

ISTQB[®] Foundation Level Certified Model-Based Tester

Overview

Version 2015

International Software Testing Qualifications Board



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Revision History

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At the time the CTFL-MBT Syllabus was completed, the Model-Based Testing Working Group had the following membership: Stephan Christmann (MBT WG Chair), Anne Kramer, Bruno Legeard (MBT Author Group Co-Chair), Armin Metzger (MBT Author Group Co-Chair), Natasa Micuda (MBT Exam Question Group Chair), Thomas Mueller (ISTQB® CTFL WG Chair), Stephan Schulz (MBT Review Group Chair).

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1 Introduction

This overview document is intended for anyone interested in the ISTQB[®] Foundation Level Certified Model-Based Tester (CTFL-MBT) Syllabus. It provides a high-level introduction to leading principles and an overview of the content of the syllabus.

In this document, the Business Outcomes of the CTFL-MBT syllabus are defined. Each Business Outcome is provided through a specific statement of what can be expected from a person who achieves ISTQB[®] CTFL-MBT Certification. It outlines the benefits for companies that are considering the development of specific Model-Based Testing skills at this level.

1.1 Career Paths for Testers

Based on the Certified Tester Foundation Level, the content of the Model-Based Tester syllabus provides additional skills for professional testers. A person holding the CTFL-MBT Certificate has extended the broad understanding of testing acquired at the Foundation Level to specific capabilities with Model-Based Testing process, methodology and techniques.

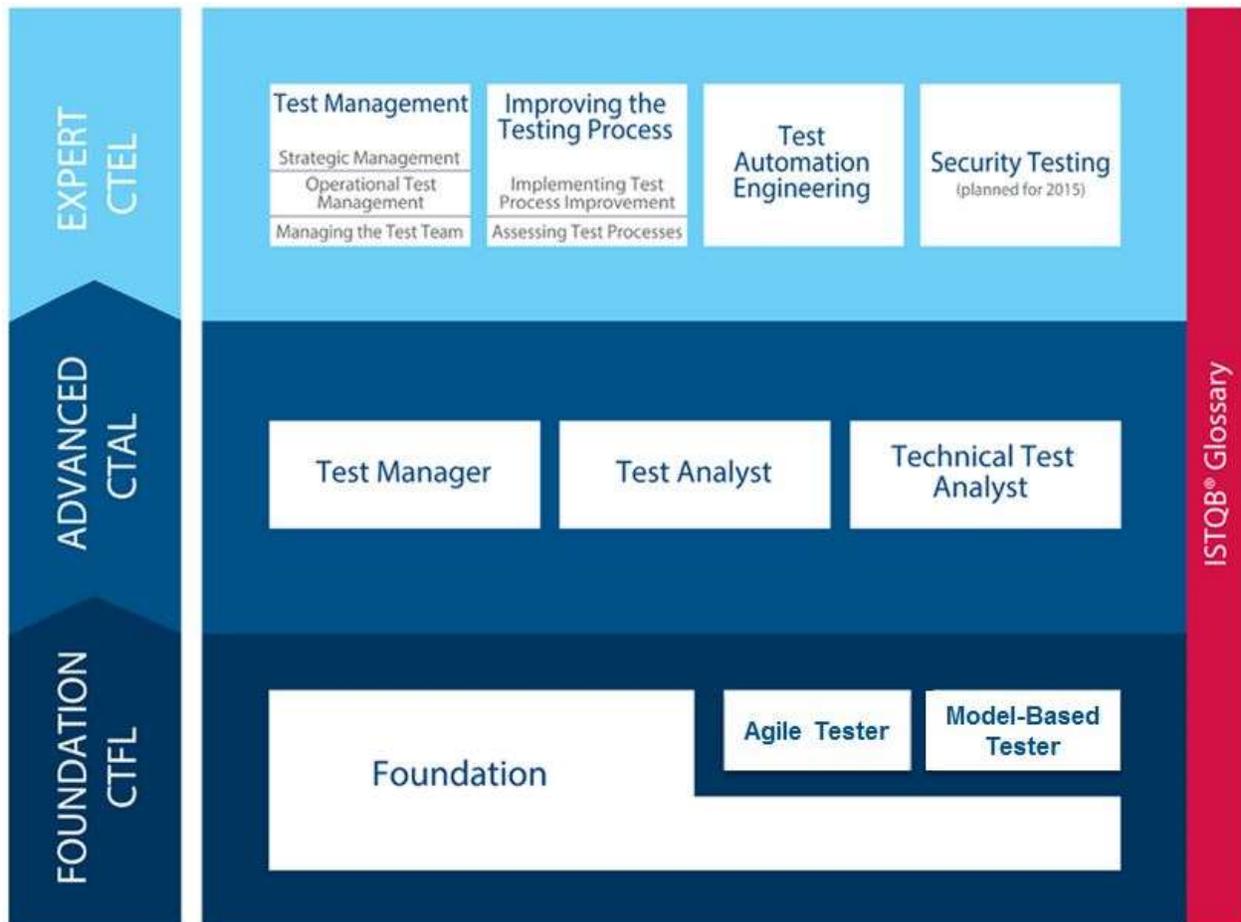
1.2 Entry Requirements

The ISTQB[®] Foundation Level Certified Model-Based Tester syllabus is a specialist module at the Foundation Level. The ISTQB[®] Certified Tester Foundation Level (CTFL) certification is a required pre-requisite for the ISTQB[®] Foundation Level Certified Model-Based Tester (CTFL-MBT) exam.

1.3 Structure and Course Duration

A certified model-based tester course has a minimum length of two days.

The following figure shows the positioning of the CTFL-MBT certificate and its relationship to the Foundation Level.



1.4 Intended Audience

The CTFL-MBT qualification addresses people having reached the first level of achievement in their software testing career, including

- Testers
- Test Analysts
- Technical Test Analysts
- Test Managers
- System and Software Developers and Architects

This CTFL-MBT qualification is also beneficial for anyone who wants a deeper understanding of software testing and of the use of models for test generation, such as

- Project Managers
- Quality Managers
- Product Managers
- Business Analysts
- Business Process Experts

1.5 Learning Objectives

In general the CTFL-MBT syllabus is examinable at a K1 level, i.e., the candidate will recognize, remember and recall terms and concepts stated in the Foundation and the specific CTFL-MBT syllabus.

The relevant Learning Objectives at K1, K2 and K3 levels are provided at the beginning of each chapter within the CTFL-MBT Syllabus.

1.6 Name and Acronym of the Certification

The name of this certification is "ISTQB® Foundation Level - Certified Model-Based Tester".

The acronym is: "CTFL-MBT".

1.7 Handling of Standards

Standards (IEEE, ISO, ETSI, etc.) are referenced in this syllabus. The purpose of these references is to provide a source of additional information if desired by the reader. Please note that only the items from these standards that are referenced specifically in the syllabus are eligible for examination. The standards documents themselves are not intended for examination and are included only for reference.

2 Overview of ISTQB® CTFL-MBT Syllabus

2.1 Business Outcomes

This section lists the Business Outcomes expected of a candidate who has achieved the ISTQB® CTFL-MBT certification.

The candidate, after having mastered the CTFL-MBT material and passed the examination, can ...

MBT1 – Collaborate in a model-based testing team using standard terminology and established MBT concepts, processes and techniques.

MBT2 – Apply and integrate model-based testing in a test process.

MBT3 – Effectively create and maintain MBT models using established techniques and best practices of model-based testing.

MBT4 – Select, create and maintain test artifacts from MBT models considering risk and value of the features tested.

MBT5 – Support the organization to improve its quality assurance process to be more constructive and efficient.

In general, an ISTQB® Certified Model-Based Tester has acquired the necessary skills to successfully contribute to MBT projects in a given context.

2.2 Content

See CTFL-MBT syllabus document.

3 Documents Related to the CTFL-MBT Certification

The documents related to the ISTQB® CTFL-MBT Certification are the followings:

- General overview (this document) – provides the business outcomes of the certification
- Syllabus – details the overall syllabus for ISTQB® CTFL-MBT
- Exam structure and rules – provides the exam structure and rules that apply to the ISTQB® CTFL-MBT exam
- Sample Exam – provides samples of certified model-based tester exam questions
- Accreditation rules – provides the accreditation rules to be followed by training providers when seeking accreditation of their courses