels (or test phases) and test types. After this overview of the fundamental test process, techniques will be presented on how to perform static and dynamic testing. These techniques are useful for both the developer and the tester.

After the course, successful participants will be able to:

- Use a common language for efficient and effective communication with other testers and project stakeholders.
- Understand established testing concepts, the fundamental test process, test approaches, and principles to support test objectives.
- Design and prioritize tests by using established techniques; analyze both functional and non-functional specifications (such as performance and usability) at all test levels for systems with a low to medium level of complexity.
- Execute tests according to agreed test plans, and analyze and report on the results of tests.
- Write clear and understandable incident reports.
- Effectively participate in reviews of small to medium-sized projects.
- Be familiar with different types of testing tools and their uses; assist in the selection and implementation process.

On top of that, if you pass the exam, you will hold the ISTQB® CTFL certificate which:

- Is considered as a plus on your CV.
- Is a pre-requisite to establish
- further skills and knowledge to reach any of the Advanced Level Certificates.

COURSE OUTLINE

The course is structured according to the ISTQB® Foundation syllabus. This way you are able to relate the topics covered in the course to both the syllabus and the book.

Fundamentals of Testing: What; Why; Principles; Fundamentals; Psychology; Ethics.
Testing throughout the Software Lifecycle: Models; Test Levels; Test types; Maintenance.
Static Techniques: Review Processes; Static Analysis Tools.
Testing design techniques for: Black-box; White-box; Experience-based testing.
Test management: Organization; Estimation; Planning; Control & Monitoring.
Tool support: Types; Benefits; Risks; Introducing Tools into an Organization.

TARGET AUDIENCE

- Everyone new to the testing business.
- Experienced testers who require a theoretical background.
- Developers interested in testing.
- Project leaders/managers requiring more insight in testing.
- Everyone who wants to prepare for the ISTQB® Foundation examination in software testing.

PREREQUISITES

Basic knowledge of software development. Programming knowledge is an advantage, but not a requirement.

WHAT DO WE FORESEE

- Printed course hand-outs.
- An official ISTQB® Foundation book.
- A copy of the Foundation Level syllabus & glossary.
- Practical assignments, along with their solutions.
- Beverages, lunch and Snacks.
- Our trainers expertise.

CERTIFICATION EXAM

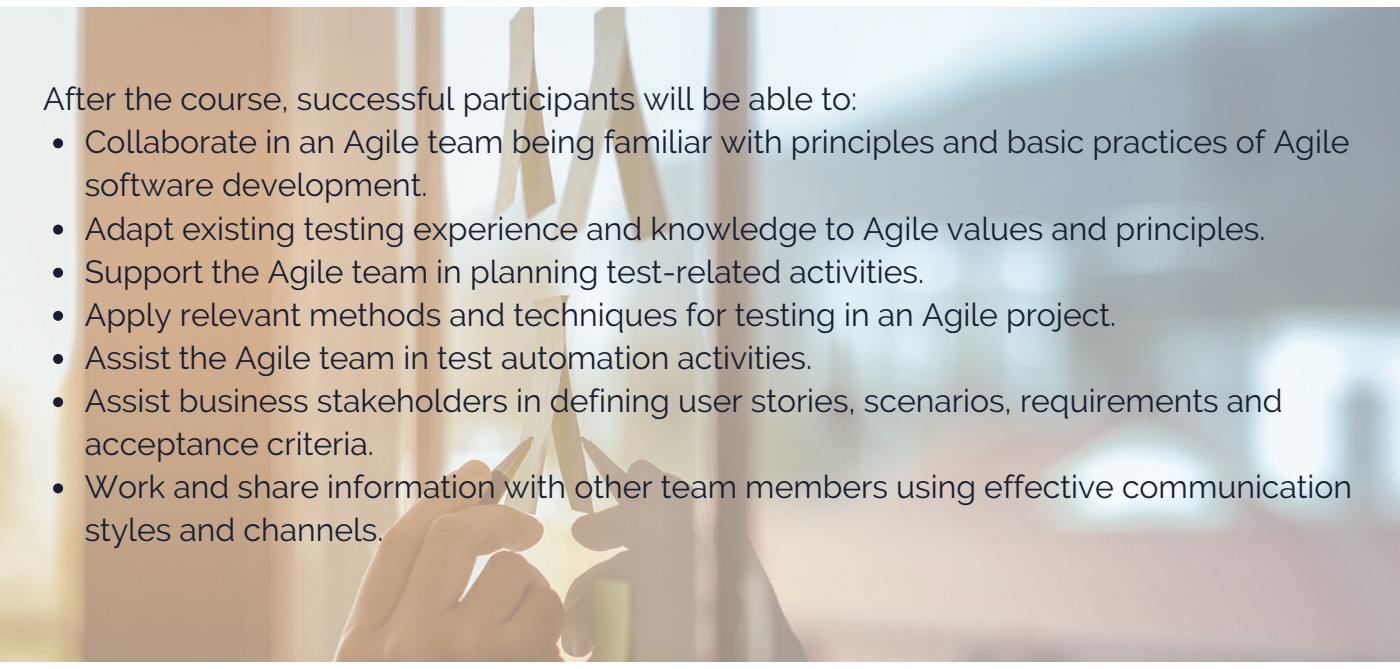
- 40 multiple choice questions
- Scoring of 1 point for each correct answer.
- Pass mark of 65%.
- Duration of 60 minutes (or 75 minutes for non-native speakers)

LOCATION

VILVOORDE, BELGIUM

ISTQB® CERTIFIED TESTER - FOUNDATION LEVEL AGILE TESTER
2 DAYS

Agile testing is a relatively new approach to software testing that follows the principles of agile software development as outlined in the Agile Manifesto.
A tester on an Agile project will work differently than one working on a traditional project. Testers must understand the values and principles that underpin Agile projects, and how testers are an integral part of a whole-team approach together with developers and business representatives.
There is a lot of confusion concerning agile testing – which means there's an educational opportunity as well. The Agile Extension will give the tester the knowledge to be part of agile testing teams and achieve high performance.



After the course, successful participants will be able to:

- Collaborate in an Agile team being familiar with principles and basic practices of Agile software development.
- Adapt existing testing experience and knowledge to Agile values and principles.
- Support the Agile team in planning test-related activities.
- Apply relevant methods and techniques for testing in an Agile project.
- Assist the Agile team in test automation activities.
- Assist business stakeholders in defining user stories, scenarios, requirements and acceptance criteria.
- Work and share information with other team members using effective communication styles and channels.

COURSE OUTLINE

The course is structured according to the ISTQB® Agile Tester syllabus. This way you can relate the topics covered in the course to the syllabus.

Agile Development: Fundamentals of Agile; Aspects of Agile Approaches.
Principles, Practices & Processes: Traditional vs. Agile; Status of Testing in Agile Projects; Role and Skills.
Methods, Techniques & Tools: Methods; Quality Risk; Estimation; Techniques; Tools.

TARGET AUDIENCE

- Specialists from all sectors, interested in working in Agile environments.
- Testers who have experience with traditional testing methods.
- Testers new to Agile projects.
- Experienced developers with little knowledge of testing in Agile projects.
- Everyone who wants to prepare for the ISTQB® Foundation, Agile Tester examination.

PREREQUISITES

- Candidates must hold the ISTQB® Certified Tester - Foundation Certificate (CTFL).
- Programming knowledge is an advantage, but not a requirement.

WHAT DO WE FORESEE

- Printed course hand-outs.
- A copy of the Foundation Level Agile Tester Extension syllabus & glossary.
- Practical assignments, along with their solutions.
- Sample exam questions and answers.
- Our trainers expertise.

CERTIFICATION EXAM

- 40 multiple choice questions
- Scoring of 1 point for each correct answer.
- Pass mark of 65%.
- Duration of 60 minutes (or 75 minutes for non-native speakers)

LOCATION

VILVOORDE, BELGIUM

WWW.TTL.BE
TRAINING@TTL.BE

#WEAREQUALITY

ISTQB® CERTIFIED TESTER - ADVANCED LEVEL TEST AUTOMATION ENGINEER

3 DAYS

This course provides participants with the knowledge and skills necessary to guide a test automation project. The course focuses on the concepts, methods, tools, and processes for automating dynamic functional tests and the relationship of those tests to test management, configuration management, defect management, software development processes and quality assurance. Methods described are generally applicable across variety of software lifecycle approaches (e.g. agile, sequential, incremental, iterative), types of software systems (e.g. embedded, distributed, mobile) and test types (functional and non-functional testing).

After the course, successful participants will be able to:

- Contribute to the development of a plan to integrate automated testing within the testing process.
- Evaluate tools and technology for automation best fit to each project and organization.
- Create an approach and methodology for building a test automation architecture (TAA).
- Design and develop (new or modified) test automation solutions that meet the business needs.
- Enable the transition of testing from a manual to an automated approach.
- Create automated test reporting and metrics collection.
- Manage and optimize testing assets to facilitate maintainability and address evolving (test) systems.

COURSE OUTLINE

Introduction and Objectives for Test Automation: Purpose of Test Automation, Success Factors in Test Automation.
Preparing for Test Automation: SUT Factors Influencing Test Automation, Tool Evaluation and Selection, Design for Testability and Automation.
The Generic Test Automation Architecture (gTAA): Introduction to gTAA, TAA Design, Test Automation Solution (TAS) Development.
Deployment Risks and Contingencies: Selection of Test Automation Approach and Planning of Deployment/Rollout, Risk Assessment and Mitigation Strategies, Test Automation Maintenance.
Test Automation Reporting and Metrics: Selection of TAS Metrics, Implementation of Measurement, Logging of the TAS and the system under test (SUT), Test Automation Reporting.
Transitioning Manual Testing to an Automated Environment: Criteria for Automation, Implementing Automation within Regression Testing, Implementing Automation within New Feature Testing, Implementing Automation of Confirmation Testing,
Verifying the TAS: Verifying Automated Test Environment Components, Verifying the Automated Test Suite.
Continuous Improvement: Options for Improving Test Automation, Planning the Implementation of Test Automation Improvement.
Application of the theory: During this training you will apply the things you learn on a real life application!

TARGET AUDIENCE

- Test Analysts
- Developers
- Integrators
- Test Coordinators
- Test Managers
- Test Consultants

PREREQUISITES

- You possess the ISTQB® Foundation Certificate in Software Testing.
- Preferably you have some scripting/programming knowledge (or you are at least keen on learning this).

WHAT DO WE FORESEE

- Printed course hand-outs.
- A copy of the Advanced Level Test Automation Engineer syllabus & glossary.
- A voucher to book your certification exam.
- Practical assignments, along with their solutions.
- Sample exam questions and answers.
- Lunch & beverages Parking spaces on the premises.
- Our trainers expertise

CERTIFICATION EXAM

- Exam questions: 40
- Minimum score: 65 %
- Examination Time: 90 min
- Time Extension: 23 min (for non-native speakers)

LOCATION

VILVOORDE, BELGIUM

ISTQB® CERTIFIED TESTER - ADVANCED LEVEL TEST MANAGER
5 DAYS

The Advanced Level qualification is aimed at people who have achieved an advanced point in their careers in software testing and seek for deeper understanding of quality assurance. It supports the definition of career paths for professional testers. This course provides an in-depth review of the ISTQB® Foundation level, and extends the broad understanding of testing acquired at the Foundation Level to enable the role of Test Manager. It will present subjects from a different angle as opposed to the ISTQB® Foundation level (test tools and automation and defect management) and also introduce brand new topics on test management (improving the test process and people skills).

After the course, successful participants will be able to:

- Manage a testing project by implementing the mission, goals and testing processes established for the testing organization.
- Organize and lead risk identification and risk analysis sessions and use the results of such sessions for test estimation, planning, monitoring and control.
- Create and implement test plans consistent with organizational policies and test strategies.
- Continuously monitor and control the test activities to achieve project objectives. Assess and report relevant and timely test status to project stakeholders.
- Identify skills and resource gaps in their test team and participate in sourcing adequate resources.
- Identify and plan necessary skills development within their test team. Propose a business case for test activities which outlines the costs and benefits expected.
- Ensure proper communication within the test team and with other project stakeholders.
- Participate in and lead test process improvement initiatives.

On top of that, if you pass the exam, you will hold the CTAL-TM certificate which:

- Is considered as a plus on your CV, when performing or applying as test manager.
- Is a pre-requisite to establish further skills and knowledge to reach the Expert level in Test Management or improving the test process

COURSE OUTLINE

The course is structured according to the ISTQB® Test Manager syllabus. This way you can relate the topics covered in the course to both the syllabus and the book.
Testing Processes: Planning & Control; Analysis & Design; Implementation & Execution; Exit Criteria & Reporting; Closure.
Test management: Risk-Based Testing; Documentation; Estimation & Metrics; Business Value; Distributed/Outsourced /Insourced Testing; Applying Industry Standards.
Reviews: Management Reviews & Audit; Managing Reviews & Formal Review; Metrics.
Defect Management: Lifecycle; Defect Reports; Assessing Process Capability.
Improving Test Process: Improvement Process; TMMi®; TPI®; CTP; STEP.
Test tool & automation: Tool Selection; Tool Lifecycle; Tool Metrics.
People Skills: Individual Skills; Team Dynamics; Motivation; Communication, Testing within the Organization

TARGET AUDIENCE

- Everyone occupying or aspiring a leading role within testing;
- Experienced testers in a leading role who require a theoretical background;
- Test consultants with a focus on test methods and improvements;
- Other stakeholders who wish to have a deeper integration with test management;
- Everyone preparing for the CTAL-TM examination.

PREREQUISITES

- Hold the ISTQB® Certified Tester - Foundation Level certificate (CTFL)
- Have sufficient practical experience (at least 18 months in software testing).

WHAT DO WE FORESEE

- Printed course hand-outs.
- An ISTQB® Advanced Test Manager book. A copy of the Advanced Level Test Manager syllabus & glossary.
- A voucher to book your certification exam.
- Practical assignments, along with their solutions.
- Sample exam questions and answers.
- Lunch & beverages.
- Our trainers expertise

CERTIFICATION EXAM

- Exam questions: 65
- Minimum score: 65 %
- Examination Time: 180 min
- Time Extension: 45 min (for non-native speakers)

LOCATION

VILVOORDE, BELGIUM

WWW.TTL.BE
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#WEAREQUALITY