WHAT IS THE ISTQB®?

International Software Testing Qualifications Board

- Non-profit association
- Founded in 2002
- Headquartered in Belgium
- Has own constitution
- Composed of volunteer international Testing Experts
- Responsible for the "ISTQB® Certified Tester" scheme
- ISTQB® is the world’s leading organization for Software Testing Certification

Advancing the software testing profession
ISTQB® certification scheme

- **EXPERT CTEL**
  - Test Management
    - Strategic Management
    - Operational Test Management
    - Managing the Test Team
  - Improving the Testing Process
    - Implementing Test Process Improvement
    - Assessing Test Processes
  - Test Automation Engineering
  - Security Testing (planned for 2015)

- **ADVANCED CTAL**
  - Test Manager
  - Test Analyst
  - Technical Test Analyst

- **FOUNDATION CTFL**
  - Foundation
    - Agile Tester
    - Model Based Testing

User Conference on Advanced Automated Testing
ISTQB® Model-Based Tester

• complements the core foundation level as a specialist module
• provides a practical and easy entry to the MBT approach
• presents an innovative test approach to improve effectivity and efficiency of the test process
Business Outcome 1

• Collaborate in a model-based testing team using standard terminology and established MBT concepts, processes and techniques.
  • establish a common terminology
    • ISTQB® certifications deliver a de facto standard for general testing terminology
    • glossary integrates terminology for model-based testing

The ISTQB glossary of software testing terms defines Model-Based Testing as « Testing based on or involving models »
Business Outcome 2

• Apply and integrate model-based testing in a test process.
  • clarify the mandatory prerequisites for a successful start with MBT
  • demonstrate how MBT could fit well to specific development processes
  • motivate usual adaptions of a development process for MBT

*FM-2.2.1 (K1) Recall examples of modeling language categories commonly used for MBT*
Business Outcome 3

- Effectively create and maintain MBT models using established techniques and best practices of model-based testing.
  - demonstrate a practical approach to create MBT models
  - provide means to assess model quality
  - present modelling as an iterative process with early feedback loops

Appendix A:
Simple modeling language
Business Outcome 4

• Select, create and maintain test artifacts from MBT models considering risk and value of the features tested.
  • deliver practical criteria on
    • which artifacts on which level will be useful and
    • how they can be used to improve the test process
  • present good practices
    • how to select the most valuable information and
    • how to take advantage of MBT's leading edge capability of creating the test process artefacts automatically

  e.g. section 3.1.2 Test Case Selection in Practice
Business Outcome 5

• Support the organization to improve its quality assurance process to be more constructive and efficient.
  • move from expensive verification to a constructive development approach avoiding errors, through
  • advanced systematics of model-based test design
  • well known understanding of the test coverage and test quality
  • defining and scaling the needed quality level of the test

Sample Exam Question 37 K1:
(…)Which one of the following metrics would a test manager use to best measure the progress of MBT activities?
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